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ENVIRONMENTAL MONITORING REPORT

AMALAGAMATED GAURI PAUNI

BALLARPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	Amalgamation of Gouri & Pauni OC

REPORT PARTICULARS

URN No.	TC710226000002358F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE-PAUNI OC (BGPA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB721	07-09-2026	CLOUDY/CALM	254	169	34	13	10
	MB799	21-09-2026	CLOUDY/LIGHT BREEZE	276	191	39	15	13

Reported by	Reviewed by	Approved by
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	Amalgamation of Gouri & Pauni OC

REPORT PARTICULARS

URN No.	TC710226000002359F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	CHINCHOLI VILLAGE (BGPA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB682	03-09-2026	CLOUDY/CALM	***	76	22	9	BDL
	MB760	04-09-2026	CLOUDY/CALM	***	69	19	8	BDL
	MB692	10-09-2026	RAINY/CALM	***	50	14	7	BDL
	MB770	11-09-2026	CLOUDY/CALM	***	66	17	8	BDL
	MBN702	17-09-2026	CLOUDY/LIGHT BREEZE	***	81	28	10	BDL
	MB780	18-09-2026	CLOUDY/LIGHT BREEZE	***	75	24	9	BDL
	MB712	24-09-2026	CLEAR/MODERATE BREEZE	***	87	30	10	BDL
	MB790	25-09-2026	CLOUDY/MODERATE BREEZE	***	70	26	9	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	Amalgamation of Gouri & Pauni OC

REPORT PARTICULARS

URN No.	TC710226000002360F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	GOURI COLONY FILTER PLANT (BSOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB679	03-09-2026	CLOUDY/CALM	***	72	24	8	BDL
	MB757	04-09-2026	CLOUDY/CALM	***	66	16	7	BDL
	MB689	10-09-2026	RAINY/CALM	***	54	13	7	BDL
	MB767	11-09-2026	CLOUDY/CALM	***	77	26	9	BDL
	MB699	17-09-2026	CLOUDY/LIGHT BREEZE	***	84	31	10	BDL
	MB777	18-09-2026	CLOUDY/LIGHT BREEZE	***	81	25	10	BDL
	MB709	24-09-2026	CLEAR/MODERATE BREEZE	***	89	29	11	BDL
	MB787	25-09-2026	CLOUDY/MODERATE BREEZE	***	70	23	8	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	Amalgamation of Gouri & Pauni OC

REPORT PARTICULARS

URN No.	TC710226000002361F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	GOURI VILLAGE (BGOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB674	01-09-2026	CLOUDY/CALM	***	70	21	8	BDL
	MB752	02-09-2026	CLOUDY/CALM	***	64	15	7	BDL
	MB684	08-09-2026	CLOUDY/CALM	***	78	24	8	BDL
	MB762	09-09-2026	CLOUDY/CALM	***	81	29	9	BDL
	MB694	15-09-2026	CLEAR/LIGHT BREEZE	***	87	31	10	BDL
	MB772	16-09-2026	CLEAR/LIGHT BREEZE	***	82	27	9	BDL
	MB704	22-09-2026	RAINY/LIGHT BREEZE	***	60	14	7	BDL
	MB782	23-09-2026	CLEAR/MODERATE BREEZE	***	75	26	9	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	Amalgamation of Gouri & Pauni OC

REPORT PARTICULARS

URN No.	TC710226000002362F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	WORKSHOP PAUNI OC (CGPA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB720	07-09-2026	CLOUDY/CALM	249	167	31	12	10
	MB798	21-09-2026	CLOUDY/LIGHT BREEZE	267	188	38	15	12

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	Amalgamation of Gouri & Pauni OC

REPORT PARTICULARS

URN No.	TC710226000002364F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	BGOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	BGOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l

Sl. No.	Sample Code	Date of Sampling	Date of Testing	pH	TSS	COD	Oil & Grease	BOD
1	MB729	07-09-2026	16-09-2026 TO 15-10-2026	7.36	20	40	BDL	***
	MB807	16-09-2026	16-09-2026 TO 15-10-2026	7.56	26	44	BDL	***
2	MB735	07-09-2026	16-09-2026 TO 15-10-2026	7.72	22	36	BDL	***
	MB813	17-09-2026	16-09-2026 TO 15-10-2026	7.84	24	32	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	BALLARPUR
Name of Project	Amalgamation of Gouri & Pauni OC

REPORT PARTICULARS

URN No.	TC710226000002365F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE PAUNI OC	BAGPON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	GOURI COLONY	BAGPON2	**Range**	20-130	20-130
3	MANAGER OFFICE PAUNI II OC	BAGPON3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MB745	11-09-2026	CLOUDY/LIGHT BREEZE	58.3	56.1
	MB823	19-09-2026	CLOUDY/LIGHT BREEZE	56.1	55.8
2	MB740	11-09-2026	CLOUDY/LIGHT BREEZE	42.1	41.6
	MB818	19-09-2026	CLOUDY/LIGHT BREEZE	44.6	43.7
3	MB748	11-09-2026	CLOUDY/LIGHT BREEZE	57.2	55.4
	MB826	19-09-2026	CLOUDY/LIGHT BREEZE	52.5	50.9

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DRINKING WATER QUALITY REPORT

BALLARPUR AREA

JOB NUMBER: 4094423060

JULY 2026 TO SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	AMALGAMATED OF GOURI PAUNI OC

REPORT PARTICULARS

URN No.	TC71022600002923F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT			**Date of Sampling**	06-07-2026	
Sl No	**Parameters**	**Unit**	**Range**		**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.83**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.62**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**576**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**114**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**1.18**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**866**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**124.8**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**64.15**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.044**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.048**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**98.30**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**17.6**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.021**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**124**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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Note 3: BDL denotes Below Detection Limit

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	SASTI OC

REPORT PARTICULARS

URN No.	TC710226000002924F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	06-Jul

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.6**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.30**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.84**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**508**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**116**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.95**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**792**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**134.4**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**41.79**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.049**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.061**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**106**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**13.4**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.038**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**104**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	NEW DHOPTALA OC

REPORT PARTICULARS

URN No.	TC71022600002925F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	MANAGER OFFICE	**Date of Sampling**	06-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.7**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.28**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.82**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**676**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**72**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.92**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**910**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**193.6**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**46.65**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.037**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.042**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**94.20**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**28.6**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.027**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**96**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR UG

REPORT PARTICULARS

URN No.	TC71022600002926F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	06-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.26**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.88**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**496**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**88**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.62**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**690**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**112.00**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**52.48**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.039**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**50.5**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**17.7**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.024**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**140**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENTAL MONITORING REPORT

BALLARPUR OC

BALLARPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR OC

REPORT PARTICULARS

URN No.	TC710226000002366F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE-BALLARPUR UG (BBUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB713	05-09-2026	CLOUDY/CALM	187	110	29	11	BDL
	MB791	19-09-2026	CLOUDY/LIGHT BREEZE	210	123	33	12	10

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR OC

REPORT PARTICULARS

URN No.	TC710226000002367F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SUBSTATION (BBOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB714	05-09-2026	CLOUDY/CALM	221	134	34	13	10
	MB792	19-09-2026	CLOUDY/LIGHT BREEZE	245	167	37	15	13

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR OC

REPORT PARTICULARS

URN No.	TC710226000002368F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	PREMISES OF SUB AREA OFFICE (BBOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB715	05-09-2026	CLOUDY/CALM	199	121	28	12	10
	MB793	19-09-2026	CLOUDY/LIGHT BREEZE	230	151	31	10	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR OC

REPORT PARTICULARS

URN No.	TC710226000002369F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	FILTER PLANT COLONY (BBUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB673	01-09-2026	CLOUDY/CALM	***	71	18	8	BDL
	MB751	02-09-2026	CLOUDY/CALM	***	64	14	7	BDL
	MB683	08-09-2026	CLOUDY/CALM	***	79	20	8	BDL
	MB761	09-09-2026	CLOUDY/CALM	***	70	17	8	BDL
	MB693	15-09-2026	CLEAR/LIGHT BREEZE	***	88	25	10	BDL
	MB771	16-09-2026	CLEAR/LIGHT BREEZE	***	73	22	8	BDL
	MB703	22-09-2026	RAINY/LIGHT BREEZE	***	60	14	7	BDL
	MB781	23-09-2026	CLEAR/MODERATE BREEZE	***	88	28	8	BDL

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR OC

REPORT PARTICULARS

URN No.	TC710226000002373F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	BBOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	BBOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l

Sl. No.	Sample Code	Date of Sampling	Date of Testing	pH	TSS	COD	Oil & Grease	BOD
1	MB727	05-09-2026	16-09-2026 TO 15-10-2026	7.10	26	44	BDL	***
	MB805	16-09-2026	16-09-2026 TO 15-10-2026	7.52	22	40	BDL	***
2	MB734	05-09-2026	16-09-2026 TO 15-10-2026	7.43	21	36	BDL	***
	MB812	17-09-2026	16-09-2026 TO 15-10-2026	7.97	28	32	BDL	***

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR OC

REPORT PARTICULARS

URN No.	TC710226000002374F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	BBON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY BALLARPUR UG	BBUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MB743	11-09-2026	CLOUDY/LIGHT BREEZE	64.4	62.3
	MB821	19-09-2026	CLOUDY/LIGHT BREEZE	66.8	65.3
2	MB739	11-09-2026	CLOUDY/LIGHT BREEZE	43.1	42.9
	MB817	19-09-2026	CLOUDY/LIGHT BREEZE	45.4	44.7

Reported by	Reviewed by	Approved by
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENTAL MONITORING REPORT

BALLARPUR UG

BALLARPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR UG

REPORT PARTICULARS

URN No.	TC710226000002375F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE-BALLARPUR UG (BBUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB713	05-09-2026	CLOUDY/CALM	187	110	29	11	BDL
	MB791	19-09-2026	CLOUDY/LIGHT BREEZE	210	123	33	12	10

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR UG

REPORT PARTICULARS

URN No.	TC710226000002376F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SUBSTATION (BBOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB714	05-09-2026	CLOUDY/CALM	221	134	34	13	10
	MB792	19-09-2026	CLOUDY/LIGHT BREEZE	245	167	37	15	13

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR UG

REPORT PARTICULARS

URN No.	TC710226000002377F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	PREMISES OF SUB AREA OFFICE (BBOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB715	05-09-2026	CLOUDY/CALM	199	121	28	12	10
	MB793	19-09-2026	CLOUDY/LIGHT BREEZE	230	151	31	10	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR UG

REPORT PARTICULARS

URN No.	TC710226000002378F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	FILTER PLANT COLONY (BBUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB673	01-09-2026	CLOUDY/CALM	***	71	18	8	BDL
	MB751	02-09-2026	CLOUDY/CALM	***	64	14	7	BDL
	MB683	08-09-2026	CLOUDY/CALM	***	79	20	8	BDL
	MB761	09-09-2026	CLOUDY/CALM	***	70	17	8	BDL
	MB693	15-09-2026	CLEAR/LIGHT BREEZE	***	88	25	10	BDL
	MB771	16-09-2026	CLEAR/LIGHT BREEZE	***	73	22	8	BDL
	MB703	22-09-2026	RAINY/LIGHT BREEZE	***	60	14	7	BDL
	MB781	23-09-2026	CLEAR/MODERATE BREEZE	***	88	28	8	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR UG

REPORT PARTICULARS

URN No.	TC710226000002380F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	BBUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MB728	05-09-2026	16-09-2026 TO 15-10-2026	7.30	32	48	BDL	***
	MB806	16-09-2026	16-09-2026 TO 15-10-2026	7.57	24	40	BDL	***

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TEST REPORT

Noise Level Monitoring Report

Name of Area	BALLARPUR
Name of Project	BALLARPUR UG

REPORT PARTICULARS

URN No.	TC710226000002381F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	BBUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY BALLARPUR UG	BBUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MB744	11-09-2026	CLOUDY/LIGHT BREEZE	68.2	66.6
	MB822	19-09-2026	CLOUDY/LIGHT BREEZE	65.9	64.6
2	MB739	11-09-2026	CLOUDY/LIGHT BREEZE	43.1	42.9
	MB817	19-09-2026	CLOUDY/LIGHT BREEZE	45.4	44.7

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ENVIRONMENTAL MONITORING REPORT

GAURI DEEP OC

BALLARPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	GOURI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002382F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	RAILWAY SIDING (BGDOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB722	07-09-2026	CLOUDY/CALM	292	189	40	14	12
	MB800	21-09-2026	CLOUDY/LIGHT BREEZE	316	221	47	18	15

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	GOURI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002383F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	MUTHRA VILLAGE (BGDOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB675	01-09-2026	CLOUDY/CALM	***	78	20	8	BDL
	MB753	02-09-2026	CLOUDY/CALM	***	70	18	7	BDL
	MB685	08-09-2026	CLOUDY/CALM	***	81	25	10	BDL
	MB763	09-09-2026	CLOUDY/CALM	***	60	14	7	BDL
	MB695	15-09-2026	CLEAR/LIGHT BREEZE	***	83	31	10	BDL
	MB773	16-09-2026	CLEAR/LIGHT BREEZE	***	88	35	10	BDL
	MB705	22-09-2026	RAINY/LIGHT BREEZE	***	52	15	7	BDL
	MB783	23-09-2026	CLEAR/MODERATE BREEZE	***	80	29	9	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	GOURI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002384F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	GOYEGAON VILLAGE (BGDOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB676	01-09-2026	CLOUDY/CALM	***	77	20	9	BDL
	MB754	02-09-2026	CLOUDY/CALM	***	71	16	9	BDL
	MB686	08-09-2026	CLOUDY/CALM	***	80	27	10	BDL
	MB764	09-09-2026	CLOUDY/CALM	***	73	21	9	BDL
	MB696	15-09-2026	CLEAR/LIGHT BREEZE	***	84	26	10	BDL
	MB774	16-09-2026	CLEAR/LIGHT BREEZE	***	88	29	11	BDL
	MB706	22-09-2026	RAINY/LIGHT BREEZE	***	57	15	7	BDL
	MB784	23-09-2026	CLEAR/MODERATE BREEZE	***	80	23	9	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	GOURI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002385F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	ANTARGAON VILLAGE (BGDOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB677	01-09-2026	CLOUDY/CALM	***	74	21	9	BDL
	MB755	02-09-2026	CLOUDY/CALM	***	79	24	10	BDL
	MB687	08-09-2026	CLOUDY/CALM	***	68	16	7	BDL
	MB765	09-09-2026	CLOUDY/CALM	***	75	23	8	BDL
	MB697	15-09-2026	CLEAR/LIGHT BREEZE	***	81	27	10	BDL
	MB775	16-09-2026	CLEAR/LIGHT BREEZE	***	87	31	11	BDL
	MB707	22-09-2026	RAINY/LIGHT BREEZE	***	52	17	6	BDL
	MB785	23-09-2026	CLEAR/MODERATE BREEZE	***	81	26	10	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	GOURI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002389F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	BGDW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE (WORKSHOP)	BGDW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MB730	07-09-2026	16-09-2026 TO 15-10-2026	7.40	28	36	BDL	***
	MB808	16-09-2026	16-09-2026 TO 15-10-2026	7.70	22	40	BDL	***
2	MB736	07-09-2026	16-09-2026 TO 15-10-2026	7.48	24	36	BDL	***
	MB814	17-09-2026	16-09-2026 TO 15-10-2026	7.72	20	32	BDL	***

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TEST REPORT

Noise Level Monitoring Report

Name of Area	BALLARPUR
Name of Project	GOURI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002390F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE	BGDN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	MUTHRA VILLAGE	BGDN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MB746	11-09-2026	CLOUDY/LIGHT BREEZE	56.1	54.9
	MB824	19-09-2026	CLOUDY/LIGHT BREEZE	53.9	51.4
2	MB742	11-09-2026	CLOUDY/LIGHT BREEZE	43.9	41.6
	MB820	19-09-2026	CLOUDY/LIGHT BREEZE	44.5	42.7

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ENVIRONMENTAL MONITORING REPORT

NEW DHOPTALA OC

BALLARPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	NEW DHOPTALA OC

REPORT PARTICULARS

URN No.	TC710226000002391F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MAGZINE (BNDOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB719	06-09-2026	CLOUDY/CALM	271	192	34	12	10
	MB797	20-09-2026	RAINY/MODERATE BREEZE	199	107	29	10	BDL

Reported by	Reviewed by	Approved by
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	NEW DHOPTALA OC

REPORT PARTICULARS

URN No.	TC710226000002392F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	MANAGER OFFICE - DHOPTALA OC (BNDOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB716	06-09-2026	CLOUDY/CALM	281	195	36	13	10
	MB794	20-09-2026	RAINY/MODERATE BREEZE	215	162	25	10	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	NEW DHOPTALA OC

REPORT PARTICULARS

URN No.	TC710226000002393F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	SASTI COLONY (BSUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB678	03-09-2026	CLOUDY/CALM	***	72	22	9	BDL
	MB756	04-09-2026	CLOUDY/CALM	***	78	27	10	BDL
	MB688	10-09-2026	RAINY/CALM	***	61	17	8	BDL
	MB766	11-09-2026	CLOUDY/CALM	***	77	23	8	BDL
	MB698	17-09-2026	CLOUDY/LIGHT BREEZE	***	80	29	10	BDL
	MB776	18-09-2026	CLOUDY/LIGHT BREEZE	***	75	24	10	BDL
	MB708	24-09-2026	CLEAR/MODERATE BREEZE	***	83	30	11	BDL
	MB786	25-09-2026	CLOUDY/MODERATE BREEZE	***	76	27	10	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	NEW DHOPTALA OC

REPORT PARTICULARS

URN No.	TC710226000002394F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	DHOPTALA VILLAGE (BNDOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB681	03-09-2026	CLOUDY/CALM	***	71	24	8	BDL
	MB759	04-09-2026	CLOUDY/CALM	***	64	20	8	BDL
	MB691	10-09-2026	RAINY/CALM	***	53	15	7	BDL
	MB769	11-09-2026	CLOUDY/CALM	***	81	28	10	BDL
	MB701	17-09-2026	CLOUDY/LIGHT BREEZE	***	78	24	10	BDL
	MB779	18-09-2026	CLOUDY/LIGHT BREEZE	***	72	20	9	BDL
	MB711	24-09-2026	CLEAR/MODERATE BREEZE	***	82	29	10	BDL
	MB789	25-09-2026	CLOUDY/MODERATE BREEZE	***	70	22	8	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	NEW DHOPTALA OC

REPORT PARTICULARS

URN No.	TC710226000002396F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	BNDOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	BNDOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l

Sl. No.	Sample Code	Date of Sampling	Date of Testing	pH	TSS	COD	Oil & Grease	BOD
1	MB731	06-09-2026	16-09-2026 TO 15-10-2026	7.41	18	40	BDL	***
	MB809	16-09-2026	16-09-2026 TO 15-10-2026	7.37	28	48	BDL	***
2	MB737	06-09-2026	16-09-2026 TO 15-10-2026	7.67	20	32	BDL	***
	MB815	17-09-2026	16-09-2026 TO 15-10-2026	7.78	24	36	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	BALLARPUR
Name of Project	NEW DHOPTALA OC

REPORT PARTICULARS

URN No.	TC710226000002397F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	BNDON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	SASTI COLONY	BSUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MB747	11-09-2026	CLOUDY/LIGHT BREEZE	65.3	63.8
	MB828	19-09-2026	CLOUDY/LIGHT BREEZE	71.2	68.9
2	MB741	11-09-2026	CLOUDY/LIGHT BREEZE	42.7	40.5
	MB819	19-09-2026	CLOUDY/LIGHT BREEZE	45.3	43.5

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ENVIRONMENTAL MONITORING REPORT

SASTI OC

BALLARPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	SASTI OC

REPORT PARTICULARS

URN No.	TC710226000002398F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SAM OFFICE-SASTI OC (BSOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB717	06-09-2026	CLOUDY/CALM	212	129	42	14	12
	MB795	20-09-2026	RAINY/MODERATE BREEZE	174	116	37	10	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	SASTI OC

REPORT PARTICULARS

URN No.	TC710226000002399F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	AREA STORE (BSOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB718	06-09-2026	CLOUDY/CALM	234	152	37	14	11
	MB 796	20-09-2026	RAINY/MODERATE BREEZE	193	118	31	10	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	SASTI OC

REPORT PARTICULARS

URN No.	TC710226000002400F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	GOURI COLONY FILTER PLANT (BSOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB679	03-09-2026	CLOUDY/CALM	***	72	24	8	BDL
	MB757	04-09-2026	CLOUDY/CALM	***	66	16	7	BDL
	MB689	10-09-2026	RAINY/CALM	***	54	13	7	BDL
	MB767	11-09-2026	CLOUDY/CALM	***	77	26	9	BDL
	MB699	17-09-2026	CLOUDY/LIGHT BREEZE	***	84	31	10	BDL
	MB777	18-09-2026	CLOUDY/LIGHT BREEZE	***	81	25	10	BDL
	MB709	24-09-2026	CLEAR/MODERATE BREEZE	***	89	29	11	BDL
	MB787	25-09-2026	CLOUDY/MODERATE BREEZE	***	70	23	8	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	SASTI OC

REPORT PARTICULARS

URN No.	TC710226000002401F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	SASTI VILLAGE (BSUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB680	03-09-2026	CLOUDY/CALM	***	76	24	9	BDL
	MB758	04-09-2026	CLOUDY/CALM	***	80	32	10	BDL
	MB690	10-09-2026	RAINY/CALM	***	61	14	7	BDL
	MB768	11-09-2026	CLOUDY/CALM	***	74	25	8	BDL
	MB700	17-09-2026	CLOUDY/LIGHT BREEZE	***	82	31	11	BDL
	MB778	18-09-2026	CLOUDY/LIGHT BREEZE	***	73	26	9	BDL
	MB710	24-09-2026	CLEAR/MODERATE BREEZE	***	88	33	11	BDL
	MB788	25-09-2026	CLOUDY/MODERATE BREEZE	***	71	21	9	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	SASTI OC

REPORT PARTICULARS

URN No.	TC710226000002403F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	BSOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	BSOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	STP	BSOW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l

Sl. No.	Sample Code	Date of Sampling	Date of Testing	pH	TSS	COD	Oil & Grease	BOD
1	MB732	06-09-2026	16-09-2026 TO 15-10-2026	7.63	22	40	BDL	***
	MB810	16-09-2026	16-09-2026 TO 15-10-2026	7.73	26	44	BDL	***
2	MB733	06-09-2026	16-09-2026 TO 15-10-2026	7.73	20	36	BDL	***
	MB811	17-09-2026	16-09-2026 TO 15-10-2026	7.89	26	32	BDL	***
3	MB738	06-09-2026	16-09-2026 TO 15-10-2026	***	24	***	***	11.4
	MB816	17-09-2026	16-09-2026 TO 15-10-2026	***	52	***	***	12.6

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	BALLARPUR
Name of Project	SASTI OC

REPORT PARTICULARS

URN No.	TC710226000002404F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	BSON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	GOURI COLONY	BSON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MB749	11-09-2026	CLOUDY/LIGHT BREEZE	64.4	62.3
	MB827	19-09-2026	CLOUDY/LIGHT BREEZE	70.9	69.7
2	MB740	11-09-2026	CLOUDY/LIGHT BREEZE	42.1	41.6
	MB818	19-09-2026	CLOUDY/LIGHT BREEZE	44.6	43.7

Reported by	Reviewed by	Approved by
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENTAL MONITORING REPORT

SASTI UG

BALLARPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	SASTI UG

REPORT PARTICULARS

URN No.	TC710226000002405F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MAGZINE (BNDOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB719	06-09-2026	CLOUDY/CALM	271	192	34	12	10
	MB797	20-09-2026	RAINY/MODERATE BREEZE	199	107	29	10	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	SASTI UG

REPORT PARTICULARS

URN No.	TC710226000002406F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	MANAGER OFFICE-DHOPTALA OC (BNDOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB716	06-09-2026	CLOUDY/CALM	281	195	36	13	10
	MB794	20-09-2026	RAINY/MODERATE BREEZE	215	162	25	10	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	SASTI UG

REPORT PARTICULARS

URN No.	TC710226000002407F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	SASTI COLONY (BSUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB678	03-09-2026	CLOUDY/CALM	***	72	22	9	BDL
	MB756	04-09-2026	CLOUDY/CALM	***	78	27	10	BDL
	MB688	10-09-2026	RAINY/CALM	***	61	17	8	BDL
	MB766	11-09-2026	CLOUDY/CALM	***	77	23	8	BDL
	MB698	17-09-2026	CLOUDY/LIGHT BREEZE	***	80	29	10	BDL
	MB776	18-09-2026	CLOUDY/LIGHT BREEZE	***	75	24	10	BDL
	MB708	24-09-2026	CLEAR/MODERATE BREEZE	***	83	30	11	BDL
	MB786	25-09-2026	CLOUDY/MODERATE BREEZE	***	76	27	10	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	BALLARPUR
Name of Project	SASTI UG

REPORT PARTICULARS

URN No.	TC710226000002408F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	SASTI VILLAGE (BSUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MB680	03-09-2026	CLOUDY/CALM	***	76	24	9	BDL
	MB758	04-09-2026	CLOUDY/CALM	***	80	32	10	BDL
	MB690	10-09-2026	RAINY/CALM	***	61	14	7	BDL
	MB768	11-09-2026	CLOUDY/CALM	***	74	25	8	BDL
	MB700	17-09-2026	CLOUDY/LIGHT BREEZE	***	82	31	11	BDL
	MB778	18-09-2026	CLOUDY/LIGHT BREEZE	***	73	26	9	BDL
	MB710	24-09-2026	CLEAR/MODERATE BREEZE	***	88	33	11	BDL
	MB788	25-09-2026	CLOUDY/MODERATE BREEZE	***	71	21	9	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	BALLARPUR
Name of Project	SASTI UG

REPORT PARTICULARS

URN No.	TC710226000002411F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	SASTI COLONY	BSUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
			Range	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MB741	11-09-2026	CLOUDY/LIGHT BREEZE	42.7	40.5
	MB819	19-09-2026	CLOUDY/LIGHT BREEZE	45.3	43.5

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ENVIRONMENTAL MONITORING REPORT

BHATADI OC

CHANDRAPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	BHATADI OC

REPORT PARTICULARS

URN No.	TC710226000002412F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	BHATADI SECURITY POST (CBOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC783	06-09-2026	Rain,Partially Cloudy/Light Breeze	391	166	44	24	14
	MC866	20-09-2026	Cloudy/Light Breeze	401	177	46	29	19

Reported by	Reviewed by	Approved by
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	BHATADI OC

REPORT PARTICULARS

URN No.	TC710226000002413F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	BHATADI MANAGER OFFICE (CBOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC784	06-09-2026	Rain,Partially Cloudy/Light Breeze	369	161	35	22	15
	MC867	20-09-2026	Cloudy/Light Breeze	384	172	40	23	13

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	BHATADI OC

REPORT PARTICULARS

URN No.	TC710226000002414F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	BHATADI VILLAGE (CBOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC782	05-09-2026	Rain,Partially Cloudy/Light Breeze	***	73	21	19	10
	MUC869	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	70	18	16	11
	MUC801	10-09-2026	Partially Cloudy/Light Breeze	***	76	23	24	13
	MUC888	11-09-2026	Partially Cloudy/Light Breeze	***	87	28	23	14
	MUC820	16-09-2026	Partially Cloudy/Light Breeze	***	78	27	22	16
	MUC907	17-09-2026	Rain,Partially Cloudy/Light Breeze	***	71	20	17	10
	MUC839	24-09-2026	Partially Cloudy/Light Breeze	***	83	24	20	13
	MUC926	25-09-2026	Rain,Partially Cloudy/Light Breeze	***	74	23	19	11

Reported by	Reviewed by	Approved by
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	BHATADI OC

REPORT PARTICULARS

URN No.	TC710226000002415F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	VADHOLI VILLAGE (CBOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC783	05-09-2026	Rain,Partially Cloudy/Light Breeze	***	70	18	15	10
	MUC870	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	72	20	13	BDL
	MUC802	10-09-2026	Partially Cloudy/Light Breeze	***	79	24	22	15
	MUC889	11-09-2026	Partially Cloudy/Light Breeze	***	86	25	23	14
	MUC821	16-09-2026	Partially Cloudy/Light Breeze	***	85	22	20	11
	MUC908	17-09-2026	Rain,Partially Cloudy/Light Breeze	***	75	18	15	BDL
	MUC840	24-09-2026	Partially Cloudy/Light Breeze	***	84	20	20	12
	MUC927	25-09-2026	Rain,Partially Cloudy/Light Breeze	***	76	22	16	11

Reported by	Reviewed by	Approved by
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	BHATADI OC

REPORT PARTICULARS

URN No.	TC710226000002416F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	BHATADI COLONY (CBOA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC784	05-09-2026	Rain,Partially Cloudy/Light Breeze	***	75	21	15	BDL
	MUC871	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	73	24	16	11
	MUC803	10-09-2026	Partially Cloudy/Light Breeze	***	77	27	17	12
	MUC890	11-09-2026	Partially Cloudy/Light Breeze	***	85	29	22	14
	MUC822	16-09-2026	Partially Cloudy/Light Breeze	***	87	28	22	15
	MUC909	17-09-2026	Rain,Partially Cloudy/Light Breeze	***	78	26	15	10
	MUC841	24-09-2026	Partially Cloudy/Light Breeze	***	82	31	24	17
	MUC928	25-09-2026	Rain,Partially Cloudy/Light Breeze	***	74	20	14	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	BHATADI OC

REPORT PARTICULARS

URN No.	TC710226000002419F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	CBOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	CBOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	STP	CBOW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MC796	07-09-2026	16-09-2026 TO 15-10-2026	7.31	21	12	BDL	***
	MC879	20-09-2026	16-09-2026 TO 15-10-2026	7.61	24	16	BDL	***
2	MC793	07-09-2026	16-09-2026 TO 15-10-2026	7.69	17	20	BDL	***
	MC876	20-09-2026	16-09-2026 TO 15-10-2026	7.97	18	12	BDL	***
3	MC792	07-09-2026	16-09-2026 TO 15-10-2026	***	22	***	***	5.4
	MC875	20-09-2026	16-09-2026 TO 15-10-2026	***	19	***	***	4.8

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	BHATADI OC

REPORT PARTICULARS

URN No.	TC710226000002420F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	CBON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY	CBON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MC808	09-09-2026	CLOUDY / LIGHT BREEZE	68.1	67.1
	MC891	24-09-2026	CLOUDY / LIGHT BREEZE	67.5	66.1
2	MC819	09-09-2026	CLOUDY / LIGHT BREEZE	43.9	42.2
	MC902	24-09-2026	CLOUDY / LIGHT BREEZE	44.7	43.4

Reported by	Reviewed by	Approved by
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DRINKING WATER QUALITY REPORT

CHANDRAPUR AREA

JOB NUMBER: 4094423060

JULY 2026 TO SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DURGAPUR OC

REPORT PARTICULARS

URN No.	TC71022600002916F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT			**Date of Sampling**	07-07-2026	
Sl No	**Parameters**	**Unit**	**Range**		**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.93**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**114**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**36**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.34**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**320**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**72.0**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**42.00**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**17.74**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**5.24**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**68**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP-I & III UG

REPORT PARTICULARS

URN No.	TC71022600002917F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	03-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.9**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**112**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**56**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.22**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**370**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**70.0**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**26.33**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**15.26**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**16.00**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**118**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP OC

REPORT PARTICULARS

URN No.	TC710226000002918F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	MANAGER OFFICE	**Date of Sampling**	07-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**1**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.95**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**148**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**60**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.18**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**460**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**91.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**23.00**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**15.26**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**16.64**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**84**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	NANDGAON UG

REPORT PARTICULARS

URN No.	TC71022600002919F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	MANAGER OFFICE	**Date of Sampling**	08-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.71**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**188**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**54**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**1.12**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**450**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**83.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**54.00**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**54.32**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**4.94**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**98**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MAHAKALI UG

REPORT PARTICULARS

URN No.	TC71022600002920F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	03-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**1**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.99**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**154**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**94**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.34**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**450**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**52.8**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**8.80**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**27.12**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**1.12**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**156**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DRC UG

REPORT PARTICULARS

URN No.	TC71022600002921F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	05-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.93**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**142**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**38**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.48**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**330**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**56.0**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**20.00**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**27.20**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**1.20**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**88**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	BHATADI OC

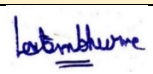
REPORT PARTICULARS

URN No.	TC71022600002922F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	07-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**1**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.03**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**184**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**78**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.96**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**810**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**28.0**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**39.88**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.039**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.046**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**114.20**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**4.12**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**196**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2





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ENVIRONMENTAL MONITORING REPORT

CRC UG

CHANDRAPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	CRC UG

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002421F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE MAHAKALI UG (CMKUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC787	07-09-2026	Partially Cloudy/Light Breeze	311	123	35	21	13
	MC870	21-09-2026	Partially Cloudy/Light Breeze	320	128	40	23	14

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	CRC UG

REPORT PARTICULARS

URN No.	TC710226000002422F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	CRC SUBSTATION/ FILTER PLANT (CCRUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC774	05-09-2026	Rain,Partially Cloudy/Light Breeze	317	124	31	17	11
	MC857	19-09-2026	Partially Cloudy/Light Breeze	332	139	39	19	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	CRC UG

REPORT PARTICULARS

URN No.	TC710226000002423F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	CRC OFFICER CLUB (CCRUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC771	05-09-2026	Rain,Partially Cloudy/Light Breeze	306	122	36	18	12
	MC854	19-09-2026	Partially Cloudy/Light Breeze	320	124	27	18	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	CRC UG

REPORT PARTICULARS

URN No.	TC710226000002424F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	COLONY MAHAKALI UG (CMKUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC739	01-09-2026	Rain,Partially Cloudy/Light Breeze	***	65	23	17	11
	MC822	02-09-2026	Rain,Partially Cloudy/Light Breeze	***	67	21	18	10
	MC747	08-09-2026	Cloudy/Light Breeze	***	78	26	20	BDL
	MC830	09-09-2026	Rain,Partially Cloudy/Light Breeze	***	68	23	17	BDL
	MC755	15-09-2026	Partially Cloudy/Light Breeze	***	73	23	18	10
	MC838	16-09-2026	Partially Cloudy/Light Breeze	***	71	24	19	11
	MC763	22-09-2026	Rain,Partially Cloudy/Light Breeze	***	62	19	15	BDL
	MC846	23-09-2026	Partially Cloudy/Light Breeze	***	75	26	20	12

Reported by	Reviewed by	Approved by
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सीएमपीडीआई मिनी रत्न cmpdi Mini Ratna

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	CRC UG

REPORT PARTICULARS

URN No.	TC710226000002425F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	BHATADI COLONY (CBOA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC784	05-09-2026	Rain,Partially Cloudy/Light Breeze	***	75	21	15	BDL
	MUC871	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	73	24	16	11
	MUC803	10-09-2026	Partially Cloudy/Light Breeze	***	77	27	17	12
	MUC890	11-09-2026	Partially Cloudy/Light Breeze	***	85	29	22	14
	MUC822	16-09-2026	Partially Cloudy/Light Breeze	***	87	28	22	15
	MUC909	17-09-2026	Rain,Partially Cloudy/Light Breeze	***	78	26	15	10
	MUC841	24-09-2026	Partially Cloudy/Light Breeze	***	82	31	24	17
	MUC928	25-09-2026	Rain,Partially Cloudy/Light Breeze	***	74	20	14	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	CRC UG

REPORT PARTICULARS

URN No.	TC710226000002427F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	CCRUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY MAHAKALI	CCRUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MC809	09-09-2026	CLOUDY / LIGHT BREEZE	67.2	65.4
	MC892	24-09-2026	CLOUDY / LIGHT BREEZE	69.8	67.3
2	MC807	09-09-2026	CLOUDY / LIGHT BREEZE	43.6	41.9
	MC890	24-09-2026	CLOUDY / LIGHT BREEZE	44.4	43.6

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

DRC UG

CHANDRAPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DRC UG

REPORT PARTICULARS

URN No.	TC710226000002428F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	PIT OFFICE-DRC- III UG (CDRUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC775	05-09-2026	Rain,Partially Cloudy/Light Breeze	318	118	27	16	10
	MC858	19-09-2026	Partially Cloudy/Light Breeze	341	127	34	21	15

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DRC UG

REPORT PARTICULARS

URN No.	TC710226000002429F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	PIT OFFICE-DRC- IV UG (CDRUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC776	05-09-2026	Rain,Partially Cloudy/Light Breeze	309	113	30	15	11
	MC859	19-09-2026	Partially Cloudy/Light Breeze	334	124	35	20	16

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DRC UG

REPORT PARTICULARS

URN No.	TC710226000002430F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	DRC- V COLONY (CDRUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC740	01-09-2026	Rain,Partially Cloudy/Light Breeze	***	67	24	19	10
	MC823	02-09-2026	Rain,Partially Cloudy/Light Breeze	***	64	24	15	BDL
	MC748	08-09-2026	Cloudy/Light Breeze	***	74	25	17	14
	MC831	09-09-2026	Rain,Partially Cloudy/Light Breeze	***	70	27	16	10
	MC756	15-09-2026	Partially Cloudy/Light Breeze	***	74	24	18	15
	MC839	16-09-2026	Partially Cloudy/Light Breeze	***	70	28	19	12
	MC764	22-09-2026	Rain,Partially Cloudy/Light Breeze	***	66	24	14	11
	MC847	23-09-2026	Partially Cloudy/Light Breeze	***	77	26	19	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DRC UG

REPORT PARTICULARS

URN No.	TC710226000002431F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	NEHRU NAGAR (CDRUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC741	01-09-2026	Rain,Partially Cloudy/Light Breeze	***	68	25	20	12
	MC824	02-09-2026	Rain,Partially Cloudy/Light Breeze	***	66	24	18	10
	MC749	08-09-2026	Cloudy/Light Breeze	***	76	22	21	14
	MC832	09-09-2026	Rain,Partially Cloudy/Light Breeze	***	64	24	14	BDL
	MC757	15-09-2026	Partially Cloudy/Light Breeze	***	77	26	20	12
	MC840	16-09-2026	Partially Cloudy/Light Breeze	***	79	28	22	14
	MC765	22-09-2026	Rain,Partially Cloudy/Light Breeze	***	65	22	16	BDL
	MC848	23-09-2026	Partially Cloudy/Light Breeze	***	68	24	18	11

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DRC UG

REPORT PARTICULARS

URN No.	TC710226000002433F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	CDRUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MC797	10-09-2026	16-09-2026 TO 15-10-2026	7.41	19	12	BDL	***
	MC880	21-09-2026	16-09-2026 TO 15-10-2026	7.66	21	16	BDL	***

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TEST REPORT

Noise Level Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DRC UG

REPORT PARTICULARS			
URN No.	TC710226000002434F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	CDRUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	DURGAPUR COLONY	CDRUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MC810	09-09-2026	CLOUDY / LIGHT BREEZE	68.8	66.6
	MC893	24-09-2026	CLOUDY / LIGHT BREEZE	68.1	67.4
2	MC805	09-09-2026	CLOUDY / LIGHT BREEZE	43.5	42.1
	MC888	24-09-2026	CLOUDY / LIGHT BREEZE	43.9	42.2

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ENVIRONMENTAL MONITORING REPORT

DURGAPUR OC

CHANDRAPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DURGAPUR OC

REPORT PARTICULARS

URN No.	TC710226000002435F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE-SECTOR V (CDOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC777	05-09-2026	Rain,Partially Cloudy/Light Breeze	374	151	42	22	15
	MC860	19-09-2026	Partially Cloudy/Light Breeze	391	159	46	24	17

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DURGAPUR OC

REPORT PARTICULARS

URN No.	TC710226000002436F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	DURGAPUR VILLAGE (CDOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC785	05-09-2026	Rain,Partially Cloudy/Light Breeze	***	72	20	19	11
	MUC872	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	76	21	20	13
	MUC804	10-09-2026	Partially Cloudy/Light Breeze	***	86	27	25	16
	MUC891	11-09-2026	Partially Cloudy/Light Breeze	***	81	26	23	14
	MUC823	16-09-2026	Partially Cloudy/Light Breeze	***	83	28	26	17
	MUC910	17-09-2026	Rain,Partially Cloudy/Light Breeze	***	75	24	19	12
	MUC842	24-09-2026	Partially Cloudy/Light Breeze	***	88	30	22	14
	MUC929	25-09-2026	Rain,Partially Cloudy/Light Breeze	***	76	25	23	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DURGAPUR OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002437F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	WORKSHOP E & M (DURGAPUR) (CDOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC779	06-09-2026	Rain,Partially Cloudy/Light Breeze	373	153	41	23	16
	MC862	20-09-2026	Cloudy/Light Breeze	392	163	43	29	19

Reported by	Reviewed by	Approved by
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DURGAPUR OC

REPORT PARTICULARS

URN No.	TC710226000002438F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	FILTER PLANT DOC/POC COLONY (CDOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC786	05-09-2026	Rain,Partially Cloudy/Light Breeze	***	76	22	20	15
	MUC873	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	78	23	16	13
	MUC805	10-09-2026	Partially Cloudy/Light Breeze	***	84	25	17	14
	MUC892	11-09-2026	Partially Cloudy/Light Breeze	***	82	27	29	18
	MUC824	16-09-2026	Partially Cloudy/Light Breeze	***	87	33	23	17
	MUC911	17-09-2026	Rain,Partially Cloudy/Light Breeze	***	73	24	19	14
	MUC843	24-09-2026	Partially Cloudy/Light Breeze	***	95	35	30	18
	MUC930	25-09-2026	Rain,Partially Cloudy/Light Breeze	***	81	27	25	13

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DURGAPUR OC

REPORT PARTICULARS

URN No.	TC710226000002441F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE Q-II	CDOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	MINE WATER DISCHARGE Q-V	CDOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	ETP DISCHARGE (WORKSHOP)	CDOW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MC798	10-09-2026	16-09-2026 TO 15-10-2026	7.48	26	24	BDL	***
	MC881	21-09-2026	16-09-2026 TO 15-10-2026	7.65	21	16	BDL	***
2	MC799	10-09-2026	16-09-2026 TO 15-10-2026	3.22	41	16	BDL	***
	MC882	21-09-2026	16-09-2026 TO 15-10-2026	3.50	34	20	BDL	***
3	MC794	10-09-2026	16-09-2026 TO 15-10-2026	7.77	29	16	BDL	***
	MC877	21-09-2026	16-09-2026 TO 15-10-2026	7.93	22	20	BDL	***

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	DURGAPUR OC

REPORT PARTICULARS

URN No.	TC710226000002442F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	CDON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	DURGAPUR COLONY	CDON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MC811	09-09-2026	CLOUDY / LIGHT BREEZE	71.4	68.2
	MC894	24-09-2026	CLOUDY / LIGHT BREEZE	69.4	66.4
2	MC805	09-09-2026	CLOUDY / LIGHT BREEZE	43.5	42.1
	MC888	24-09-2026	CLOUDY / LIGHT BREEZE	43.9	42.2

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ENVIRONMENTAL MONITORING REPORT

HIND LALPETH OC

CHANDRAPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
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CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP OC

REPORT PARTICULARS

URN No.	TC710226000002443F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-08-2026 TO 15-09-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE NANDGAON UG (CNUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC785	07-09-2026	Partially Cloudy/Light Breeze	314	127	27	17	10
	MC868	21-09-2026	Partially Cloudy/Light Breeze	323	140	35	22	15

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP OC

REPORT PARTICULARS

URN No.	TC710226000002444F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-08-2026 TO 15-09-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	MANAGER OFFICE HLP OC (CHOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC786	07-09-2026	Partially Cloudy/Light Breeze	348	144	37	21	11
	MC869	21-09-2026	Partially Cloudy/Light Breeze	367	162	44	27	16

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP OC

REPORT PARTICULARS

URN No.	TC710226000002445F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-08-2026 TO 15-09-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	MANA VILLAGE (CMUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC744	03-09-2026	Rain,Partially Cloudy/Light Breeze	***	64	20	15	BDL
	MC827	04-09-2026	Rain,Partially Cloudy/Light Breeze	***	66	27	13	BDL
	MC752	10-09-2026	Partially Cloudy/Light Breeze	***	74	22	16	BDL
	MC835	11-09-2026	Rain,Partially Cloudy/Light Breeze	***	73	24	18	11
	MC760	17-09-2026	Cloudy/Light Breeze	***	76	19	19	12
	MC843	18-09-2026	Cloudy/Light Breeze	***	75	23	16	BDL
	MC768	24-09-2026	Rain,Partially Cloudy/Light Breeze	***	65	25	17	BDL
	MC851	25-09-2026	Partially Cloudy/Light Breeze	***	77	25	13	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP OC

REPORT PARTICULARS

URN No.	TC710226000002446F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-08-2026 TO 15-09-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	COLONY NANDGAON (CNUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC787	05-09-2026	Rain,Partially Cloudy/Light Breeze	***	66	21	14	BDL
	MUC874	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	61	18	18	BDL
	MUC806	10-09-2026	Partially Cloudy/Light Breeze	***	70	22	19	10
	MUC893	11-09-2026	Partially Cloudy/Light Breeze	***	80	27	17	11
	MUC825	16-09-2026	Partially Cloudy/Light Breeze	***	71	25	19	BDL
	MUC912	17-09-2026	Rain,Partially Cloudy/Light Breeze	***	63	19	13	BDL
	MUC844	24-09-2026	Partially Cloudy/Light Breeze	***	75	24	15	BDL
	MUC931	25-09-2026	Rain,Partially Cloudy/Light Breeze	***	67	21	18	BDL

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	ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR
	TEST REPORT
	Wastewater Quality Monitoring Report
Name of Area	CHANDRAPUR
Name of Project	HLP OC

TC-7102

REPORT PARTICULARS			
URN No.	TC710226000002449F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	CHOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MC800	11-09-2026	16-08-2026 TO 15-09-2026	3.76	35	20	BDL	***
	MC883	22-09-2026	16-08-2026 TO 15-09-2026	3.51	42	12	BDL	***

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TEST REPORT

Noise Level Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP OC

REPORT PARTICULARS

URN No.	TC710226000002450F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-08-2026 TO 15-09-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	CHON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY HLP	CHON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MC812	09-09-2026	CLOUDY / LIGHT BREEZE	67.7	65.4
	MC895	24-09-2026	CLOUDY / LIGHT BREEZE	69.5	67.7
2	MC806	09-09-2026	CLOUDY / LIGHT BREEZE	44.8	42.8
	MC889	24-09-2026	CLOUDY / LIGHT BREEZE	43.4	42.1

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ENVIRONMENTAL MONITORING REPORT

HIND LALPETH (I&III) UG

CHANDRAPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP-I & III UG

REPORT PARTICULARS

URN No.	TC710226000002451F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SUBSTATION HLC I UG (CHUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC772	05-09-2026	Rain,Partially Cloudy/Light Breeze	331	135	33	20	13
	MC855	19-09-2026	Partially Cloudy/Light Breeze	338	141	35	23	16

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP-I & III UG

REPORT PARTICULARS

URN No.	TC710226000002452F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	PIT OFFICE - HLC-I INCLINE (CHUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC773	05-09-2026	Rain,Partially Cloudy/Light Breeze	337	137	34	19	14
	MC856	19-09-2026	Partially Cloudy/Light Breeze	342	147	38	24	17

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP-I & III UG

REPORT PARTICULARS

URN No.	TC710226000002453F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	HLC-III COLONY (CHUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC742	01-09-2026	Rain,Partially Cloudy/Light Breeze	***	60	19	12	BDL
	MC825	02-09-2026	Rain,Partially Cloudy/Light Breeze	***	65	22	19	BDL
	MC750	08-09-2026	Cloudy/Light Breeze	***	76	25	16	13
	MC833	09-09-2026	Rain,Partially Cloudy/Light Breeze	***	69	18	17	BDL
	MC758	15-09-2026	Partially Cloudy/Light Breeze	***	75	21	19	11
	MC841	16-09-2026	Partially Cloudy/Light Breeze	***	70	22	14	13
	MC766	22-09-2026	Rain,Partially Cloudy/Light Breeze	***	62	20	12	BDL
	MC849	23-09-2026	Partially Cloudy/Light Breeze	***	78	26	17	14

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP-I & III UG

REPORT PARTICULARS

URN No.	TC710226000002454F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	RAJIV GANDHI ENGG. COLLEGE (CHUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC743	03-09-2026	Rain,Partially Cloudy/Light Breeze	***	64	19	12	BDL
	MC826	04-09-2026	Rain,Partially Cloudy/Light Breeze	***	67	23	15	BDL
	MC751	10-09-2026	Partially Cloudy/Light Breeze	***	75	25	16	12
	MC834	11-09-2026	Rain,Partially Cloudy/Light Breeze	***	68	16	16	BDL
	MC759	17-09-2026	Cloudy/Light Breeze	***	74	25	18	13
	MC842	18-09-2026	Cloudy/Light Breeze	***	69	21	18	11
	MC767	24-09-2026	Rain,Partially Cloudy/Light Breeze	***	67	25	14	BDL
	MC850	25-09-2026	Partially Cloudy/Light Breeze	***	76	18	19	12

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP-I & III UG

REPORT PARTICULARS

URN No.	TC710226000002456F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE HLP-III	CHUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
	MINE WATER DISCHARGE HLP-I	CHUW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MC801	11-09-2026	16-09-2026 TO 15-10-2026	7.46	25	16	BDL	***
	MC884	22-09-2026	16-09-2026 TO 15-10-2026	7.83	23	12	BDL	***
2	MC802	11-09-2026	16-09-2026 TO 15-10-2026	7.49	27	20	BDL	***
	MC885	22-09-2026	16-09-2026 TO 15-10-2026	7.63	20	14	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	HLP-I & III UG

REPORT PARTICULARS

URN No.	TC710226000002457F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE-I	CHUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY	CHUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MC820	09-09-2026	CLOUDY / LIGHT BREEZE	70.5	68.2
	MC903	24-09-2026	CLOUDY / LIGHT BREEZE	68.4	66.2
2	MC821	09-09-2026	CLOUDY / LIGHT BREEZE	44.4	43.1
	MC904	24-09-2026	CLOUDY / LIGHT BREEZE	44.8	43.4

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ENVIRONMENTAL MONITORING REPORT

MAHAKALI UG

CHANDRAPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MAHAKALI UG

REPORT PARTICULARS

URN No.	TC710226000002458F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE MAHAKALI UG (CMKUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC787	07-09-2026	Partially Cloudy/Light Breeze	311	123	35	21	13
	MC870	21-09-2026	Partially Cloudy/Light Breeze	320	128	40	23	14

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MAHAKALI UG

REPORT PARTICULARS

URN No.	TC710226000002459F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	CRC SUBSTATION/ FILTER PLANT (CCRUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC774	05-09-2026	Rain,Partially Cloudy/Light Breeze	317	124	31	17	11
	MC857	19-09-2026	Partially Cloudy/Light Breeze	332	139	39	19	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MAHAKALI UG

REPORT PARTICULARS

URN No.	TC710226000002460F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	CRC OFFICER CLUB (CCRUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC771	05-09-2026	Rain,Partially Cloudy/Light Breeze	306	122	36	18	12
	MC854	19-09-2026	Partially Cloudy/Light Breeze	320	124	27	18	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MAHAKALI UG

REPORT PARTICULARS

URN No.	TC710226000002461F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	COLONY MAHAKALI UG (CMKUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC739	01-09-2026	Rain,Partially Cloudy/Light Breeze	***	65	23	17	11
	MC822	02-09-2026	Rain,Partially Cloudy/Light Breeze	***	67	21	18	10
	MC747	08-09-2026	Cloudy/Light Breeze	***	78	26	20	BDL
	MC830	09-09-2026	Rain,Partially Cloudy/Light Breeze	***	68	23	17	BDL
	MC755	15-09-2026	Partially Cloudy/Light Breeze	***	73	23	18	10
	MC838	16-09-2026	Partially Cloudy/Light Breeze	***	71	24	19	11
	MC763	22-09-2026	Rain,Partially Cloudy/Light Breeze	***	62	19	15	BDL
	MC846	23-09-2026	Partially Cloudy/Light Breeze	***	75	26	20	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MAHAKALI UG

REPORT PARTICULARS

URN No.	TC710226000002462F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	BHATADI COLONY (CBOA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC784	05-09-2026	Rain,Partially Cloudy/Light Breeze	***	75	21	15	BDL
	MUC871	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	73	24	16	11
	MUC803	10-09-2026	Partially Cloudy/Light Breeze	***	77	27	17	12
	MUC890	11-09-2026	Partially Cloudy/Light Breeze	***	85	29	22	14
	MUC822	16-09-2026	Partially Cloudy/Light Breeze	***	87	28	22	15
	MUC909	17-09-2026	Rain,Partially Cloudy/Light Breeze	***	78	26	15	10
	MUC841	24-09-2026	Partially Cloudy/Light Breeze	***	82	31	24	17
	MUC928	25-09-2026	Rain,Partially Cloudy/Light Breeze	***	74	20	14	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MAHAKALI UG

REPORT PARTICULARS

URN No.	TC710226000002464F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	CMKUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MC803	12-09-2026	16-09-2026 TO 15-10-2026	7.46	21	20	BDL	***
	MC886	23-09-2026	16-09-2026 TO 15-10-2026	7.63	26	24	BDL	***

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TEST REPORT

Noise Level Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MAHAKALI UG

REPORT PARTICULARS

URN No.	TC710226000002465F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	CMKUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	MAHAKALI COLONY	CMKUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MC813	09-09-2026	CLOUDY / LIGHT BREEZE	70.5	67.7
	MC896	24-09-2026	CLOUDY / LIGHT BREEZE	68.5	67.2
2	MC807	09-09-2026	CLOUDY / LIGHT BREEZE	43.6	41.9
	MC890	24-09-2026	CLOUDY / LIGHT BREEZE	44.4	43.6

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

MANA UG

CHANDRAPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
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CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MANA UG

REPORT PARTICULARS

URN No.	TC710226000002466F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE (CMUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC788	07-09-2026	Partially Cloudy/Light Breeze	318	122	30	19	10
	MC871	21-09-2026	Partially Cloudy/Light Breeze	337	132	37	22	14

Reported by	Reviewed by	Approved by
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MANA UG

REPORT PARTICULARS

URN No.	TC710226000002467F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SUBSTATION MANA INCLINE (CMUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC789	07-09-2026	Partially Cloudy/Light Breeze	320	132	35	18	12
	MC872	21-09-2026	Partially Cloudy/Light Breeze	337	136	27	23	15

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MANA UG

REPORT PARTICULARS

URN No.	TC710226000002468F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	COLONY NANDGAON (CNUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC787	05-09-2026	Rain,Partially Cloudy/Light Breeze	***	66	21	14	BDL
	MUC874	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	61	18	18	BDL
	MUC806	10-09-2026	Partially Cloudy/Light Breeze	***	70	22	19	10
	MUC893	11-09-2026	Partially Cloudy/Light Breeze	***	80	27	17	11
	MUC825	16-09-2026	Partially Cloudy/Light Breeze	***	71	25	19	BDL
	MUC912	17-09-2026	Rain,Partially Cloudy/Light Breeze	***	63	19	13	BDL
	MUC844	24-09-2026	Partially Cloudy/Light Breeze	***	75	24	15	BDL
	MUC931	25-09-2026	Rain,Partially Cloudy/Light Breeze	***	67	21	18	BDL

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MANA UG

REPORT PARTICULARS

URN No.	TC710226000002469F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	MANA VILLAGE (CMUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC744	03-09-2026	Rain,Partially Cloudy/Light Breeze	***	64	20	15	BDL
	MC827	04-09-2026	Rain,Partially Cloudy/Light Breeze	***	66	27	13	BDL
	MC752	10-09-2026	Partially Cloudy/Light Breeze	***	74	22	16	BDL
	MC835	11-09-2026	Rain,Partially Cloudy/Light Breeze	***	73	24	18	11
	MC760	17-09-2026	Cloudy/Light Breeze	***	76	19	19	12
	MC843	18-09-2026	Cloudy/Light Breeze	***	75	23	16	BDL
	MC768	24-09-2026	Rain,Partially Cloudy/Light Breeze	***	65	25	17	BDL
	MC851	25-09-2026	Partially Cloudy/Light Breeze	***	77	25	13	BDL

Reported by	Reviewed by	Approved by
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TEST REPORT

Noise Level Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	MANA UG

REPORT PARTICULARS

URN No.	TC710226000002472F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	CMUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY HLP	CHON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MC814	09-09-2026	CLOUDY / LIGHT BREEZE	55.4	54.1
	MC897	24-09-2026	CLOUDY / LIGHT BREEZE	56.5	55.3
2	MC806	09-09-2026	CLOUDY / LIGHT BREEZE	44.8	42.8
	MC889	24-09-2026	CLOUDY / LIGHT BREEZE	43.4	42.1

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

NANDGAON UG

CHANDRAPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
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CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	NANDGAON UG

REPORT PARTICULARS

URN No.	TC710226000002473F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE NANDGAON UG (CNUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC785	07-09-2026	Partially Cloudy/Light Breeze	314	127	27	17	10
	MC868	21-09-2026	Partially Cloudy/Light Breeze	323	140	35	22	15

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	NANDGAON UG

REPORT PARTICULARS

URN No.	TC710226000002474F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SUBSTATION MANA INCLINE (CMUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC789	07-09-2026	Partially Cloudy/Light Breeze	320	132	35	18	12
	MC872	21-09-2026	Partially Cloudy/Light Breeze	337	136	27	23	15

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	NANDGAON UG

REPORT PARTICULARS

URN No.	TC710226000002475F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	MANA VILLAGE (CMUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC744	03-09-2026	Rain,Partially Cloudy/Light Breeze	***	64	20	15	BDL
	MC827	04-09-2026	Rain,Partially Cloudy/Light Breeze	***	66	27	13	BDL
	MC752	10-09-2026	Partially Cloudy/Light Breeze	***	74	22	16	BDL
	MC835	11-09-2026	Rain,Partially Cloudy/Light Breeze	***	73	24	18	11
	MC760	17-09-2026	Cloudy/Light Breeze	***	76	19	19	12
	MC843	18-09-2026	Cloudy/Light Breeze	***	75	23	16	BDL
	MC768	24-09-2026	Rain,Partially Cloudy/Light Breeze	***	65	25	17	BDL
	MC851	25-09-2026	Partially Cloudy/Light Breeze	***	77	25	13	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	NANDGAON UG

REPORT PARTICULARS

URN No.	TC710226000002476F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	COLONY (NANDGAON) (CNUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC787	05-09-2026	Rain,Partially Cloudy/Light Breeze	***	66	21	14	BDL
	MUC874	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	61	18	18	BDL
	MUC806	10-09-2026	Partially Cloudy/Light Breeze	***	70	22	19	10
	MUC893	11-09-2026	Partially Cloudy/Light Breeze	***	80	27	17	11
	MUC825	16-09-2026	Partially Cloudy/Light Breeze	***	71	25	19	BDL
	MUC912	17-09-2026	Rain,Partially Cloudy/Light Breeze	***	63	19	13	BDL
	MUC844	24-09-2026	Partially Cloudy/Light Breeze	***	75	24	15	BDL
	MUC931	25-09-2026	Rain,Partially Cloudy/Light Breeze	***	67	21	18	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	NANDGAON UG

REPORT PARTICULARS

URN No.	TC710226000002478F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	CNUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MC804	12-09-2026	16-09-2026 TO 15-10-2026	7.52	24	12	BDL	***
	MC887	23-09-2026	16-09-2026 TO 15-10-2026	7.74	26	20	BDL	***

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TEST REPORT

Noise Level Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	NANDGAON UG

REPORT PARTICULARS

URN No.	TC710226000002479F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	CNUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY HLP OC	CHON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MC815	09-09-2026	CLOUDY / LIGHT BREEZE	69.1	67.2
	MC898	24-09-2026	CLOUDY / LIGHT BREEZE	68.7	66.2
2	MC806	09-09-2026	CLOUDY / LIGHT BREEZE	44.8	42.8
	MC889	24-09-2026	CLOUDY / LIGHT BREEZE	43.4	42.1

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ENVIRONMENTAL MONITORING REPORT

PADMAPUR OC

CHANDRAPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	PADMAPUR OC

REPORT PARTICULARS

URN No.	TC710226000002480F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE Q-IV (PADMAPUR) (CPOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC780	06-09-2026	Rain,Partially Cloudy/Light Breeze	367	142	38	21	16
	MC863	20-09-2026	Cloudy/Light Breeze	386	149	43	23	18

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	PADMAPUR OC

REPORT PARTICULARS

URN No.	TC710226000002481F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	WORKSHOP E & M (DURGAPUR) (CDOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC779	06-09-2026	Rain,Partially Cloudy/Light Breeze	373	153	41	23	16
	MC862	20-09-2026	Cloudy/Light Breeze	392	163	43	29	19

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	PADMAPUR OC

REPORT PARTICULARS

URN No.	TC710226000002482F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	WARWAT VILLAGE (CPOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC781	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	75	21	14	11
	MC864	20-09-2026	Cloudy/Light Breeze	***	78	26	17	12

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	PADMAPUR OC

REPORT PARTICULARS

URN No.	TC710226000002483F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	KITADI VILLAGE (CPOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC782	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	71	23	13	BDL
	MC865	20-09-2026	Cloudy/Light Breeze	***	76	24	20	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CHANDRAPUR
Name of Project	PADMAPUR OC

REPORT PARTICULARS

URN No.	TC710226000002484F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	VICHODA RAYATWARI VILLAGE (CPOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC778	06-09-2026	Rain,Partially Cloudy/Light Breeze	***	77	21	13	BDL
	MC861	20-09-2026	Cloudy/Light Breeze	***	86	25	16	12

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	ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR
TC-7102	**TEST REPORT**
	Noise Level Monitoring Report
Name of Area	CHANDRAPUR
Name of Project	PADMAPUR OC

REPORT PARTICULARS

URN No.	TC710226000002486F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	CPON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	DURGAPUR COLONY	CDON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MC816	09-09-2026	CLOUDY / LIGHT BREEZE	69.2	68.4
	MC899	24-09-2026	CLOUDY / LIGHT BREEZE	70.2	68.8
2	MC805	09-09-2026	CLOUDY / LIGHT BREEZE	43.5	42.1
	MC888	24-09-2026	CLOUDY / LIGHT BREEZE	43.9	42.2

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ENVIRONMENTAL MONITORING REPORT

AMALAGAMATED YEKONA OC

MAJRI AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002539F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	PIT OFFICE / SAM OFFICE (MYOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1180	07-09-2026	CLEAR/LIGHT BREEZE	301	227	47	17	15
	MWNM1299	21-09-2026	CLEAR/LIGHT BREEZE	284	196	41	14	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA OC

REPORT PARTICULARS

URN No.	TC710226000002540F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	CHARUKHATTI VILLAGE (MYOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1107	01-09-2026	RAINY/LIGHT BREEZE	***	52	14	7	BDL
	MWNM1226	02-09-2026	RAINY/LIGHT BREEZE	***	67	19	8	BDL
	MWNM1123	08-09-2026	CLEAR/LIGHT BREEZE	***	84	29	12	10
	MWNM1242	09-09-2026	CLEAR/LIGHT BREEZE	***	76	25	7	BDL
	MWNM1139	15-09-2026	CLEAR/LIGHT BREEZE	***	70	22	7	BDL
	MWNM1258	16-09-2026	CLEAR/LIGHT BREEZE	***	83	27	10	BDL
	MWNM1155	22-09-2026	CLEAR/LIGHT BREEZE	***	79	23	9	BDL
	MWNM1274	23-09-2026	CLEAR/LIGHT BREEZE	***	88	31	11	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA OC

REPORT PARTICULARS

URN No.	TC710226000002541F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	NAYDEV VILLAGE (MYOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1109	01-09-2026	RAINY/LIGHT BREEZE	***	70	21	8	BDL
	MWNM1228	02-09-2026	RAINY/LIGHT BREEZE	***	53	17	7	BDL
	MWNM1125	08-09-2026	CLEAR/LIGHT BREEZE	***	85	26	11	BDL
	MWNM1244	09-09-2026	CLEAR/LIGHT BREEZE	***	79	23	9	BDL
	MWNM1141	15-09-2026	CLEAR/LIGHT BREEZE	***	89	31	10	BDL
	MWNM1260	16-09-2026	CLEAR/LIGHT BREEZE	***	80	29	10	BDL
	MWNM1157	22-09-2026	CLEAR/LIGHT BREEZE	***	71	25	9	BDL
	MWNM1276	23-09-2026	CLEAR/LIGHT BREEZE	***	77	27	9	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA OC

REPORT PARTICULARS

URN No.	TC710226000002542F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	WANOJA VILLAGE (MYOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1108	01-09-2026	RAINY/LIGHT BREEZE	***	49	17	7	BDL
	MWNM1227	02-09-2026	RAINY/LIGHT BREEZE	***	57	20	6	BDL
	MWNM1124	08-09-2026	CLEAR/LIGHT BREEZE	***	78	26	8	BDL
	MWNM1243	09-09-2026	CLEAR/LIGHT BREEZE	***	82	30	10	BDL
	MWNM1140	15-09-2026	CLEAR/LIGHT BREEZE	***	79	24	9	BDL
	MWNM1259	16-09-2026	CLEAR/LIGHT BREEZE	***	86	28	11	BDL
	MWNM1156	22-09-2026	CLEAR/LIGHT BREEZE	***	75	20	9	BDL
	MWNM1275	23-09-2026	CLEAR/LIGHT BREEZE	***	84	30	10	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002543F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	YEKONA VILLAGE (MYOA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1106	01-09-2026	RAINY/LIGHT BREEZE	***	55	20	7	BDL
	MWNM1225	02-09-2026	RAINY/LIGHT BREEZE	***	49	15	6	BDL
	MWNM1122	08-09-2026	CLEAR/LIGHT BREEZE	***	84	28	10	BDL
	MWNM1241	09-09-2026	CLEAR/LIGHT BREEZE	***	76	25	8	BDL
	MWNM1138	15-09-2026	CLEAR/LIGHT BREEZE	***	82	27	9	BDL
	MWNM1257	16-09-2026	CLEAR/LIGHT BREEZE	***	74	22	8	BDL
	MWNM1154	22-09-2026	CLEAR/LIGHT BREEZE	***	88	30	11	BDL
	MWNM1273	23-09-2026	CLEAR/LIGHT BREEZE	***	73	27	9	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA OC

REPORT PARTICULARS

URN No.	TC710226000002544F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
6	DANDGAON VILLAGE (MYOA6)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1104	01-09-2026	RAINY/LIGHT BREEZE	***	62	21	7	BDL
	MWNM1223	02-09-2026	RAINY/LIGHT BREEZE	***	54	17	7	BDL
	MWNM1120	08-09-2026	CLEAR/LIGHT BREEZE	***	87	26	10	BDL
	MWNM1239	09-09-2026	CLEAR/LIGHT BREEZE	***	72	24	9	BDL
	MWNM1136	15-09-2026	CLEAR/LIGHT BREEZE	***	89	30	12	10
	MWNM1255	16-09-2026	CLEAR/LIGHT BREEZE	***	81	27	10	BDL
	MWNM1152	22-09-2026	CLEAR/LIGHT BREEZE	***	77	23	9	BDL
	MWNM1271	23-09-2026	CLEAR/LIGHT BREEZE	***	71	20	9	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA OC

REPORT PARTICULARS

URN No.	TC710226000002545F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
7	HIWRA MAJRA VILLAGE (MYOA7)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1105	01-09-2026	RAINY/LIGHT BREEZE	***	42	15	7	BDL
	MWNM1224	02-09-2026	RAINY/LIGHT BREEZE	***	57	18	8	BDL
	MWNM1121	08-09-2026	CLEAR/LIGHT BREEZE	***	81	26	11	BDL
	MWNM1240	09-09-2026	CLEAR/LIGHT BREEZE	***	77	24	10	BDL
	MWNM1137	15-09-2026	CLEAR/LIGHT BREEZE	***	82	28	10	BDL
	MWNM1256	16-09-2026	CLEAR/LIGHT BREEZE	***	88	32	12	10
	MWNM1153	22-09-2026	CLEAR/LIGHT BREEZE	***	81	28	10	BDL
	MWNM1272	23-09-2026	CLEAR/LIGHT BREEZE	***	91	33	13	10

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA OC

REPORT PARTICULARS

URN No.	TC710226000002546F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
8	CONTRACTOR CAMP (MYOA8)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1181	07-09-2026	CLEAR/LIGHT BREEZE	322	241	49	17	14
	MWNM1300	21-09-2026	CLEAR/LIGHT BREEZE	299	216	41	13	10

Reported by	Reviewed by	Approved by
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA OC

REPORT PARTICULARS

URN No.	TC710226000002547F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
9	E & M WORKSHOP (MYOA9)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1182	07-09-2026	CLEAR/LIGHT BREEZE	308	212	45	15	13
	MWNM1301	21-09-2026	CLEAR/LIGHT BREEZE	271	193	39	11	BDL

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA OC

REPORT PARTICULARS

URN No.	TC710226000002550F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE - I	MYOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	MINE WATER DISCHARGE - II	MYOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	ETP	MYOW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
4	STP	MYOW4	**Units**		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MWNM1189	07-09-2026	16-09-2026 TO 15-10-2026	7.68	26	44	BDL	***
	MWNM1308	22-09-2026	16-09-2026 TO 15-10-2026	7.70	28	48	BDL	***
2	MWNM1190	07-09-2026	16-09-2026 TO 15-10-2026	7.73	18	40	BDL	***
	MWNM1309	22-09-2026	16-09-2026 TO 15-10-2026	7.71	22	44	BDL	***
3	MWNM1195	07-09-2026	16-09-2026 TO 15-10-2026	7.74	24	40	BDL	***
	MWNM1314	22-09-2026	16-09-2026 TO 15-10-2026	7.69	26	36	BDL	***
4	MWNM1199	08-09-2026	16-09-2026 TO 15-10-2026	***	22	***	***	12.6
	MWNM1318	22-09-2026	16-09-2026 TO 15-10-2026	***	28	***	***	12

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA OC

REPORT PARTICULARS

URN No.	TC710226000002551F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	PIT OFFICE YEKONA I & II OC	MYON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	YEKONA VILLAGE	MYON2	**Range**	20-130	20-130
3	CHARUKHATTI VILLAGE	MYON3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
4	NAYDEV VILLAGE	MYON4	**Units**	dB(A)	dB(A)
5	WANOJA VILLAGE	MYON5			
6	YEKONA TRANSPORTATION ROUTE	MYON6			

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MWNM1214	09-09-2026	CLEAR/LIGHT BREEZE	56.1	54.7
	MWNM1333	24-09-2026	CLOUDY/LIGHT BREEZE	56.4	53.4
2	MWNM1221	09-09-2026	CLEAR/LIGHT BREEZE	43.6	41.5
	MWNM1340	24-09-2026	CLOUDY/LIGHT BREEZE	42.3	40.4
3	MWNM1217	09-09-2026	CLEAR/LIGHT BREEZE	42.7	40.5
	MWNM1336	24-09-2026	CLOUDY/LIGHT BREEZE	40.5	39.1
4	MWNM1218	09-09-2026	CLEAR/LIGHT BREEZE	43.5	41.2
	MWNM1337	24-09-2026	CLOUDY/LIGHT BREEZE	43.3	41.5
5	MWNM1219	09-09-2026	CLEAR/LIGHT BREEZE	43.6	42.1
	MWNM1338	24-09-2026	CLOUDY/LIGHT BREEZE	44.6	42.5
6	MWNM1220	09-09-2026	CLEAR/LIGHT BREEZE	60.5	58.4
	MWNM1339	24-09-2026	CLOUDY/LIGHT BREEZE	62.6	60.5

Reported by	Reviewed by	Approved by
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DRINKING WATER QUALITY REPORT

MAJRI AREA

JOB NUMBER: 4094423060

JULY 2026 TO SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI II A OC

REPORT PARTICULARS

URN No.	TC71022600002938F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	KUCHNA COLONY RO WATER			**Date of Sampling**	22-07-2026	
Sl No	**Parameters**	**Unit**	**Range**		**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.20**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.70**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**76**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**10**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.39**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**120**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**14.4**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**9.72**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**4.12**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**1.87**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**100**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI II A OC

REPORT PARTICULARS

URN No.	TC71022600002939F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	KUCHNA COLONY BORE WATER SUPPLY	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.26**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.49**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**224**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**18**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.34**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**400**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**25.6**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**38.88**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**24.8**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**6.99**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.027**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**316**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI II A OC

REPORT PARTICULARS

URN No.	TC710226000002940F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT OUTLET	**Date of Sampling**	23-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.42**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.60**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**144**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**30**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.60**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**240**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**30.4**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**16.52**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**27.1**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**4.10**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**152**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI II A OC

REPORT PARTICULARS

URN No.	TC71022600002941F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	RO WATER	**Date of Sampling**	23-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**BDL**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.36**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.34**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**32**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**10**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.70**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**60**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**8**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**2.91**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**7.5**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**1.41**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**48**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA I & II OC

REPORT PARTICULARS

URN No.	TC71022600002942F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	BOREWELL CONTRACTOR CAMP DRINKING WATER	**Date of Sampling**	20-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.7**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.78**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.02**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**400**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**318**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**0.02**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.72**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**1180**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**51.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**66.09**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.042**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.075**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**178**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**13.40**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.049**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**0.036**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**412**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA I & II OC

REPORT PARTICULARS

URN No.	TC71022600002943F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	BORE RC OFFICE			**Date of Sampling**		**20-07-2026**
Sl No	**Parameters**	**Unit**	**Range**	**Test Method**	**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.24**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.49**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**156**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**28**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.87**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**380**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**20.8**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**25.27**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.054**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**102**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**4.47**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**340**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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सीएमपीडीआई मिनी रत्न cmpdi Mini Ratna

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA I & II OC

REPORT PARTICULARS

URN No.	TC71022600002944F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	RO OUTLET			**Date of Sampling**	20-07-2026	
Sl No	**Parameters**	**Unit**	**Range**	**Test Method**	**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.50**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**580**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**218**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**1.3**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**1110**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**105**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**84.50**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.080**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.062**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**130.5**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**18**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.078**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**0.035**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**174**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA I & II OC

REPORT PARTICULARS

URN No.	TC710226000029 45F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	HANDPUMP MARDA VILLAGE	**Date of Sampling**	20-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.6**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.46**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.54**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**408**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**136**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.25**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**710**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**35.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**77.76**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.036**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.028**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**50.9**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**67.3**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.017**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**428**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	AMALGAMATED YEKONA I & II OC

REPORT PARTICULARS

URN No.	TC71022600002946F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	HANDPUMP YEKONA VILLAGE	**Date of Sampling**	20-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.54**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.32**	6.5 to 8.5	No Relaxation
5	Total Hardness (CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**196**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**42**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.84**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**460**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**32**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**28.18**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.021**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**39.1**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**29.50**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**332**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS

URN No.	TC71022600002947F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER BOREWELL	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.6**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.31**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.35**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**272**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**182**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.25**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**770**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**43.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**39.85**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.066**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**136**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**5.84**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.026**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**304**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS

URN No.	TC71022600002948F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	RO WATER	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.5**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.52**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.43**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**332**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**192**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.25**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**820**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**67.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**39.85**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.043**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.057**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**166**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**8.19**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.035**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**296**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS

URN No.	TC71022600002949F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	RO WATER PALASGAON VILLAGE	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.28**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.62**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**72**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**14**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.35**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**140**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**19.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**5.83**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**14.3**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**7.46**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**100**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS

URN No.	TC710226000002950F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	RO WATER NAGLON VILLAGE	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1.3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**0.23**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.37**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**168**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**74**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.52**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**330**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**44.8**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**13.60**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**36.50**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**10.2**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**136**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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SURFACE WATER QUALITY REPORT

MAJRI AREA

JOB NUMBER: 4094423060

JULY 2026 TO SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Surface Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI II A OC

REPORT PARTICULARS			
URN No.	TC71022600002981F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16/07/26 TO 15/09/26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	**UP STREAM OF WARDHA RIVER W.R.T. MINE DISCHARGE**	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	Standard permissible values Water Quality Standards (as per IS: 2296) Class 'C'
1	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.12**	6.5-8.5
2	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	300
3	TDS	mg/L	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**310**	1500
4	Oil & Greese	mg/L	2 to 1000	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	**BDL**	0.1
5	Dissolved Oxygen	mg/L	0.1 to 8.5	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	**2.4**	4
6	B.O.D. (3 days at 27oC)	mg/L	2 to 1000	IS 3025 Part 44 : 1993 (RA 2014)	**2.6**	3
7	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C	**BDL**	--
8	Lead (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B	**BDL**	0.1
9	Hexavalent Chromium	mg/L	0.01 to 0.7	APHA, 24th Edition 3500-Cr B Colorimetric Method: 2017	**BDL**	0.05
10	Copper (Cu)	mg/L	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	1.5
11	Zinc (Zn)	mg/L	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	15
12	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05
13	Cadmium (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113 B, AAS GTA Method:2017	**BDL**	0.01
14	Fluoride (F-)	mg/L	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.42**	1.5
15	Iron (Fe)	mg/L	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	50
16	Nitrate Nitrogen	mg/L	0.5 to 45	APHA, 24th Edition 4500-NO3 B UV Spectrophotometric Method: 2017	**1.40**	10
17	Sulphate (SO4-2)	mg/L	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**17.27**	400
18	Chlorides (as Cl-)	mg/L	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**24**	600

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Surface Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI II A OC

REPORT PARTICULARS

URN No.	TC71022600002982F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16/07/26 TO 15/09/26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	**DOWN STREAM OF WARDHA RIVER W.R.T. MINE DISCHARGE**	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	Standard permissible values Water Quality Standards (as per IS: 2296) Class 'C'
1	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.85**	6.5-8.5
2	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	300
3	TDS	mg/L	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**330**	1500
4	Oil & Greese	mg/L	2 to 1000	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	**BDL**	0.1
5	Dissolved Oxygen	mg/L	0.1 to 8.5	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	**3.02**	4
6	B.O.D. (3 days at 27oC)	mg/L	2 to 1000	IS 3025 Part 44 : 1993 (RA 2014)	**2.8**	3
7	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C	**BDL**	--
8	Lead (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B	**BDL**	0.1
9	Hexavalent Chromium	mg/L	0.01 to 0.7	APHA, 24th Edition 3500-Cr B Colorimetric Method: 2017	**BDL**	0.05
10	Copper (Cu)	mg/L	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	1.5
11	Zinc (Zn)	mg/L	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	15
12	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05
13	Cadmium (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113 B, AAS GTA Method:2017	**BDL**	0.01
14	Fluoride (F-)	mg/L	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.44**	1.5
15	Iron (Fe)	mg/L	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	50
16	Nitrate Nitrogen	mg/L	0.5 to 45	APHA, 24th Edition 4500-NO3 B UV Spectrophotometric Method: 2017	**1.36**	10
17	Sulphate (SO4-2)	mg/L	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**22.57**	400
18	Chlorides (as Cl-)	mg/L	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**32**	600

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Surface Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	YEKONA I & II OC

REPORT PARTICULARS

URN No.	TC71022600002983F	**Date of Issue**	22-07-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16/07/26 TO 15/09/26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	**UP STREAM OF WARDHA RIVER W.R.T. MINE DISCHARGE**	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	Standard permissible values Water Quality Standards (as per IS: 2296) Class 'C'
1	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.64**	6.5-8.5
2	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	300
3	TDS	mg/L	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**280**	1500
4	Oil & Greese	mg/L	2 to 1000	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	**BDL**	0.1
5	Dissolved Oxygen	mg/L	0.1 to 8.5	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	**3.0**	4
6	B.O.D. (3 days at 27oC)	mg/L	2 to 1000	IS 3025 Part 44 : 1993 (RA 2014)	**2.6**	3
7	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C	**BDL**	--
8	Lead (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B	**BDL**	0.1
9	Hexavalent Chromium	mg/L	0.01 to 0.7	APHA, 24th Edition 3500-Cr B Colorimetric Method: 2017	**BDL**	0.05
10	Copper (Cu)	mg/L	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	1.5
11	Zinc (Zn)	mg/L	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	15
12	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05
13	Cadmium (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113 B, AAS GTA Method:2017	**BDL**	0.01
14	Fluoride (F-)	mg/L	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.16**	1.5
15	Iron (Fe)	mg/L	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	50
16	Nitrate Nitrogen	mg/L	0.5 to 45	APHA, 24th Edition 4500-NO3 B UV Spectrophotometric Method: 2017	**1.46**	10
17	Sulphate (SO4-2)	mg/L	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**17.26**	400
18	Chlorides (as Cl-)	mg/L	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**32**	600

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Surface Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	YEKONA I & II OC

REPORT PARTICULARS

URN No.	TC71022600002984F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16/07/26 TO 15/09/26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	**DOWN STREAM OF WARDHA RIVER W.R.T. MINE DISCHARGE**	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	Standard permissible values Water Quality Standards (as per IS: 2296) Class 'C'
1	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.76**	6.5-8.5
2	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	300
3	TDS	mg/L	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**340**	1500
4	Oil & Greese	mg/L	2 to 1000	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	**BDL**	0.1
5	Dissolved Oxygen	mg/L	0.1 to 8.5	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	**3**	4
6	B.O.D. (3 days at 27oC)	mg/L	2 to 1000	IS 3025 Part 44 : 1993 (RA 2014)	**2.8**	3
7	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C	**BDL**	--
8	Lead (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B	**BDL**	0.1
9	Hexavalent Chromium	mg/L	0.01 to 0.7	APHA, 24th Edition 3500-Cr B Colorimetric Method: 2017	**BDL**	0.05
10	Copper (Cu)	mg/L	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	1.5
11	Zinc (Zn)	mg/L	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	15
12	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05
13	Cadmium (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113 B, AAS GTA Method:2017	**BDL**	0.01
14	Fluoride (F-)	mg/L	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.18**	1.5
15	Iron (Fe)	mg/L	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	50
16	Nitrate Nitrogen	mg/L	0.5 to 45	APHA, 24th Edition 4500-NO3 B UV Spectrophotometric Method: 2017	**1.52**	10
17	Sulphate (SO4-2)	mg/L	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**15.06**	400
18	Chlorides (as Cl-)	mg/L	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**39**	600

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TEST REPORT

Surface Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS			
URN No.	TC71022600002985F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16/07/26 TO 15/09/26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	**UP STREAM OF WARDHA RIVER W.R.T. MINE DISCHARGE**	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	Standard permissible values Water Quality Standards (as per IS: 2296) Class 'C'
1	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.58**	6.5-8.5
2	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	300
3	TDS	mg/L	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**280**	1500
4	Oil & Greese	mg/L	2 to 1000	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	**BDL**	0.1
5	Dissolved Oxygen	mg/L	0.1 to 8.5	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	**2.98**	4
6	B.O.D. (3 days at 27oC)	mg/L	2 to 1000	IS 3025 Part 44 : 1993 (RA 2014)	**2.46**	3
7	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C	**BDL**	--
8	Lead (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B	**BDL**	0.1
9	Hexavalent Chromium	mg/L	0.01 to 0.7	APHA, 24th Edition 3500-Cr B Colorimetric Method: 2017	**BDL**	0.05
10	Copper (Cu)	mg/L	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	1.5
11	Zinc (Zn)	mg/L	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	15
12	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05
13	Cadmium (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113 B, AAS GTA Method:2017	**BDL**	0.01
14	Fluoride (F-)	mg/L	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.36**	1.5
15	Iron (Fe)	mg/L	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	50
16	Nitrate Nitrogen	mg/L	0.5 to 45	APHA, 24th Edition 4500-NO3 B UV Spectrophotometric Method: 2017	**1.56**	10
17	Sulphate (SO4-2)	mg/L	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**18.20**	400
18	Chlorides (as Cl-)	mg/L	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**26**	600

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TEST REPORT

Surface Water Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS

URN No.	TC71022600002986F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16/07/26 TO 15/09/26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	**DOWN STREAM OF WARDHA RIVER W.R.T. MINE DISCHARGE**	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	Standard permissible values Water Quality Standards (as per IS: 2296) Class 'C'
1	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.75**	6.5-8.5
2	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	300
3	TDS	mg/L	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**290**	1500
4	Oil & Greese	mg/L	2 to 1000	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	**BDL**	0.1
5	Dissolved Oxygen	mg/L	0.1 to 8.5	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	**3.2**	4
6	B.O.D. (3 days at 27oC)	mg/L	2 to 1000	IS 3025 Part 44 : 1993 (RA 2014)	**2.54**	3
7	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C	**BDL**	--
8	Lead (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B	**BDL**	0.1
9	Hexavalent Chromium	mg/L	0.01 to 0.7	APHA, 24th Edition 3500-Cr B Colorimetric Method: 2017	**BDL**	0.05
10	Copper (Cu)	mg/L	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	1.5
11	Zinc (Zn)	mg/L	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	15
12	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05
13	Cadmium (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113 B, AAS GTA Method:2017	**BDL**	0.01
14	Fluoride (F-)	mg/L	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.38**	1.5
15	Iron (Fe)	mg/L	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	50
16	Nitrate Nitrogen	mg/L	0.5 to 45	APHA, 24th Edition 4500-NO3 B UV Spectrophotometric Method: 2017	**1.62**	10
17	Sulphate (SO4-2)	mg/L	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**19.17**	400
18	Chlorides (as Cl-)	mg/L	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**36**	600

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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI UG TO OC

MAJRI AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS

URN No.	TC710226000002552F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	CAAQMS BUILDING (MMUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1177	06-09-2026	CLEAR/LIGHT BREEZE	287	193	44	15	12
	MWNM1296	20-09-2026	CLEAR/LIGHT BREEZE	251	187	40	12	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS

URN No.	TC710226000002553F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	MANAGER OFFICE UG TO OC (MMUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1178	07-09-2026	CLEAR/LIGHT BREEZE	311	223	53	17	14
	MWNM1297	21-09-2026	CLEAR/LIGHT BREEZE	291	207	45	12	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS

URN No.	TC710226000002554F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	RESCUE ROOM BUILDING (MMUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1179	07-09-2026	CLEAR/LIGHT BREEZE	279	180	39	14	11
	MWNM1298	21-09-2026	CLEAR/LIGHT BREEZE	299	213	46	16	12

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS

URN No.	TC710226000002555F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	VISLON VILLAGE (MMUA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1111	03-09-2026	RAINY/LIGHT BREEZE	***	48	14	7	BDL
	MWNM1230	04-09-2026	RAINY/LIGHT BREEZE	***	61	18	7	BDL
	MWNM1127	10-09-2026	CLEAR/LIGHT BREEZE	***	70	23	9	BDL
	MWNM1246	11-09-2026	CLEAR/LIGHT BREEZE	***	88	29	10	BDL
	MWNM1143	17-09-2026	CLEAR/LIGHT BREEZE	***	73	24	10	BDL
	MWNM1262	18-09-2026	RAINY/LIGHT BREEZE	***	55	15	7	BDL
	MWNM1159	24-09-2026	CLEAR/LIGHT BREEZE	***	86	30	11	BDL
	MWNM1278	25-09-2026	RAINY/LIGHT BREEZE	***	59	18	7	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS

URN No.	TC710226000002556F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	SAWARLA VILLAGE (MMUA6)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1110	01-09-2026	RAINY/LIGHT BREEZE	***	52	16	7	BDL
	MWNM1229	02-09-2026	RAINY/LIGHT BREEZE	***	68	19	8	BDL
	MWNM1126	08-09-2026	CLEAR/LIGHT BREEZE	***	78	22	9	BDL
	MWNM1245	09-09-2026	CLEAR/LIGHT BREEZE	***	86	27	10	BDL
	MWNM1142	15-09-2026	CLEAR/LIGHT BREEZE	***	81	23	10	BDL
	MWNM1261	16-09-2026	CLEAR/LIGHT BREEZE	***	79	28	9	BDL
	MWNM1158	22-09-2026	CLEAR/LIGHT BREEZE	***	85	31	11	BDL
	MWNM1277	23-09-2026	CLEAR/LIGHT BREEZE	***	80	27	10	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS

URN No.	TC710226000002559F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	MMUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	MMUW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	STP	MMUW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l

Sl. No.	Sample Code	Date of Sampling	Date of Testing	pH	TSS	COD	Oil & Grease	BOD
1	MWNM1188	07-09-2026	16-09-2026 TO 15-10-2026	7.67	40	52	BDL	***
	MWNM1307	21-09-2026	16-09-2026 TO 15-10-2026	7.16	24	48	BDL	***
2	MWNM1194	07-09-2026	16-09-2026 TO 15-10-2026	7.75	18	36	32	***
	MWNM1313	21-09-2026	16-09-2026 TO 15-10-2026	7.62	20	36	BDL	***
3	MWNM1198	08-09-2026	16-09-2026 TO 15-10-2026	***	26	***	***	12
	MWNM1317	21-09-2026	16-09-2026 TO 15-10-2026	***	20	***	***	11.6

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TEST REPORT

Noise Level Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI UG TO OC

REPORT PARTICULARS			
URN No.	TC710226000002560F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	PIT OFFICE	MMUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	KUCHNA COLONY	MMON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MWNM1213	09-09-2026	CLEAR/LIGHT BREEZE	55.7	54.2
	MWNM1332	24-09-2026	CLOUDY/LIGHT BREEZE	54.2	52.4
2	MWNM1216	09-09-2026	CLEAR/LIGHT BREEZE	44.1	41.7
	MWNM1335	24-09-2026	CLOUDY/LIGHT BREEZE	43.5	41.2

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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI- II(A) OC

MAJRI AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI-II(A) OC

REPORT PARTICULARS

URN No.	TC710226000002561F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	NMOC SUBSTATION (MMOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1175	06-09-2026	CLEAR/LIGHT BREEZE	309	215	54	15	13
	MWNM1294	20-09-2026	CLEAR/LIGHT BREEZE	277	184	40	11	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI-II(A) OC

REPORT PARTICULARS

URN No.	TC710226000002562F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	E & M WORKSHOP (MMOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1176	06-09-2026	CLEAR/LIGHT BREEZE	325	241	51	17	14
	MWNM1295	20-09-2026	CLEAR/LIGHT BREEZE	294	218	42	12	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI-II(A) OC

REPORT PARTICULARS

URN No.	TC710226000002563F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	PRIMAYY HEALTH CENTRE,MAJRI BASTI (MMOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1112	03-09-2026	RAINY/LIGHT BREEZE	***	52	17	8	BDL
	MWNM1231	04-09-2026	RAINY/LIGHT BREEZE	***	41	14	7	BDL
	MWNM1128	10-09-2026	CLEAR/LIGHT BREEZE	***	85	25	10	BDL
	MWNM1247	11-09-2026	CLEAR/LIGHT BREEZE	***	74	22	9	BDL
	MWNM1144	17-09-2026	CLEAR/LIGHT BREEZE	***	89	28	11	BDL
	MWNM1263	18-09-2026	RAINY/LIGHT BREEZE	***	61	18	7	BDL
	MWNM1160	24-09-2026	CLEAR/LIGHT BREEZE	***	87	29	10	BDL
	MWNM1279	25-09-2026	RAINY/LIGHT BREEZE	***	58	16	8	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI-II(A) OC

REPORT PARTICULARS

URN No.	TC710226000002564F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	KUCHANA COLONY (MMOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1103	01-09-2026	RAINY/LIGHT BREEZE	***	75	23	9	BDL
	MWNM1222	02-09-2026	RAINY/LIGHT BREEZE	***	66	20	7	BDL
	MWNM1119	08-09-2026	CLEAR/LIGHT BREEZE	***	85	28	10	BDL
	MWNM1238	09-09-2026	CLEAR/LIGHT BREEZE	***	89	31	12	10
	MWNM1135	15-09-2026	CLEAR/LIGHT BREEZE	***	94	33	13	10
	MWNM1254	16-09-2026	CLEAR/LIGHT BREEZE	***	90	30	11	BDL
	MWNM1151	22-09-2026	CLEAR/LIGHT BREEZE	***	87	28	10	BDL
	MWNM1270	23-09-2026	CLEAR/LIGHT BREEZE	***	80	22	10	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI-II(A) OC

REPORT PARTICULARS

URN No.	TC710226000002567F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	MMOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	MMOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	STP	MMOW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l

Sl. No.	Sample Code	Date of Sampling	Date of Testing	pH	TSS	COD	Oil & Grease	BOD
1	MWNM1197	07-09-2026	16-09-2026 TO 15-10-2026	7.85	32	48	BDL	***
	MWNM1306	21-09-2026	16-09-2026 TO 15-10-2026	7.10	26	44	BDL	***
2	MWNM1193	07-09-2026	16-09-2026 TO 15-10-2026	7.76	26	36	BDL	***
	MWNM1312	21-09-2026	16-09-2026 TO 15-10-2026	7.50	20	32	BDL	***
3	MWNM1197a	08-09-2026	16-09-2026 TO 15-10-2026	***	24	***	***	12.6
	MWNM1316	21-09-2026	16-09-2026 TO 15-10-2026	***	48	***	***	12

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TEST REPORT

Noise Level Monitoring Report

Name of Area	MAJRI
Name of Project	NEW MAJRI-II(A) OC

REPORT PARTICULARS			
URN No.	TC710226000002568F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	RAILWAY SIDING	MMUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	PRIMAYY HEALTH CENTER MAJRI BASTI	MMON3	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MWNM1212	09-09-2026	CLEAR/LIGHT BREEZE	68.1	66.3
	MWNM1331	24-09-2026	CLOUDY/LIGHT BREEZE	66.4	63.7
2	MWNM1215	09-09-2026	CLEAR/LIGHT BREEZE	42.6	40.2
	MWNM1334	24-09-2026	CLOUDY/LIGHT BREEZE	41.7	39.4

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ENVIRONMENTAL MONITORING REPORT

ADASA UG TO OC

NAGPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Adasa UG to OC

REPORT PARTICULARS

URN No.	TC710226000002569F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	PROJECT MANAGER OFFICE (NAUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN690	05-09-2026	CLOUDYSKY/LIGHT BREEZE	332	191	52	38	14
	MN776	19-09-2026	CLEAR/CALM	318	178	44	35	15

Reported by	**Reviewed by**	**Approved by**
R. ANNAPURNA (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Adasa UG to OC

REPORT PARTICULARS

URN No.	TC710226000002570F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	AT PATHAKHAKHEDI G.P. OFFICE (NAUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN641	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	72	36	20	BDL
	MN727	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	69	27	19	BDL
	MN653	08-09-2026	CLOUDYSKY/LIGHT BREEZE	***	79	29	21	BDL
	MN739	09-09-2026	CLOUDYSKY/LIGHT BREEZE	***	68	32	18	BDL
	MN665	15-09-2026	CLEAR/CALM	***	66	28	16	BDL
	MN751	16-09-2026	CLEAR/CALM	***	60	32	15	BDL
	MN677	22-09-2026	CLEAR/CALM	***	67	31	19	BDL
	MN763	23-09-2026	CLEAR/CALM	***	58	35	14	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Adasa UG to OC

REPORT PARTICULARS

URN No.	TC710226000002571F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	COLONY WATER FILTER PLANT (NSNU3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN643	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	58	36	18	BDL
	MN729	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	76	38	21	BDL
	MN655	08-09-2026	CLOUDYSKY/LIGHT BREEZE	***	73	39	14	BDL
	MN741	09-09-2026	CLOUDYSKY/LIGHT BREEZE	***	71	30	17	BDL
	MN667	15-09-2026	CLEAR/CALM	***	68	29	15	BDL
	MN753	16-09-2026	CLEAR/CALM	***	60	31	16	BDL
	MN679	22-09-2026	CLEAR/CALM	***	62	32	20	BDL
	MN765	23-09-2026	CLEAR/CALM	***	61	34	13	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Adasa UG to OC

REPORT PARTICULARS

URN No.	TC710226000002572F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	KOTODI VILLAGE (NSNU5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN704	05-09-2026	CLOUDYSKY/LIGHT BREEZE	***	79	36	26	12
	MN790	21-09-2026	CLEAR/CALM	***	72	35	31	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Adasa UG to OC

REPORT PARTICULARS

URN No.	TC710226000002573F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	SONPUR VILLAGE (NAUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN642	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	70	39	19	BDL
	MN728	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	75	29	22	BDL
	MN654	08-09-2026	CLOUDYSKY/LIGHT BREEZE	***	69	26	18	BDL
	MN740	09-09-2026	CLOUDYSKY/LIGHT BREEZE	***	72	33	21	BDL
	MN666	15-09-2026	CLEAR/CALM	***	64	33	14	BDL
	MN752	16-09-2026	CLEAR/CALM	***	62	29	17	BDL
	MN678	22-09-2026	CLEAR/CALM	***	58	31	16	BDL
	MN764	23-09-2026	CLEAR/CALM	***	56	34	15	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Adasa UG to OC

REPORT PARTICULARS

URN No.	TC710226000002574F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
6	GP OFFICE ERANGAON (NAUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN705	05-09-2026	CLOUDYSKY/LIGHT BREEZE	***	78	38	28	13
	MN791	21-09-2026	CLEAR/CALM	***	69	37	33	14

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Adasa UG to OC

REPORT PARTICULARS

URN No.	TC710226000002576F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease
1	MINE WATER DISCHARGE	NAUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)
			Range	2-12	10-5000	40-400	4-400
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10
			Units		mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**
1	MN716	05-09-2026	16-09-2026 TO 15-10-2026	7.54	26	28	BDL
	MN802	19-09-2026	16-09-2026 TO 15-10-2026	7.69	32	36	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	NAGPUR
Name of Project	Adasa UG to OC

REPORT PARTICULARS

URN No.	TC710226000002577F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE	NAUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY (SAONER)	NSNUN4	**Range**	20-130	20-130
3	KOTODI VILLAGE	NAUN2	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
4	PATHAKHAKHEDI GP	NAUN3	**Units**	dB(A)	dB(A)
5	YERENGAON VILLAGE	NAUN4			

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MNU595	10-09-2026	CLOUDY SKY / CALM	54.1	52.2
	MNU682	22-09-2026	CLOUDY SKY / CALM	55.1	53.5
2	MNU618	10-09-2026	CLOUDY SKY / CALM	44.5	43.4
	MNU705	22-09-2026	CLOUDY SKY / CALM	46.2	42.1
3	MNU609	10-09-2026	CLOUDY SKY / CALM	42.7	41.6
	MNU696	22-09-2026	CLOUDY SKY / CALM	43.6	42.1
4	MNU608	10-09-2026	CLOUDY SKY / CALM	40.1	39.6
	MNU695	22-09-2026	CLOUDY SKY / CALM	41.3	40.9
5	MNU622	10-09-2026	CLOUDY SKY / CALM	41.2	40.2
	MNU709	22-09-2026	CLOUDY SKY / CALM	42.6	40.4

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ENVIRONMENTAL MONITORING REPORT

AMALAGAMATED INDER & KAMPTEE OC

NAGPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Amalgamated of Kamptee Deep & Inder OC

REPORT PARTICULARS

URN No.	TC710226000002578F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	NEAR PIT NO.6 / MANAGER OFFICE (NIOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN700	07-09-2026	CLOUDYSKY/LIGHT BREEZE	321	197	57	30	12
	MN786	20-09-2026	CLEAR/CALM	336	189	43	35	14

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Amalgamated of Kamptee Deep & Inder OC

REPORT PARTICULARS

URN No.	TC710226000002579F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	CMPDI TEKADI STORE (SAM OFFICE) (NIOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN702	07-09-2026	CLOUDYSKY/LIGHT BREEZE	330	175	54	38	18
	MN788	21-09-2026	CLEAR/CALM	314	193	42	33	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Amalgamated of Kamptee Deep & Inder OC

REPORT PARTICULARS

URN No.	TC710226000002580F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	COLONY WATER TREATMENT PLANT (NKCA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN701	07-09-2026	CLOUDYSKY/LIGHT BREEZE	316	191	52	36	17
	MN787	21-09-2026	CLEAR/CALM	330	177	41	33	12

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Amalgamated of Kamptee Deep & Inder OC

REPORT PARTICULARS

URN No.	TC710226000002581F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	JUNI KAMTEE VILLAGE (NKCA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU719	03-09-2026	CLOUDYSKY/LIGHT BREEZE	***	73	39	11	BDL
	MNU809	04-09-2026	CLOUDYSKY/LIGHT BREEZE	***	74	37	19	BDL
	MNU729	10-09-2026	CLOUDYSKY/LIGHT BREEZE	***	71	27	10	BDL
	MNU819	11-09-2026	CLOUDYSKY/LIGHT BREEZE	***	76	31	13	BDL
	MNU738	17-09-2026	RAINY/LIGHT BREEZE	***	56	33	15	BDL
	MNU828	18-09-2026	RAINY/LIGHT BREEZE	***	58	26	14	BDL
	MNU748	24-09-2026	CLEAR/LIGHT BREEZE	***	66	32	16	BDL
	MNU838	25-09-2026	CLEAR/LIGHT BREEZE	***	68	35	9	BDL

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Amalgamated of Kamptee Deep & Inder OC

REPORT PARTICULARS

URN No.	TC710226000002582F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	G.P. OFFICE KANDRI VILLAGE (NKCA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU718	03-09-2026	CLOUDYSKY/LIGHT BREEZE	***	58	39	16	BDL
	MNU808	04-09-2026	CLOUDYSKY/LIGHT BREEZE	***	60	31	16	BDL
	MNU728	10-09-2026	CLOUDYSKY/LIGHT BREEZE	***	71	37	9	BDL
	MNU818	11-09-2026	CLOUDYSKY/LIGHT BREEZE	***	75	34	17	BDL
	MNU737	17-09-2026	RAINY/LIGHT BREEZE	***	68	32	11	BDL
	MNU827	18-09-2026	RAINY/LIGHT BREEZE	***	57	35	10	BDL
	MNU747	24-09-2026	CLEAR/LIGHT BREEZE	***	59	33	15	BDL
	MNU837	25-09-2026	CLEAR/LIGHT BREEZE	***	62	23	13	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Amalgamated of Kamptee Deep & Inder OC

REPORT PARTICULARS

URN No.	TC710226000002583F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
6	TEKADI VILLAGE (NKCA6)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU893	03-09-2026	CLOUDYSKY/LIGHT BREEZE	***	54	26	17	BDL
	MNU894	04-09-2026	CLOUDYSKY/LIGHT BREEZE	***	68	32	14	BDL
	MNU895	10-09-2026	CLOUDYSKY/LIGHT BREEZE	***	56	28	15	BDL
	MNU896	11-09-2026	CLOUDYSKY/LIGHT BREEZE	***	63	34	14	BDL
	MNU900	17-09-2026	RAINY/LIGHT BREEZE	***	65	30	11	BDL
	MNU901	18-09-2026	RAINY/LIGHT BREEZE	***	77	32	16	BDL
	MNU902	24-09-2026	CLEAR/LIGHT BREEZE	***	61	33	13	BDL
	MNU903	25-09-2026	CLEAR/LIGHT BREEZE	***	72	28	12	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	Amalgamated of Kamptee Deep & Inder OC

REPORT PARTICULARS

URN No.	TC710226000002586F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE DISCHARGE	NIOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	NIOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	STP	NIOW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MN711	07-09-2026	16-09-2026 TO 15-10-2026	7.77	16	32	BDL	***
	MN797	20-09-2026	16-09-2026 TO 15-10-2026	8.08	22	28	BDL	***
2	MN717	07-09-2026	16-09-2026 TO 15-10-2026	8.16	20	32	BDL	***
	MN803	20-09-2026	16-09-2026 TO 15-10-2026	7.98	24	20	BDL	***
3	MN721	07-09-2026	16-09-2026 TO 15-10-2026	***	44	***	BDL	12.6
	MN807	20-09-2026	16-09-2026 TO 15-10-2026	***	48	***	BDL	10.8

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	NAGPUR
Name of Project	Amalgamated of Kamptee Deep & Inder OC

REPORT PARTICULARS

URN No.	TC710226000002587F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	RC OFFICE	NION1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	CHP	NKCN1	**Range**	20-130	20-130
3	COLONY KAMPTEE	NKCN2	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
4	JUNI KAMPTEE VILLAGE	NKCN3	**Units**	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MNU598	10-09-2026	CLOUDY SKY / CALM	53.6	51.2
	MNU685	22-09-2026	CLOUDY SKY / CALM	52.6	50.2
2	MNU599	10-09-2026	CLOUDY SKY / CALM	68.9	67.7
	MNU686	22-09-2026	CLOUDY SKY / CALM	69.1	67.9
3	MNU612	10-09-2026	CLOUDY SKY / CALM	43.2	40.6
	MNU699	22-09-2026	CLOUDY SKY / CALM	42.2	41.0
4	MNU611	10-09-2026	CLOUDY SKY / CALM	41.3	40.5
	MNU698	22-09-2026	CLOUDY SKY / CALM	42.2	41.6

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ENVIRONMENTAL MONITORING REPORT

BHANEGAON OC

NAGPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	BHANEGOAN OC

REPORT PARTICULARS

URN No.	TC710226000002588F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	NEAR MANAGER OFFICE (NBOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN697	06-09-2026	CLOUDYSKY/LIGHT BREEZE	335	173	53	30	17
	MN783	20-09-2026	CLEAR/CALM	328	191	46	37	13

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	BHANEGOAN OC

REPORT PARTICULARS

URN No.	TC710226000002589F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	BINA SANGAM TEMPLE (NBOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN651	03-09-2026	CLOUDYSKY/LIGHT BREEZE	***	72	34	11	BDL
	MN737	04-09-2026	CLOUDYSKY/LIGHT BREEZE	***	73	26	19	BDL
	MN663	10-09-2026	CLOUDYSKY/LIGHT BREEZE	***	68	35	12	BDL
	MN749	11-09-2026	CLOUDYSKY/LIGHT BREEZE	***	74	33	19	BDL
	MN675	17-09-2026	CLEAR/CALM	***	63	36	14	BDL
	MN761	18-09-2026	CLEAR/CALM	***	66	35	13	BDL
	MN687	24-09-2026	CLEAR/CALM	***	62	25	15	BDL
	MN773	25-09-2026	CLEAR/CALM	***	65	34	16	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	BHANEGOAN OC

REPORT PARTICULARS

URN No.	TC710226000002590F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	BHANEGAON VILLAGE (NBOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN650	03-09-2026	CLOUDYSKY/LIGHT BREEZE	***	74	25	19	BDL
	MN736	04-09-2026	CLOUDYSKY/LIGHT BREEZE	***	58	36	17	BDL
	MN662	10-09-2026	CLOUDYSKY/LIGHT BREEZE	***	76	29	14	BDL
	MN748	11-09-2026	CLOUDYSKY/LIGHT BREEZE	***	59	34	18	BDL
	MN674	17-09-2026	CLEAR/CALM	***	60	34	11	BDL
	MN760	18-09-2026	CLEAR/CALM	***	69	29	17	BDL
	MN686	24-09-2026	CLEAR/CALM	***	59	35	16	BDL
	MN772	25-09-2026	CLEAR/CALM	***	70	27	13	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	BHANEGOAN OC

REPORT PARTICULARS

URN No.	TC710226000002591F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	DORLI VILLAGE (NSOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU715	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	72	34	11	BDL
	MNU805	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	70	37	20	BDL
	MNU725	08-09-2026	RAINY SKY/LIGHT BREEZE	***	76	31	10	BDL
	MNU815	09-09-2026	RAINY SKY/LIGHT BREEZE	***	68	39	14	BDL
	MNU734	15-09-2026	CLEAR/LIGHT BREEZE	***	63	35	15	BDL
	MNU824	16-09-2026	CLEAR/LIGHT BREEZE	***	61	23	13	BDL
	MNU744	22-09-2026	CLEAR/LIGHT BREEZE	***	64	33	12	BDL
	MNU834	23-09-2026	CLEAR/LIGHT BREEZE	***	56	29	17	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	BHANEGOAN OC

REPORT PARTICULARS

URN No.	TC710226000002593F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	NBOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	NBOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	STP	NBOW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MN713	07-09-2026	16-09-2026 TO 15-10-2026	7.96	24	20	BDL	***
	MN799	20-09-2026	16-09-2026 TO 15-10-2026	7.66	22	32	BDL	***
2	MN719	07-09-2026	16-09-2026 TO 15-10-2026	7.97	30	48	BDL	***
	MN805	20-09-2026	16-09-2026 TO 15-10-2026	8.03	28	40	BDL	***
3	MN723	07-09-2026	16-09-2026 TO 15-10-2026	***	50	***	BDL	12.8
	MN809	20-09-2026	16-09-2026 TO 15-10-2026	***	48	***	BDL	12.6

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	NAGPUR
Name of Project	BHANEGOAN OC

REPORT PARTICULARS

URN No.	TC710226000002594F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CONTRACTOR CAMP / MANAGER OFFICE	NBON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	BINA VILLAGE	NBON2	**Range**	20-130	20-130
3	DORLI VILLAGE	NSON3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
4	SOHALI VILLAGE	NSON2	**Units**	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MNU625	10-09-2026	CLOUDY SKY / CALM	56.2	54.1
	MNU712	22-09-2026	CLOUDY SKY / CALM	55.1	53.1
2	MNU614	10-09-2026	CLOUDY SKY / CALM	44.1	42.5
	MNU701	22-09-2026	CLOUDY SKY / CALM	45.8	44.3
3	MNU615	10-09-2026	CLOUDY SKY / CALM	42.6	41.7
	MNU702	22-09-2026	CLOUDY SKY / CALM	43.2	40.6
4	MNU620	10-09-2026	CLOUDY SKY / CALM	42.8	41.7
	MNU707	22-09-2026	CLOUDY SKY / CALM	43.6	42.7

Reported by	Reviewed by	Approved by
R. ANNAPURNA (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENTAL MONITORING REPORT

DUMRI RAILWAY SIDING

NAGPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	DUMRI RAILWAY SIDING

REPORT PARTICULARS

URN No.	TC710226000002595F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	DUMRI KHURD (NDRSA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN703	07-09-2026	CLOUDYSKY/LIGHT BREEZE	339	179	56	39	18
	MN789	21-09-2026	CLEAR/CALM	332	197	40	36	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	DUMRI RAILWAY SIDING

REPORT PARTICULARS

URN No.	TC710226000002596F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	NANDGAON VILLAGE (NDRSA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU720	03-09-2026	CLOUDYSKY/LIGHT BREEZE	***	76	37	12	BDL
	MNU810	04-09-2026	CLOUDYSKY/LIGHT BREEZE	***	75	26	17	BDL
	MNU730	10-09-2026	CLOUDYSKY/LIGHT BREEZE	***	60	33	9	BDL
	MNU820	11-09-2026	CLOUDYSKY/LIGHT BREEZE	***	73	39	14	BDL
	MNU739	17-09-2026	RAINY/LIGHT BREEZE	***	62	25	11	BDL
	MNU829	18-09-2026	RAINY/LIGHT BREEZE	***	57	35	10	BDL
	MNU749	24-09-2026	CLEAR/LIGHT BREEZE	***	68	33	16	BDL
	MNU839	25-09-2026	CLEAR/LIGHT BREEZE	***	61	32	17	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	DUMRI RAILWAY SIDING

REPORT PARTICULARS

URN No.	TC710226000002597F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	KERDI VILLAGE (NDRSA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU721	03-09-2026	CLOUDYSKY/LIGHT BREEZE	***	56	26	14	BDL
	MNU811	04-09-2026	CLOUDYSKY/LIGHT BREEZE	***	65	30	13	BDL
	MNU731	10-09-2026	CLOUDYSKY/LIGHT BREEZE	***	68	33	16	BDL
	MNU821	11-09-2026	CLOUDYSKY/LIGHT BREEZE	***	61	34	13	BDL
	MNU740	17-09-2026	RAINY/LIGHT BREEZE	***	66	29	10	BDL
	MNU830	18-09-2026	RAINY/LIGHT BREEZE	***	75	21	15	BDL
	MNU750	24-09-2026	CLEAR/LIGHT BREEZE	***	77	23	12	BDL
	MNU840	25-09-2026	CLEAR/LIGHT BREEZE	***	70	27	17	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	DUMRI RAILWAY SIDING

REPORT PARTICULARS

URN No.	TC710226000002598F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	DUMRI KALA VILLAGE (NDRSA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU722	03-09-2026	CLOUDYSKY/LIGHT BREEZE	***	64	28	13	BDL
	MNU812	04-09-2026	CLOUDYSKY/LIGHT BREEZE	***	52	33	12	BDL
	MNU897	10-09-2026	CLOUDYSKY/LIGHT BREEZE	***	57	30	15	BDL
	MNU898	11-09-2026	CLOUDYSKY/LIGHT BREEZE	***	59	38	12	BDL
	MNU741	17-09-2026	RAINY/LIGHT BREEZE	***	76	33	9	BDL
	MNU831	18-09-2026	RAINY/LIGHT BREEZE	***	61	23	14	BDL
	MNU751	24-09-2026	CLEAR/LIGHT BREEZE	***	66	31	11	BDL
	MNU841	25-09-2026	CLEAR/LIGHT BREEZE	***	68	27	16	BDL

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TEST REPORT

Noise Level Monitoring Report

Name of Area	NAGPUR
Name of Project	DUMRI RAILWAY SIDING

REPORT PARTICULARS

URN No.	TC710226000002599F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	STATION MANAGER OFFICE	NKCN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	NANDGAON VILLAGE	NKCN2	**Range**	20-130	20-130
3	DUMRI KALA	NKCN3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
			Units	dB(A)	dB(A)
Sl. No.	**Sample Code**	**Date of Sampling**	**Environmental Conditions**	**Daytime**	**Night Time**
1	MNU600	10-09-2026	CLOUDY SKY / CALM	55.9	54.1
	MNU687	22-09-2026	CLOUDY SKY / CALM	56.5	55.8
2	MNU613	10-09-2026	CLOUDY SKY / CALM	43.9	42.1
	MNU700	22-09-2026	CLOUDY SKY / CALM	44.6	42.5
3	MNU624	10-09-2026	CLOUDY SKY / CALM	46.2	44.2
	MNU711	22-09-2026	CLOUDY SKY / CALM	47.2	43.2

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ENVIRONMENTAL MONITORING REPORT

GONDEGAON OC

NAGPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	GONDEGAON OC

REPORT PARTICULARS

URN No.	TC710226000002600F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	NEAR SUBSTATION / SAM OFFICE (NGOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN698	06-09-2026	CLOUDYSKY/LIGHT BREEZE	334	189	54	37	16
	MN784	20-09-2026	CLEAR/CALM	326	176	40	33	14

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	GONDEGAON OC

REPORT PARTICULARS

URN No.	TC710226000002601F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	GONDEGAON VILLAGE SCHOOL (NGOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU717	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	64	35	11	BDL
	MNU807	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	77	28	19	BDL
	MNU727	08-09-2026	RAINY SKY/LIGHT BREEZE	***	73	37	15	BDL
	MNU817	09-09-2026	RAINY SKY/LIGHT BREEZE	***	61	30	9	BDL
	MNU736	15-09-2026	CLEAR/LIGHT BREEZE	***	71	23	19	BDL
	MNU826	16-09-2026	CLEAR/LIGHT BREEZE	***	60	33	14	BDL
	MNU746	22-09-2026	CLEAR/LIGHT BREEZE	***	63	31	10	BDL
	MNU836	23-09-2026	CLEAR/LIGHT BREEZE	***	69	35	13	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	GONDEGAON OC

REPORT PARTICULARS

URN No.	TC710226000002602F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	COLONY GUEST HOUSE / FILTER PLANT (NGOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN699	07-09-2026	CLOUDYSKY/LIGHT BREEZE	328	195	52	36	17
	MN785	20-09-2026	CLEAR/CALM	318	173	39	35	11

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	GONDEGAON OC

REPORT PARTICULARS

URN No.	TC710226000002603F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	GHATROHNA VILLAGE (NGOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU716	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	70	36	13	BDL
	MNU806	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	60	32	19	BDL
	MNU726	08-09-2026	RAINY SKY/LIGHT BREEZE	***	58	28	18	BDL
	MNU816	09-09-2026	RAINY SKY/LIGHT BREEZE	***	68	38	10	BDL
	MNU735	15-09-2026	CLEAR/LIGHT BREEZE	***	64	27	9	BDL
	MNU825	16-09-2026	CLEAR/LIGHT BREEZE	***	69	32	12	BDL
	MNU745	22-09-2026	CLEAR/LIGHT BREEZE	***	73	34	15	BDL
	MNU835	23-09-2026	CLEAR/LIGHT BREEZE	***	62	31	16	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	GONDEGAON OC

REPORT PARTICULARS

URN No.	TC710226000002605F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	NGOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	NGOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	STP	NGOW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MN712	06-09-2026	16-09-2026 TO 15-10-2026	7.73	32	36	BDL	***
	MN798	20-09-2026	16-09-2026 TO 15-10-2026	7.96	26	24	BDL	***
2	MN718	06-09-2026	16-09-2026 TO 15-10-2026	7.88	18	24	BDL	***
	MN804	20-09-2026	16-09-2026 TO 15-10-2026	7.99	24	32	BDL	***
3	MN722	06-09-2026	16-09-2026 TO 15-10-2026	***	52	***	BDL	13.2
	MN808	20-09-2026	16-09-2026 TO 15-10-2026	***	54	***	BDL	13.2

Reported by	Reviewed by	Approved by
R. ANNAPURNA (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	NAGPUR
Name of Project	GONDEGAON OC

REPORT PARTICULARS

URN No.	TC710226000002606F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	NGON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	GONDEGAON VILLAGE/COLONY	NGON2	**Range**	20-130	20-130
3	JUNI KAMPTEE VILLAGE	NKCN3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MNU597	10-09-2026	CLOUDY SKY / CALM	69.2	68.4
	MNU684	22-09-2026	CLOUDY SKY / CALM	70.2	69.1
2	MNU610	10-09-2026	CLOUDY SKY / CALM	44.8	43.4
	MNU697	22-09-2026	CLOUDY SKY / CALM	45.7	42.6
3	MNU611	10-09-2026	CLOUDY SKY / CALM	41.3	40.5
	MNU698	22-09-2026	CLOUDY SKY / CALM	42.2	41.6

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DRINKING WATER QUALITY REPORT

NAGPUR AREA

JOB NUMBER: 4094423060

JULY 2026 TO SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SILEWARA UG

REPORT PARTICULARS

URN No.	TC71022600002907F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	06-07-2026

Sl No	Parameters	Unit	Range		Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.82**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**240**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**94**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.32**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**562**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**32.0**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**38.88**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**92**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**2.31**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**212**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	PATANSAONGI UG

REPORT PARTICULARS

URN No.	TC71022600002908F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	07-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.85**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**240**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**48**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.31**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**396**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**17.6**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**47.63**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**30.50**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**21.40**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**308**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
R. ANNAPURNA (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SAONER UG

REPORT PARTICULARS

URN No.	TC710226000002909F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	07-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.77**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**248**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**98**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.28**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**554**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**44.8**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**33.05**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**155**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**3.47**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**116**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	GONDEGAON OC

REPORT PARTICULARS

URN No.	TC71022600002910F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT			**Date of Sampling**	06-07-2026	
Sl No	**Parameters**	**Unit**	**Range**	**Test Method**	**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.46**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**260**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**24**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.34**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**458**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**51.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**32.07**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**49.00**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**25.70**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**220**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	AMALGAMATED INDER KAMPTEE DEEP OC

REPORT PARTICULARS

URN No.	TC71022600002911F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT				**Date of Sampling**	07-07-2026	
Sl No	**Parameters**	**Unit**	**Range**	**Test Method**	**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.69**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**228**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**26**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.29**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**336**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**35.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**34.02**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**64.00**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**19.40**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**180**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

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Note 3: BDL denotes Below Detection Limit

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ENVIRONMENTAL MONITORING REPORT

PATANSAONGI UG

NAGPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	PATANSAONGI UG

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002607F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	COLLIERY MANAGER OFFICE (NPTUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN693	06-09-2026	CLOUDYSKY/LIGHT BREEZE	332.5	183	52	38	16
	MN779	19-09-2026	CLEAR/CALM	323	199	42	35	13

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	PATANSAONGI UG

REPORT PARTICULARS

URN No.	TC710226000002608F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SADBHAVANA NAGAR (FILTER PLANT) (NPTUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN647	03-09-2026	CLOUDYSKY/LIGHT BREEZE	***	75	32	18	BDL
	MN733	04-09-2026	CLOUDYSKY/LIGHT BREEZE	***	68	34	19	BDL
	MN659	10-09-2026	CLOUDYSKY/LIGHT BREEZE	***	72	26	11	BDL
	MN745	11-09-2026	CLOUDYSKY/LIGHT BREEZE	***	70	36	19	BDL
	MN671	17-09-2026	CLEAR/CALM	***	58	37	15	BDL
	MN757	18-09-2026	CLEAR/CALM	***	59	34	14	BDL
	MN683	24-09-2026	CLEAR/CALM	***	61	35	13	BDL
	MN769	25-09-2026	CLEAR/CALM	***	63	27	16	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	PATANSAONGI UG

REPORT PARTICULARS

URN No.	TC710226000002609F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	NEAR LCH QR. (NPTUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN646	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	72	37	18	BDL
	MN732	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	60	39	22	BDL
	MN658	08-09-2026	CLOUDYSKY/LIGHT BREEZE	***	73	31	13	BDL
	MN744	09-09-2026	CLOUDYSKY/LIGHT BREEZE	***	69	34	14	BDL
	MN670	15-09-2026	CLEAR/CALM	***	67	27	15	BDL
	MN756	16-09-2026	CLEAR/CALM	***	68	29	16	BDL
	MN682	22-09-2026	CLEAR/CALM	***	58	33	19	BDL
	MN768	23-09-2026	CLEAR/CALM	***	61	25	17	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	PATANSAONGI UG

REPORT PARTICULARS

URN No.	TC710226000002610F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	SAVARMENDHA / TANDULWADI VILLAGE (NPTUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN645	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	70	28	18	BDL
	MN731	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	74	27	15	BDL
	MN657	08-09-2026	CLOUDYSKY/LIGHT BREEZE	***	76	34	20	BDL
	MN743	09-09-2026	CLOUDYSKY/LIGHT BREEZE	***	77	36	19	BDL
	MN669	15-09-2026	CLEAR/CALM	***	57	29	15	BDL
	MN755	16-09-2026	CLEAR/CALM	***	66	34	17	BDL
	MN681	22-09-2026	CLEAR/CALM	***	58	36	16	BDL
	MN767	23-09-2026	CLEAR/CALM	***	62	27	14	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	PATANSAONGI UG

REPORT PARTICULARS

URN No.	TC710226000002612F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	NPTUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	STP	NPTUW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MN710	06-09-2026	16-09-2026 TO 15-10-2026	7.81	30	48	BDL	***
	MN796	19-09-2026	16-09-2026 TO 15-10-2026	7.95	26	36	BDL	***
2	MN726	06-09-2026	16-09-2026 TO 15-10-2026	***	54	***	BDL	13.8
	MN812	20-09-2026	16-09-2026 TO 15-10-2026	***	46	***	BDL	11.4

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TEST REPORT

Noise Level Monitoring Report

Name of Area	NAGPUR
Name of Project	PATANSAONGI UG

REPORT PARTICULARS

URN No.	TC710226000002613F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	NPTUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	SADBHAVNA NAGAR FILTER PLANT	NPTUN2	**Range**	20-130	20-130
3	SAVARMENDHA VILLAGE	NPTUN3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MNU601	10-09-2026	CLOUDY SKY / CALM	65.4	63.8
	MNU688	22-09-2026	CLOUDY SKY / CALM	66.2	64.6
2	MNU616	10-09-2026	CLOUDY SKY / CALM	44.6	43.1
	MNU703	22-09-2026	CLOUDY SKY / CALM	45.1	42.3
3	MNU617	10-09-2026	CLOUDY SKY / CALM	43.8	42.1
	MNU704	22-09-2026	CLOUDY SKY / CALM	44.5	43.6

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ENVIRONMENTAL MONITORING REPORT

SAONER UG

NAGPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SAONER UG

REPORT PARTICULARS

URN No.	TC710226000002614F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	C.M OFFICE-SAONER-I UG (NSNUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN692	05-09-2026	CLOUDYSKY/LIGHT BREEZE	331	187	48	39	12
	MN778	19-09-2026	CLEAR/CALM	324	175	49	34	15

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SAONER UG

REPORT PARTICULARS

URN No.	TC710226000002615F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	C.M OFFICE-SAONER-II UG (NSNUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN691	05-09-2026	CLOUDYSKY/LIGHT BREEZE	338	190	55	38	14
	MN777	19-09-2026	CLEAR/CALM	331	178	47	36	16

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SAONER UG

REPORT PARTICULARS

URN No.	TC710226000002616F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	COLONY WATER FILTER PLANT (NSNUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN643	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	58	36	18	BDL
	MN729	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	76	38	21	BDL
	MN655	08-09-2026	CLOUDYSKY/LIGHT BREEZE	***	73	39	14	BDL
	MN741	09-09-2026	CLOUDYSKY/LIGHT BREEZE	***	71	30	17	BDL
	MN667	15-09-2026	CLEAR/CALM	***	68	29	15	BDL
	MN753	16-09-2026	CLEAR/CALM	***	60	31	16	BDL
	MN679	22-09-2026	CLEAR/CALM	***	62	32	20	BDL
	MN765	23-09-2026	CLEAR/CALM	***	61	34	13	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SAONER UG

REPORT PARTICULARS

URN No.	TC710226000002617F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	KOTODI VILLAGE (NSNUA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN704	05-09-2026	CLOUDYSKY/LIGHT BREEZE	***	79	36	26	12
	MN790	21-09-2026	CLEAR/CALM	***	72	35	31	12

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SAONER UG

REPORT PARTICULARS

URN No.	TC710226000002618F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	BORGAON VILLAGE (NSNUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN644	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	71	27	20	BDL
	MN730	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	74	38	20	BDL
	MN656	08-09-2026	CLOUDYSKY/LIGHT BREEZE	***	69	36	17	BDL
	MN742	09-09-2026	CLOUDYSKY/LIGHT BREEZE	***	73	25	19	BDL
	MN668	15-09-2026	CLEAR/CALM	***	65	34	15	BDL
	MN754	16-09-2026	CLEAR/CALM	***	56	30	21	BDL
	MN680	22-09-2026	CLEAR/CALM	***	58	31	16	BDL
	MN766	23-09-2026	CLEAR/CALM	***	66	37	14	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

Wastewater Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SAONER UG

REPORT PARTICULARS

URN No.	TC710226000002619F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE I	NSNUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	MINE WATER DISCHARGE II	NSNUW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	MINE WATER DISCHARGE III	NSNUW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
4	STP	NSNUW4	**Units**		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MN707	05-09-2026	16-09-2026 TO 15-10-2026	8.04	22	40	BDL	***
	MN793	19-09-2026	16-09-2026 TO 15-10-2026	7.43	24	28	BDL	***
2	MN708	05-09-2026	16-09-2026 TO 15-10-2026	7.92	18	32	BDL	***
	MN794	19-09-2026	16-09-2026 TO 15-10-2026	7.88	20	24	BDL	***
3	MN709	05-09-2026	16-09-2026 TO 15-10-2026	7.91	24	32	BDL	***
	MN795	19-09-2026	16-09-2026 TO 15-10-2026	7.71	28	20	BDL	***
4	MN724	05-09-2026	16-09-2026 TO 15-10-2026	***	54	***	BDL	13.8
	MN810	19-09-2026	16-09-2026 TO 15-10-2026	***	58	***	BDL	11.4

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	NAGPUR
Name of Project	SAONER UG

REPORT PARTICULARS

URN No.	TC710226000002620F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE-I	NSNUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	FAN HOUSE-II	NSNUN2	**Range**	20-130	20-130
3	FAN HOUSE-III	NSNUN3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
4	SAONER COLONY	NSNUN4	**Units**	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MNU602	10-09-2026	CLOUDY SKY / CALM	70.1	68.5
	MNU689	22-09-2026	CLOUDY SKY / CALM	69.1	68.4
2	MNU603	10-09-2026	CLOUDY SKY / CALM	69.4	68.2
	MNU690	22-09-2026	CLOUDY SKY / CALM	70.2	69.8
3	MNU604	10-09-2026	CLOUDY SKY / CALM	65.8	64.3
	MNU691	22-09-2026	CLOUDY SKY / CALM	66.4	63.2
4	MNU618	10-09-2026	CLOUDY SKY / CALM	44.5	43.4
	MNU705	22-09-2026	CLOUDY SKY / CALM	46.2	42.1

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ENVIRONMENTAL MONITORING REPORT

SILEWARA UG

NAGPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SILEWARA UG

REPORT PARTICULARS

URN No.	TC710226000002621F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	WATER FILTER FLANT (NSUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN694	06-09-2026	CLOUDYSKY/LIGHT BREEZE	331	193	51	32	19
	MN780	19-09-2026	CLEAR/CALM	321	185	39	38	11

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SILEWARA UG

REPORT PARTICULARS

URN No.	TC710226000002622F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	V.T.C. SILEWARA (NSUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN695	06-09-2026	CLOUDYSKY/LIGHT BREEZE	337	188	57	36	16
	MN781	20-09-2026	CLEAR/CALM	313	179	45	33	14

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SILEWARA UG

REPORT PARTICULARS

URN No.	TC710226000002623F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	MANDIR NEAR KANHAN RIVER (NSUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN649	03-09-2026	CLOUDYSKY/LIGHT BREEZE	***	72	39	11	BDL
	MN735	04-09-2026	CLOUDYSKY/LIGHT BREEZE	***	76	37	20	BDL
	MN661	10-09-2026	CLOUDYSKY/LIGHT BREEZE	***	70	32	13	BDL
	MN747	11-09-2026	CLOUDYSKY/LIGHT BREEZE	***	68	27	17	BDL
	MN673	17-09-2026	CLEAR/CALM	***	60	26	15	BDL
	MN759	18-09-2026	CLEAR/CALM	***	58	31	12	BDL
	MN685	24-09-2026	CLEAR/CALM	***	63	33	16	BDL
	MN771	25-09-2026	CLEAR/CALM	***	66	32	14	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SILEWARA UG

REPORT PARTICULARS

URN No.	TC710226000002624F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	CHANKAPUR PUMP HOUSE / COLONY (NSUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN648	03-09-2026	CLOUDYSKY/LIGHT BREEZE	***	76	38	11	BDL
	MN734	04-09-2026	CLOUDYSKY/LIGHT BREEZE	***	72	26	21	BDL
	MN660	10-09-2026	CLOUDYSKY/LIGHT BREEZE	***	68	39	14	BDL
	MN746	11-09-2026	CLOUDYSKY/LIGHT BREEZE	***	70	34	18	BDL
	MN672	17-09-2026	CLEAR/CALM	***	60	29	15	BDL
	MN758	18-09-2026	CLEAR/CALM	***	66	32	16	BDL
	MN684	24-09-2026	CLEAR/CALM	***	63	33	17	BDL
	MN770	25-09-2026	CLEAR/CALM	***	61	25	13	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SILEWARA UG

REPORT PARTICULARS

URN No.	TC710226000002626F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	NSUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	STP	NSUW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MN706	05-09-2026	16-09-2026 TO 15-10-2026	7.91	16	28	BDL	***
	MN792	20-09-2026	16-09-2026 TO 15-10-2026	7.67	22	20	BDL	***
2	MN725	05-09-2026	16-09-2026 TO 15-10-2026	***	52	***	BDL	15
	MN811	21-09-2026	16-09-2026 TO 15-10-2026	***	56	***	BDL	12

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	NAGPUR
Name of Project	SILEWARA UG

REPORT PARTICULARS

URN No.	TC710226000002627F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	NSUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY (SILEWARA)	NSUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MNU605	10-09-2026	CLOUDY SKY / CALM	68.4	65.6
	MNU692	22-09-2026	CLOUDY SKY / CALM	69.7	66.4
2	MNU619	10-09-2026	CLOUDY SKY / CALM	42.1	40.7
	MNU706	22-09-2026	CLOUDY SKY / CALM	43.6	40.2

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

SINGORI DEEP OC

NAGPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SINGORI OC

REPORT PARTICULARS

URN No.	TC710226000002628F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE (NSOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN696	06-09-2026	CLOUDYSKY/LIGHT BREEZE	315	194	55	31	18
	MN782	20-09-2026	CLEAR/CALM	337	190	43	36	13

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SINGORI OC

REPORT PARTICULARS

URN No.	TC710226000002629F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SOHOLI VILLAGE (NSOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU714	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	68	33	19	BDL
	MNU804	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	73	30	19	BDL
	MNU724	08-09-2026	RAINY SKY/LIGHT BREEZE	***	75	32	13	BDL
	MNU814	09-09-2026	RAINY SKY/LIGHT BREEZE	***	70	34	10	BDL
	MNU733	15-09-2026	CLEAR/LIGHT BREEZE	***	61	35	11	BDL
	MNU823	16-09-2026	CLEAR/LIGHT BREEZE	***	65	34	15	BDL
	MNU743	22-09-2026	CLEAR/LIGHT BREEZE	***	60	36	16	BDL
	MNU833	23-09-2026	CLEAR/LIGHT BREEZE	***	58	23	14	BDL

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SINGORI OC

REPORT PARTICULARS

URN No.	TC710226000002630F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	HINGNA VILLAGE (NSOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU713	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	69	39	13	BDL
	MNU803	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	58	34	21	BDL
	MNU723	08-09-2026	RAINY SKY/LIGHT BREEZE	***	60	29	11	BDL
	MNU813	09-09-2026	RAINY SKY/LIGHT BREEZE	***	71	37	18	BDL
	MN676	15-09-2026	CLEAR/LIGHT BREEZE	***	60	32	10	BDL
	MN762	16-09-2026	CLEAR/LIGHT BREEZE	***	70	23	17	BDL
	MN688	22-09-2026	CLEAR/LIGHT BREEZE	***	56	33	14	BDL
	MN774	23-09-2026	CLEAR/LIGHT BREEZE	***	59	29	15	BDL

Reported by	Reviewed by	Approved by
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SINGORI OC

REPORT PARTICULARS

URN No.	TC710226000002631F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	DORLI VILLAGE (NSOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU715	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	72	34	11	BDL
	MNU805	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	70	37	20	BDL
	MNU725	08-09-2026	RAINY SKY/LIGHT BREEZE	***	76	31	10	BDL
	MNU815	09-09-2026	RAINY SKY/LIGHT BREEZE	***	68	39	14	BDL
	MNU734	15-09-2026	CLEAR/LIGHT BREEZE	***	63	35	15	BDL
	MNU824	16-09-2026	CLEAR/LIGHT BREEZE	***	61	23	13	BDL
	MNU744	22-09-2026	CLEAR/LIGHT BREEZE	***	64	33	12	BDL
	MNU834	23-09-2026	CLEAR/LIGHT BREEZE	***	56	29	17	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SINGORI OC

REPORT PARTICULARS

URN No.	TC710226000002632F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	SINGORI VILLAGE (NSOA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN652	03-09-2026	CLOUDYSKY/LIGHT BREEZE	***	60	32	16	BDL
	MN738	04-09-2026	CLOUDYSKY/LIGHT BREEZE	***	64	30	15	BDL
	MN664	10-09-2026	CLOUDYSKY/LIGHT BREEZE	***	55	28	10	BDL
	MN750	11-09-2026	CLOUDYSKY/LIGHT BREEZE	***	63	26	9	BDL
	MN676	17-09-2026	CLEAR/CALM	***	71	37	12	BDL
	MN762	18-09-2026	CLEAR/CALM	***	76	35	17	BDL
	MN688	24-09-2026	CLEAR/CALM	***	63	33	14	BDL
	MN774	25-09-2026	CLEAR/CALM	***	73	38	15	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	SINGORI OC

REPORT PARTICULARS

URN No.	TC710226000002633F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease
1	MINE WATER DISCHARGE	NSOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)
2	ETP DISCHARGE	NSOW2	**Range**	2-12	10-5000	40-400	4-400
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10
			Units		mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**
1	MN715	06-09-2026	16-09-2026 TO 15-10-2026	7.92	22	36	BDL
	MN801	20-09-2026	16-09-2026 TO 15-10-2026	7.86	28	24	BDL
2	MN720	06-09-2026	16-09-2026 TO 15-10-2026	7.98	24	44	BDL
	MN806	20-09-2026	16-09-2026 TO 15-10-2026	7.99	26	32	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	NAGPUR
Name of Project	SINGORI OC

REPORT PARTICULARS

URN No.	TC710226000002634F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CONTRACTOR CAMP	NSON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	SOHALI VILLAGE	NSON2	**Range**	20-130	20-130
3	DORLI VILLAGE	NSON3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
4	HINGNA VILLAGE	NSON4	**Units**	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MNU606	10-09-2026	CIOUDY SKY / CALM	59.1	57.4
	MNU693	22-09-2026	CIOUDY SKY / CALM	55.6	54.1
2	MNU620	10-09-2026	CIOUDY SKY / CALM	42.8	41.7
	MNU707	22-09-2026	CIOUDY SKY / CALM	43.6	42.7
3	MNU615	10-09-2026	CIOUDY SKY / CALM	42.6	41.7
	MNU702	22-09-2026	CIOUDY SKY / CALM	43.2	40.6
4	MNU623	10-09-2026	CIOUDY SKY / CALM	43.6	42.4
	MNU710	22-09-2026	CIOUDY SKY / CALM	40.3	39.6

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ENVIRONMENTAL MONITORING REPORT

WAGHODA UG

NAGPUR AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	WAGHODA - UG

REPORT PARTICULARS

URN No.	TC710226000002635F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE (NWUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN689	05-09-2026	CLOUDYSKY/LIGHT BREEZE	325	176	58	36	17
	MN775	19-09-2026	CLEAR/CALM	318	168	45	32	11

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	WAGHODA - UG

REPORT PARTICULARS

URN No.	TC710226000002636F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	COLONY WATER FILTER PLANT (NSNU3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MN643	01-09-2026	CLOUDYSKY/LIGHT BREEZE	***	58	36	18	BDL
	MN729	02-09-2026	CLOUDYSKY/LIGHT BREEZE	***	76	38	21	BDL
	MN655	08-09-2026	CLOUDYSKY/LIGHT BREEZE	***	73	39	14	BDL
	MN741	09-09-2026	CLOUDYSKY/LIGHT BREEZE	***	71	30	17	BDL
	MN667	15-09-2026	CLEAR/CALM	***	68	29	15	BDL
	MN753	16-09-2026	CLEAR/CALM	***	60	31	16	BDL
	MN679	22-09-2026	CLEAR/CALM	***	62	32	20	BDL
	MN765	23-09-2026	CLEAR/CALM	***	61	34	13	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	NAGPUR
Name of Project	WAGHODA - UG

REPORT PARTICULARS

URN No.	TC710226000002640F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease
1	MINE WATER DISCHARGE	NWUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)
			Range	2-12	10-5000	40-400	4-400
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10
			Units		mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**
1	MN714	05-09-2026	16-09-2026 TO 15-10-2026	8.05	20	16	BDL
	MN800	19-09-2026	16-09-2026 TO 15-10-2026	7.82	26	24	BDL

Reported by	Reviewed by	Approved by
R. ANNAPURNA (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	NAGPUR
Name of Project	WAGHODA - UG

REPORT PARTICULARS

URN No.	TC710226000002641F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	NEAR MANAGER OFFICE	NWUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	TRANSIT HOTEL	NWUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)
Sl. No.	**Sample Code**	**Date of Sampling**	**Environmental Conditions**	**Daytime**	**Night Time**
1	MNU607	10-09-2026	CLOUDY SKY / CALM	55.6	53.1
	MNU694	22-09-2026	CLOUDY SKY / CALM	56.5	55.4
2	MNU621	10-09-2026	CLOUDY SKY / CALM	45.6	43.1
	MNU708	22-09-2026	CLOUDY SKY / CALM	45.1	44.3

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

DINESH OC

UMRER AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	DINESH OCP

REPORT PARTICULARS

URN No.	TC710226000002769F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	NEAR RAILYWAY WEIGH BRIDGE (UM3OA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU758	06-09-2026	Clear sky/ Light breeze	278	180	52	18	BDL
	MNU848	20-09-2026	Cloudy sky/ Light breeze	262	160	48	22	BDL

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	DINESH OCP

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002770F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	PIPARDOL VILLAGE (UM3OA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC773	01-09-2026	Partially cloudy / Light breeze	***	87	38	18	12
	MUC860	02-09-2026	Partially cloudy / Light breeze	***	78	32	15	BDL
	MUC792	07-09-2026	Rain, partially cloudy/Light breeze	***	72	26	14	BDL
	MUC879	08-09-2026	Rain, partially cloudy/Light breeze	***	80	35	16	10
	MUC811	15-09-2026	Partially cloudy/ Light breeze	***	79	29	10	BDL
	MUC898	18-09-2026	Rain, partially cloudy/Light breeze	***	83	36	16	11
	MUC830	21-09-2026	Rain, partially cloudy/Light breeze	***	82	30	14	BDL
	MUC917	22-09-2026	Partially cloudy/ Light breeze	***	68	24	12	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	DINESH OCP

REPORT PARTICULARS

URN No.	TC710226000002771F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	WELSAKRA VILLAGE (UM3OA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC774	01-09-2026	Partially cloudy / Light breeze	***	72	29	10	BDL
	MUC861	02-09-2026	Partially cloudy / Light breeze	***	79	35	12	BDL
	MUC793	07-09-2026	Rain, partially cloudy/Light breeze	***	66	32	10	BDL
	MUC880	08-09-2026	Rain, partially cloudy/Light breeze	***	82	37	14	BDL
	MUC812	15-09-2026	Partially cloudy/ Light breeze	***	84	40	16	10
	MUC899	18-09-2026	Rain, partially cloudy/Light breeze	***	64	34	15	BDL
	MUC831	21-09-2026	Rain, partially cloudy/Light breeze	***	71	36	17	BDL
	MUC918	22-09-2026	Partially cloudy/ Light breeze	***	83	38	18	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	DINESH OCP

REPORT PARTICULARS

URN No.	TC710226000002772F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	SAIKI / SILO VILLAGE (UM3OA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC775	03-09-2026	Rain, partially cloudy/Light breeze	***	75	32	12	BDL
	MUC862	04-09-2026	Rain, partially cloudy/Light breeze	***	79	34	14	BDL
	MUC794	08-09-2026	Rain, partially cloudy/Light breeze	***	84	39	18	10
	MUC881	09-09-2026	Partially cloudy/ Light breeze	***	72	26	12	BDL
	MUC813	19-09-2026	Partially cloudy/ Light breeze	***	69	24	16	BDL
	MUC900	20-09-2026	Rain, partially cloudy/Light breeze	***	85	40	15	11
	MUC832	21-09-2026	Rain, partially cloudy/Light breeze	***	77	35	12	BDL
	MUC919	23-09-2026	Partially cloudy/ Light breeze	***	80	33	14	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	UMRER
Name of Project	DINESH OCP

REPORT PARTICULARS

URN No.	TC710226000002774F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease
1	MINE WATER DISCHARGE	UM3OW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)
2	ETP DISCHARGE	UM3OW2	**Range**	2-12	10-5000	40-400	4-400
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10
			Units		mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**
1	MNU770	08-09-2026	16-09-2026 TO 15-010-2026	7.51	34	24	BDL
	MNU860	20-09-2026	16-09-2026 TO 15-10-2026	7.24	38	16	BDL
2	MNU766	10-09-2026	16-09-2026 TO 15-10-2026	7.67	52	32	BDL
	MNU856	20-09-2026	16-09-2026 TO 15-10-2026	7.36	46	36	BDL

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TEST REPORT

Noise Level Monitoring Report

Name of Area	UMRER
Name of Project	DINESH OCP

REPORT PARTICULARS

URN No.	TC710226000002775F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	PIT OFFICE	UGON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	HEOTI VILLAGE	UM1ON3	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MUC793	03-09-2026	CLOUDY SKY/ LIGHT BREEZE	62.8	59.7
	MUC879	21-09-2026	CLOUDY SKY/ LIGHT BREEZE	63.4	60.3
2	MUC789	03-09-2026	CLOUDY SKY/ LIGHT BREEZE	45.2	39.9
	MUC875	21-09-2026	CLOUDY SKY/ LIGHT BREEZE	46.7	39.5

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ENVIRONMENTAL MONITORING REPORT

GOKUL OC

UMRER AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	GOKUL OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002776F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	CONTRACTOR CAMP (UGOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU762	07-09-2026	Clear sky/ Light breeze	288	189	54	18	11
	MNU852	21-09-2026	Cloudy sky/ Light breeze	324	215	63	23	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	GOKUL OC

REPORT PARTICULARS

URN No.	TC710226000002777F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	BESUR VILLAGE (UGOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC776	03-09-2026	Rain, partially cloudy/Light breeze	***	74	34	15	BDL
	MUC863	04-09-2026	Rain, partially cloudy/Light breeze	***	78	29	16	BDL
	MUC795	08-09-2026	Rain, partially cloudy/Light breeze	***	86	37	18	12
	MUC882	09-09-2026	Partially cloudy/ Light breeze	***	80	40	15	11
	MUC814	19-09-2026	Partially cloudy/ Light breeze	***	67	32	12	BDL
	MUC901	20-09-2026	Rain, partially cloudy/Light breeze	***	69	28	14	BDL
	MUC833	21-09-2026	Rain, partially cloudy/Light breeze	***	81	33	17	10
	MUC920	23-09-2026	Partially cloudy/ Light breeze	***	79	31	15	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	GOKUL OC

REPORT PARTICULARS

URN No.	TC710226000002778F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	NAND VILLAGE (UGOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC777	03-09-2026	Rain, partially cloudy/Light breeze	***	72	28	12	BDL
	MUC864	04-09-2026	Rain, partially cloudy/Light breeze	***	79	32	14	BDL
	MUC796	08-09-2026	Rain, partially cloudy/Light breeze	***	68	34	16	BDL
	MUC883	09-09-2026	Partially cloudy/ Light breeze	***	82	37	15	10
	MUC815	19-09-2026	Partially cloudy/ Light breeze	***	84	42	18	11
	MUC902	20-09-2026	Rain, partially cloudy/Light breeze	***	88	40	17	BDL
	MUC834	21-09-2026	Rain, partially cloudy/Light breeze	***	83	36	15	BDL
	MUC921	23-09-2026	Partially cloudy/ Light breeze	***	64	30	14	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	GOKUL OC

REPORT PARTICULARS

URN No.	TC710226000002779F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	POLGAON VILLAGE (UGOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC778	03-09-2026	Rain, partially cloudy/Light breeze	***	72	34	15	BDL
	MUC865	04-09-2026	Rain, partially cloudy/Light breeze	***	84	37	17	11
	MUC797	08-09-2026	Rain, partially cloudy/Light breeze	***	69	33	14	BDL
	MUC884	09-09-2026	Partially cloudy/ Light breeze	***	64	29	12	BDL
	MUC816	19-09-2026	Partially cloudy/ Light breeze	***	78	32	10	BDL
	MUC903	20-09-2026	Rain, partially cloudy/Light breeze	***	75	26	15	BDL
	MUC835	21-09-2026	Rain, partially cloudy/Light breeze	***	69	31	14	BDL
	MUC922	23-09-2026	Partially cloudy/ Light breeze	***	83	35	16	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	GOKUL OC

REPORT PARTICULARS

URN No.	TC710226000002780F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	NEAR VIEW POINT (UGOA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU761	07-09-2026	Clear sky/ Light breeze	277	165	52	17	11
	MNU851	21-09-2026	Cloudy sky/ Light breeze	318	201	64	22	10

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	UMRER
Name of Project	GOKUL OC

REPORT PARTICULARS

URN No.	TC710226000002781F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease
1	MINE WATER DISCHARGE	UGOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)
2	ETP (WORKSHOP)	UGOW2	**Range**	2-12	10-5000	40-400	4-400
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10
			Units		mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**
1	MNU769	10-09-2026	16-09-2026 TO 15-10-2026	7.63	52	32	BDL
	MNU859	21-09-2026	16-09-2026 TO 15-10-2026	7.08	38	36	BDL
2	MNU765	07-09-2026	16-09-2026 TO 15-10-2026	7.68	42	28	BDL
	MNU855	21-09-2026	16-09-2026 TO 15-10-2026	7.34	48	40	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	UMRER
Name of Project	GOKUL OC

REPORT PARTICULARS

URN No.	TC710226000002782F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	PIT OFFICE	UGON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	CONTRACTOR CAMP	UGON2	**Range**	20-130	20-130
3	POLGAON VILLAGE	UGON3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MUC794	03-09-2026	CLOUDY SKY/ LIGHT BREEZE	60.1	51.7
	MUC880	21-09-2026	CLOUDY SKY/ LIGHT BREEZE	58.3	50.1
2	MUC795	03-09-2026	CLOUDY SKY/ LIGHT BREEZE	58.3	52.3
	MUC881	21-09-2026	CLOUDY SKY/ LIGHT BREEZE	57.1	51.3
3	MUC790	03-09-2026	CLOUDY SKY/ LIGHT BREEZE	46.3	40.8
	MUC876	21-09-2026	CLOUDY SKY/ LIGHT BREEZE	47.2	41.6

Reported by	Reviewed by	Approved by
DR .JILLA SHANKAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENTAL MONITORING REPORT

MAKARDOKRA-I OC

UMRER AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-I OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002783F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	PIT OFFICE (UM1OA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU754	05-09-2026	Clear sky/ Light breeze	289	172	52	21	10
	MNU844	19-09-2026	Cloudy sky/ Light breeze	320	214	63	25	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-I OC

REPORT PARTICULARS

URN No.	TC710226000002784F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	KALMANA VILLAGE (UM1OA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC769	01-09-2026	Partially cloudy / Light breeze	***	75	37	14	BDL
	MUC856	02-09-2026	Partially cloudy / Light breeze	***	84	42	18	12
	MUC788	07-09-2026	Rain, partially cloudy/Light breeze	***	77	30	15	BDL
	MUC875	08-09-2026	Rain, partially cloudy/Light breeze	***	66	29	14	BDL
	MUC807	15-09-2026	Partially cloudy/ Light breeze	***	84	44	16	11
	MUC894	18-09-2026	Rain, partially cloudy/Light breeze	***	75	28	15	BDL
	MUC826	21-09-2026	Rain, partially cloudy/Light breeze	***	82	31	17	10
	MUC913	22-09-2026	Partially cloudy/ Light breeze	***	80	34	16	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-I OC

REPORT PARTICULARS

URN No.	TC710226000002785F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	SIRPUR VILLAGE (UM1OA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC770	01-09-2026	Partially cloudy / Light breeze	***	69	32	16	BDL
	MUC857	02-09-2026	Partially cloudy / Light breeze	***	74	40	15	12
	MUC789	07-09-2026	Rain, partially cloudy/Light breeze	***	70	35	17	10
	MUC876	08-09-2026	Rain, partially cloudy/Light breeze	***	68	28	14	BDL
	MUC808	15-09-2026	Partially cloudy/ Light breeze	***	82	34	18	12
	MUC895	18-09-2026	Rain, partially cloudy/Light breeze	***	84	37	17	BDL
	MUC827	21-09-2026	Rain, partially cloudy/Light breeze	***	86	42	16	11
	MUC914	22-09-2026	Partially cloudy/ Light breeze	***	78	29	15	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-I OC

REPORT PARTICULARS

URN No.	TC710226000002786F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	KHURSAPUR VILLAGE (UM1OA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC771	01-09-2026	Partially cloudy / Light breeze	***	72	34	9	BDL
	MUC858	02-09-2026	Partially cloudy / Light breeze	***	64	24	8	BDL
	MUC790	07-09-2026	Rain, partially cloudy/Light breeze	***	74	26	10	BDL
	MUC877	08-09-2026	Rain, partially cloudy/Light breeze	***	78	32	11	BDL
	MUC809	15-09-2026	Partially cloudy/ Light breeze	***	85	37	16	11
	MUC896	18-09-2026	Rain, partially cloudy/Light breeze	***	82	35	14	BDL
	MUC828	21-09-2026	Rain, partially cloudy/Light breeze	***	69	29	10	BDL
	MUC915	22-09-2026	Partially cloudy/ Light breeze	***	71	33	11	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-I OC

REPORT PARTICULARS

URN No.	TC710226000002787F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	HEOTI VILLAGE (UM1OA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC772	01-09-2026	Partially cloudy / Light breeze	***	85	40	12	BDL
	MUC859	02-09-2026	Partially cloudy / Light breeze	***	74	28	8	BDL
	MUC791	07-09-2026	Rain, partially cloudy/Light breeze	***	79	32	9	BDL
	MUC878	08-09-2026	Rain, partially cloudy/Light breeze	***	60	26	6	BDL
	MUC810	15-09-2026	Partially cloudy/ Light breeze	***	68	30	11	BDL
	MUC897	18-09-2026	Rain, partially cloudy/Light breeze	***	75	34	12	BDL
	MUC829	21-09-2026	Rain, partially cloudy/Light breeze	***	87	42	14	10
	MUC916	22-09-2026	Partially cloudy/ Light breeze	***	77	37	8	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-I OC

REPORT PARTICULARS

URN No.	TC710226000002788F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
6	SUBSTATION (UM1OA6)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU759	06-09-2026	Clear sky/ Light breeze	289	192	57	19	12
	MNU849	20-09-2026	Cloudy sky/ Light breeze	256	145	44	16	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-I OC

REPORT PARTICULARS

URN No.	TC710226000002789F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
7	PLR CAMP (UM1OA7)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU762	07-09-2026	Clear sky/ Light breeze	259	166	58	20	11
	MNU852	21-09-2026	Cloudy sky/ Light breeze	324	216	64	26	13

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TEST REPORT

Noise Level Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-I OC

TC-7102

REPORT PARTICULARS			
URN No.	TC710226000002790F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	PIT OFFICE	UM1ON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	SIRPUR VILLAGE	UM1ON2	**Range**	20-130	20-130
3	HEOTI VILLAGE	UM1ON3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
4	Near PLR Camp	UM1ON4	**Units**	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MUC797	03-09-2026	CLOUDY SKY/ LIGHT BREEZE	57.7	54.9
	MUC883	21-09-2026	CLOUDY SKY/ LIGHT BREEZE	56.5	53.8
2	MUC791	03-09-2026	CLOUDY SKY/ LIGHT BREEZE	48.9	42.6
	MUC877	21-09-2026	CLOUDY SKY/ LIGHT BREEZE	49.4	43.0
3	MUC789	03-09-2026	CLOUDY SKY/ LIGHT BREEZE	45.2	39.9
	MUC875	21-09-2026	CLOUDY SKY/ LIGHT BREEZE	46.7	39.5
4	MUC799	03-09-2026	CLOUDY SKY/ LIGHT BREEZE	59.3	54.1
	MUC878	21-09-2026	CLOUDY SKY/ LIGHT BREEZE	58.1	53.0

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

MAKARDOKRA-II OC

UMRER AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-II OC

REPORT PARTICULARS

URN No.	TC710226000002791F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	NEAR MANAGER OFFICE (UMOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU745	06-09-2026	Clear sky/ Light breeze	275	193	57	19	11
	MNU855	20-09-2026	Cloudy sky/ Light breeze	312	223	66	23	BDL

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-II OC

REPORT PARTICULARS

URN No.	TC710226000002792F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	UMRER TOWN (UMOA6)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU746	06-09-2026	Clear sky/ Light breeze	***	81	34	18	12
	MNU856	20-09-2026	Cloudy sky/ Light breeze	***	73	40	14	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-II OC

REPORT PARTICULARS

URN No.	TC710226000002793F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	KANWA VILLAGE (UUOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC779	03-09-2026	Rain, partially cloudy/Light breeze	***	74	29	16	BDL
	MUC866	04-09-2026	Rain, partially cloudy/Light breeze	***	68	32	17	BDL
	MUC798	08-09-2026	Rain, partially cloudy/Light breeze	***	72	34	12	BDL
	MUC885	09-09-2026	Partially cloudy/ Light breeze	***	80	36	14	BDL
	MUC817	19-09-2026	Partially cloudy/ Light breeze	***	82	40	18	12
	MUC904	20-09-2026	Rain, partially cloudy/Light breeze	***	85	42	16	10
	MUC836	21-09-2026	Rain, partially cloudy/Light breeze	***	87	35	15	11
	MUC923	23-09-2026	Partially cloudy/ Light breeze	***	83	31	17	BDL

Reported by	Reviewed by	Approved by
DR.JILLA SHANKAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-II OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002794F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	NEAR PUMP HOUSE COLONY (UUOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC780	03-09-2026	Rain, partially cloudy/Light breeze	***	85	37	16	BDL
	MUC867	04-09-2026	Rain, partially cloudy/Light breeze	***	82	40	12	BDL
	MUC799	08-09-2026	Rain, partially cloudy/Light breeze	***	87	35	18	11
	MUC886	09-09-2026	Partially cloudy/ Light breeze	***	79	28	14	BDL
	MUC818	19-09-2026	Partially cloudy/ Light breeze	***	64	24	15	BDL
	MUC905	20-09-2026	Rain, partially cloudy/Light breeze	***	68	31	12	BDL
	MUC837	21-09-2026	Rain, partially cloudy/Light breeze	***	83	34	14	10
	MUC924	23-09-2026	Partially cloudy/ Light breeze	***	80	36	13	BDL

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-II OC

REPORT PARTICULARS

URN No.	TC710226000002795F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	GHOTURLI VILLAGE (UUOA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC781	03-09-2026	Rain, partially cloudy/Light breeze	***	68	34	9	BDL
	MUC868	04-09-2026	Rain, partially cloudy/Light breeze	***	64	24	8	BDL
	MUC800	08-09-2026	Rain, partially cloudy/Light breeze	***	75	26	7	BDL
	MUC887	09-09-2026	Partially cloudy/ Light breeze	***	79	34	10	BDL
	MUC819	19-09-2026	Partially cloudy/ Light breeze	***	82	35	14	BDL
	MUC906	20-09-2026	Rain, partially cloudy/Light breeze	***	84	30	16	10
	MUC838	21-09-2026	Rain, partially cloudy/Light breeze	***	86	38	15	11
	MUC925	23-09-2026	Partially cloudy/ Light breeze	***	90	40	18	12

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA-II OC

REPORT PARTICULARS

URN No.	TC710226000002797F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	PIT OFFICE	UMON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
			Range	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)
Sl. No.	**Sample Code**	**Date of Sampling**	**Environmental Conditions**	**Daytime**	**Night Time**
1	MUC796	03-09-2026	CLOUDY SKY/ LIGHT BREEZE	57.3	52.4
	MUC882	21-09-2026	CLOUDY SKY/ LIGHT BREEZE	55.6	50.8

Reported by	Reviewed by	Approved by
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DRINKING WATER QUALITY REPORT

UMRER AREA

JOB NUMBER: 4094423060

JULY 2026 TO SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	UMRER
Name of Project	UMRER OC

REPORT PARTICULARS

URN No.	TC71022600002912F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT			**Date of Sampling**	07-07-2026	
Sl No	**Parameters**	**Unit**	**Range**		**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.14**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**148**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**130**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.142**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**332**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**41.6**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**10.69**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**31.24**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**2.32**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**96**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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सीएमपीडीआई मिनी रत्न cmpdi Mini Ratna

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	UMRER
Name of Project	GOKUL OC

REPORT PARTICULARS

URN No.	TC71022600002913F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	07-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**4**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.69**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**176**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**88**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.359**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**382**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**12.8**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**34.99**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**70.6**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**18.45**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**256**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	UMRER
Name of Project	DINESH OC

REPORT PARTICULARS

URN No.	TC710226000002914F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	07-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**4**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.93**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**204**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**74**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.172**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**344**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**40**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**11.66**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**38.95**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**3.11**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**88**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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Note 3: BDL denotes Below Detection Limit

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	UMRER
Name of Project	MAKARDHOKRA - I OC

REPORT PARTICULARS

URN No.	TC71022600002915F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT			**Date of Sampling**	07-07-2026	
Sl No	**Parameters**	**Unit**	**Range**	**Test Method**	**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**4**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.51**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**720**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**58**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.475**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**1015**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**155.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**80.67**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.42**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.57**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**71.66**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**17.42**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.049**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**0.040**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**116**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

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Note 3: BDL denotes Below Detection Limit

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ENVIRONMENTAL MONITORING REPORT

UMRER OC

UMRER AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	UMRER OC

REPORT PARTICULARS

URN No.	TC710226000002798F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	NEAR MANAGER OFFICE (UMOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU752	05-09-2026	Clear sky/ Light breeze	264	189	57	19	10
	MNU842	19-09-2026	Cloudy sky/ Light breeze	342	227	66	25	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	UMRER OC

REPORT PARTICULARS

URN No.	TC710226000002799F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	NEAR WORKSHOP (UMOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU753	05-09-2026	Clear sky/ Light breeze	256	167	57	20	11
	MNU843	19-09-2026	Cloudy sky/ Light breeze	310	196	67	26	13

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	UMRER OC

REPORT PARTICULARS

URN No.	TC710226000002800F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	KANWA VILLAGE (UUOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC779	03-09-2026	Rain, partially cloudy/Light breeze	***	74	29	16	BDL
	MUC866	04-09-2026	Rain, partially cloudy/Light breeze	***	68	32	17	BDL
	MUC798	08-09-2026	Rain, partially cloudy/Light breeze	***	72	34	12	BDL
	MUC885	09-09-2026	Partially cloudy/ Light breeze	***	80	36	14	BDL
	MUC817	19-09-2026	Partially cloudy/ Light breeze	***	82	40	18	12
	MUC904	20-09-2026	Rain, partially cloudy/Light breeze	***	85	42	16	10
	MUC836	21-09-2026	Rain, partially cloudy/Light breeze	***	87	35	15	11
	MUC923	23-09-2026	Partially cloudy/ Light breeze	***	83	31	17	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	UMRER OC

REPORT PARTICULARS

URN No.	TC710226000002801F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	NEAR PUMP HOUSE COLONY (UUOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC780	03-09-2026	Rain, partially cloudy/Light breeze	***	85	37	16	BDL
	MUC867	04-09-2026	Rain, partially cloudy/Light breeze	***	82	40	12	BDL
	MUC799	08-09-2026	Rain, partially cloudy/Light breeze	***	87	35	18	11
	MUC886	09-09-2026	Partially cloudy/ Light breeze	***	79	28	14	BDL
	MUC818	19-09-2026	Partially cloudy/ Light breeze	***	64	24	15	BDL
	MUC905	20-09-2026	Rain, partially cloudy/Light breeze	***	68	31	12	BDL
	MUC837	21-09-2026	Rain, partially cloudy/Light breeze	***	83	34	14	10
	MUC924	23-09-2026	Partially cloudy/ Light breeze	***	80	36	13	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	UMRER OC

REPORT PARTICULARS

URN No.	TC710226000002802F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	GHOTURLI VILLAGE (UUOA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MUC781	03-09-2026	Rain, partially cloudy/Light breeze	***	68	34	9	BDL
	MUC868	04-09-2026	Rain, partially cloudy/Light breeze	***	64	24	8	BDL
	MUC800	08-09-2026	Rain, partially cloudy/Light breeze	***	75	26	7	BDL
	MUC887	09-09-2026	Partially cloudy/ Light breeze	***	79	34	10	BDL
	MUC819	19-09-2026	Partially cloudy/ Light breeze	***	82	35	14	BDL
	MUC906	20-09-2026	Rain, partially cloudy/Light breeze	***	84	30	16	10
	MUC838	21-09-2026	Rain, partially cloudy/Light breeze	***	86	38	15	11
	MUC925	23-09-2026	Partially cloudy/ Light breeze	***	90	40	18	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	UMRER
Name of Project	UMRER OC

REPORT PARTICULARS

URN No.	TC710226000002803F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
6	UMRER TOWN (UUOA6)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNU746	06-09-2026	Clear sky/ Light breeze	***	81	34	18	12
	MNU856	20-09-2026	Cloudy sky/ Light breeze	***	73	40	14	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	UMRER
Name of Project	UMRER OC

REPORT PARTICULARS

URN No.	TC710226000002806F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	UUOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	UUOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	STP	UUOW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l

Sl. No.	Sample Code	Date of Sampling	Date of Testing	pH	TSS	COD	Oil & Grease	BOD
1	MNU771	08-09-2026	16-09-2026 TO 15-010-2026	7.23	38	32	BDL	***
	MNU861	20-09-2026	16-09-2026 TO 15-10-2026	7.05	46	40	BDL	***
2	MNU767	09-09-2026	16-09-2026 TO 15-10-2026	7.7	52	24	BDL	***
	MNU857	20-09-2026	16-09-2026 TO 15-10-2026	7.26	56	20	BDL	***
3	MNU763	10-09-2026	16-09-2026 TO 15-10-2026	***	34	***	***	11.6
	MNU853	20-09-2026	16-09-2026 TO 15-10-2026	***	32	***	***	10.4

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	UMRER
Name of Project	UMRER OC

REPORT PARTICULARS

URN No.	TC710226000002807F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	UUON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY	UUON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MUC798	03-09-2026	CLOUDY SKY/ LIGHT BREEZE	66.9	65.4
	MUC884	21-09-2026	CLOUDY SKY/ LIGHT BREEZE	68.2	66.7
2	MUC792	03-09-2026	CLOUDY SKY/ LIGHT BREEZE	47.6	41.8
	MUC878	21-09-2026	CLOUDY SKY/ LIGHT BREEZE	47.1	41.4

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

GHUGUS OC

WANI AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	GHUGUS OC

REPORT PARTICULARS

URN No.	TC710226000002808F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	ACC PATCH NEAR ACC COLONY (WGOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-1041	05-09-2026	CLOUDY/LIGHTBREEZE	341	205	61	23	11
	MW-1145	19-09-2026	CLEAR/CALM	324	196	64	25	12

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	GHUGUS OC

REPORT PARTICULARS

URN No.	TC710226000002809F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SAM OFFICE (WGOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-1042	05-09-2026	CLOUDY/LIGHTBREEZE	305	210	59	24	11
	MW-1146	19-09-2026	CLEAR/CALM	334	234	64	26	13

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	GHUGUS OC

REPORT PARTICULARS

URN No.	TC710226000002810F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	RAM NAGAR COLONY (WGOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-973	01-09-2026	CLEAR/CALM	***	89	34	16	11
	MW-1077	02-09-2026	CLEAR/CALM	***	75	46	14	BDL
	MW-990	08-09-2026	CLEAR/CALM	***	81	37	15	BDL
	MW-1094	09-09-2026	CLEAR/CALM	***	72	32	16	12
	MW-1007	15-09-2026	CLEAR/CALM	***	84	40	14	BDL
	MW-1111	16-09-2026	CLEAR/CALM	***	74	34	15	BDL
	MW-1024	22-09-2026	CLOUDY/LIGHTBREEZE	***	83	41	16	10
	MW-1128	23-09-2026	CLOUDY/LIGHTBREEZE	***	80	34	14	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	GHUGUS OC

REPORT PARTICULARS

URN No.	TC710226000002811F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	GHUGUS VILLAGE (GP OFFICE) (WGOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-974	01-09-2026	CLEAR/CALM	***	81	35	16	BDL
	MW-1078	02-09-2026	CLEAR/CALM	***	73	44	17	11
	MW-991	08-09-2026	CLEAR/CALM	***	64	30	18	10
	MW-1095	09-09-2026	CLEAR/CALM	***	84	38	16	BDL
	MW-1008	15-09-2026	CLEAR/CALM	***	78	41	17	BDL
	MW-1112	16-09-2026	CLEAR/CALM	***	91	32	18	10
	MW-1025	22-09-2026	CLOUDY/LIGHTBREEZE	***	88	41	16	BDL
	MW-1129	23-09-2026	CLOUDY/LIGHTBREEZE	***	75	35	18	11

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TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI
Name of Project	GHUGUS OC

REPORT PARTICULARS

URN No.	TC710226000002814F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	WGON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY GHUGUS	WGON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MW1067	09-09-2026	CLOUDY / CALM	68.5	67.3
	MW1171	20-09-2026	CLOUDY / CALM	69.8	67.8
2	MW1074	09-09-2026	CLOUDY / CALM	45.4	44.3
	MW1178	20-09-2026	CLOUDY / CALM	46.3	45.4

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ENVIRONMENTAL MONITORING REPORT

KOLGAON OC

WANI AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	KOLGAON OC

REPORT PARTICULARS

URN No.	TC710226000002815F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE (WKOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-1043	05-09-2026	CLOUDY/LIGHTBREEZE	328	209	59	22	10
	MW-1147	19-09-2026	CLEAR/CALM	295	186	64	26	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	KOLGAON OC

REPORT PARTICULARS

URN No.	TC710226000002816F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SAM OFFICE (WMOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-1045	05-09-2026	CLOUDY/LIGHTBREEZE	289	196	56	21	12
	MW-1149	19-09-2026	CLEAR/CALM	343	207	64	26	13

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	KOLGAON OC

REPORT PARTICULARS

URN No.	TC710226000002817F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	KOLGAON VILLAGE (WKOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-979	01-09-2026	CLEAR/CALM	***	86	34	16	12
	MW-1083	02-09-2026	CLEAR/CALM	***	75	43	14	BDL
	MW-996	08-09-2026	CLEAR/CALM	***	91	38	18	BDL
	MW-1100	09-09-2026	CLEAR/CALM	***	82	42	16	BDL
	MW-1013	15-09-2026	CLEAR/CALM	***	72	33	15	11
	MW-1117	16-09-2026	CLEAR/CALM	***	83	38	17	10
	MW-1030	22-09-2026	CLOUDY/LIGHTBREEZE	***	72	29	16	BDL
	MW-1134	23-09-2026	CLOUDY/LIGHTBREEZE	***	69	32	18	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	KOLGAON OC

REPORT PARTICULARS

URN No.	TC710226000002818F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	KAILASHNAGAR TOWNSHIP - FILTER PLANT (WMOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-980	01-09-2026	CLEAR/CALM	***	83	33	15	BDL
	MW-1084	02-09-2026	CLEAR/CALM	***	72	42	18	11
	MW-997	08-09-2026	CLEAR/CALM	***	91	38	17	10
	MW-1101	09-09-2026	CLEAR/CALM	***	68	31	16	BDL
	MW-1014	15-09-2026	CLEAR/CALM	***	74	37	14	BDL
	MW-1118	16-09-2026	CLEAR/CALM	***	82	39	15	BDL
	MW-1031	22-09-2026	CLOUDY/LIGHTBREEZE	***	69	42	16	12
	MW-1135	23-09-2026	CLOUDY/LIGHTBREEZE	***	86	38	15	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	WANI
Name of Project	KOLGAON OC

REPORT PARTICULARS

URN No.	TC710226000002820F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	WKOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MW1055	09-09-2026	16-09-2026 TO 15-10-2026	8.03	48	40	BDL	***
	MW-1162	19-09-2026	16-09-2026 TO 15-10-2026	7.96	38	28	BDL	***

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TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI
Name of Project	KOLGAON OC

REPORT PARTICULARS

URN No.	TC710226000002821F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE	WKON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY MUNGOLI	WKON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MW1068	09-09-2026	CLOUDY / CALM	53.1	52.3
	MW1172	20-09-2026	CLOUDY / CALM	52.9	51.4
2	MW1075	09-09-2026	CLOUDY / CALM	45.5	44.3
	MW1179	20-09-2026	CLOUDY / CALM	45.7	44.8

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ENVIRONMENTAL MONITORING REPORT

MUGOLI OC

WANI AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	MUGOLI OC

REPORT PARTICULARS

URN No.	TC710226000002822F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SUBSTATION (WMOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-1044	05-09-2026	CLOUDY/LIGHTBREEZE	327	209	63	25	11
	MW-1148	19-09-2026	CLEAR/CALM	302	189	59	21	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	MUGOLI OC

REPORT PARTICULARS

URN No.	TC710226000002823F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SAM OFFICE (WMOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-1045	05-09-2026	CLOUDY/LIGHTBREEZE	289	196	56	21	12
	MW-1149	19-09-2026	CLEAR/CALM	343	207	64	26	13

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	MUGOLI OC

REPORT PARTICULARS

URN No.	TC710226000002824F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	KAILASHNAGAR TOWNSHIP - FILTER PLANT (WMOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-980	01-09-2026	CLEAR/CALM	***	83	33	15	BDL
	MW-1084	02-09-2026	CLEAR/CALM	***	72	42	18	11
	MW-997	08-09-2026	CLEAR/CALM	***	91	38	17	10
	MW-1101	09-09-2026	CLEAR/CALM	***	68	31	16	BDL
	MW-1014	15-09-2026	CLEAR/CALM	***	74	37	14	BDL
	MW-1118	16-09-2026	CLEAR/CALM	***	82	39	15	BDL
	MW-1031	22-09-2026	CLOUDY/LIGHTBREEZE	***	69	42	16	12
	MW-1135	23-09-2026	CLOUDY/LIGHTBREEZE	***	86	38	15	BDL

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	MUGOLI OC

REPORT PARTICULARS

URN No.	TC710226000002825F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	TUBEWELL NEAR SAKHARA VILLAGE (WMOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-983	03-09-2026	RAINY/MODERATE BREEZE	***	79	41	16	BDL
	MW-1087	04-09-2026	RAINY/MODERATE BREEZE	***	82	38	17	10
	MW-1000	10-09-2026	RAINY/MODERATE BREEZE	***	93	44	15	BDL
	MW-1104	11-09-2026	RAINY/MODERATE BREEZE	***	76	40	16	BDL
	MW-1017	17-09-2026	RAINY/MODERATE BREEZE	***	67	34	17	11
	MW-1121	18-09-2026	RAINY/MODERATE BREEZE	***	82	42	16	BDL
	MW-1034	24-09-2026	CLOUDY/LIGHTBREEZE	***	80	34	17	12
	MW-1138	25-09-2026	CLOUDY/LIGHTBREEZE	***	81	35	16	10

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	ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR
TC-7102	**TEST REPORT**
	Wastewater Quality Monitoring Report
Name of Area	WANI
Name of Project	MUGOLI OC

REPORT PARTICULARS			
URN No.	TC710226000002827F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	WMOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	WMOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MW-1056	08-09-2026	16-09-2026 TO 15-10-2026	8.15	44	36	BDL	***
	MW-1160	20-09-2026	16-09-2026 TO 15-10-2026	7.83	48	32	BDL	***
2	MW-1061	08-09-2026	16-09-2026 TO 15-10-2026	7.94	52	40	BDL	***
	MW-1165	20-09-2026	16-09-2026 TO 15-10-2026	7.79	46	28	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI
Name of Project	MUGOLI OC

REPORT PARTICULARS

URN No.	TC710226000002828F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	WKON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY MUNGOLI	WMON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MW1069	09-09-2026	CLOUDY / CALM	67.9	66.4
	MW1173	20-09-2026	CLOUDY / CALM	67.6	66.4
2	MW1075	09-09-2026	CLOUDY / CALM	45.5	44.3
	MW1179	20-09-2026	CLOUDY / CALM	45.7	44.8

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ENVIRONMENTAL MONITORING REPORT

NAIGAON OC

WANI AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	NAIGAON OC

REPORT PARTICULARS

URN No.	TC710226000002829F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SAM OFFICE (WNGOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-1046	06-09-2026	CLEAR/CALM	339	229	64	23	12
	MW-1150	20-09-2026	CLEAR/CALM	307	197	58	21	10

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	NAIGAON OC

REPORT PARTICULARS

URN No.	TC710226000002830F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	WORKSHOP ETP NOCM (WNOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-1048	06-09-2026	CLEAR/CALM	289	176	59	21	11
	MW-1152	20-09-2026	CLEAR/CALM	337	207	64	26	10

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	NAIGAON OC

REPORT PARTICULARS

URN No.	TC710226000002831F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	BELLORA REHABILITATION VILLAGE (WNGOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-976	01-09-2026	CLEAR/CALM	***	85	42	18	11
	MW-1080	02-09-2026	CLEAR/CALM	***	76	37	16	BDL
	MW-993	08-09-2026	CLEAR/CALM	***	69	30	17	10
	MW-1097	09-09-2026	CLEAR/CALM	***	81	41	15	BDL
	MW-1010	15-09-2026	CLEAR/CALM	***	73	33	16	BDL
	MW-1114	16-09-2026	CLEAR/CALM	***	84	44	17	10
	MW-1027	22-09-2026	CLOUDY/LIGHTBREEZE	***	81	38	16	BDL
	MW-1131	23-09-2026	CLOUDY/LIGHTBREEZE	***	74	40	15	10

Reported by	Reviewed by	Approved by
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	NAIGAON OC

REPORT PARTICULARS

URN No.	TC710226000002832F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	FILTER PLANT NEAR VIP GUEST HOUSE (WNGOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-977	01-09-2026	CLEAR/CALM	***	79	33	15	12
	MW-1081	02-09-2026	CLEAR/CALM	***	84	41	14	BDL
	MW-994	08-09-2026	CLEAR/CALM	***	68	30	17	BDL
	MW-1098	09-09-2026	CLEAR/CALM	***	76	41	18	10
	MW-1011	15-09-2026	CLEAR/CALM	***	71	35	16	BDL
	MW-1115	16-09-2026	CLEAR/CALM	***	88	42	15	10
	MW-1028	22-09-2026	CLOUDY/LIGHTBREEZE	***	76	37	18	BDL
	MW-1132	23-09-2026	CLOUDY/LIGHTBREEZE	***	69	40	16	10

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	WANI
Name of Project	NAIGAON OC

REPORT PARTICULARS

URN No.	TC710226000002834F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	WNGOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	WNGOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MW-1057	11-09-2026	16-09-2026 TO 15-10-2026	11.66	36	28	BDL	***
	MW-1162	20-09-2026	16-09-2026 TO 15-10-2026	7.3	48	40	BDL	***
2	MW-1062	11-09-2026	16-09-2026 TO 15-10-2026	8.36	42	36	BDL	***
	MW-1162	20-09-2026	16-09-2026 TO 15-10-2026	7.85	56	44	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI
Name of Project	NAIGAON OC

REPORT PARTICULARS

URN No.	TC710226000002835F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	WNGON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY GHUGUS	WNGON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MW1070	09-09-2026	CLOUDY / CALM	67.6	66.2
	MW1174	20-09-2026	CLOUDY / CALM	66.3	65.5
2	MW1074	09-09-2026	CLOUDY / CALM	45.4	44.3
	MW1178	20-09-2026	CLOUDY / CALM	46.3	45.4

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ENVIRONMENTAL MONITORING REPORT

NILJAI DEEP OC

WANI AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	NILJAI DEEP OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002836F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	CIVIL OFFICE- NILJAI (WNOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-1047	06-09-2026	CLEAR/CALM	337	211	59	25	12
	MW-1151	20-09-2026	CLEAR/CALM	308	207	66	22	11

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	NILJAI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002837F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	WORKSHOP ETP NOCM (WNOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-1048	06-09-2026	CLEAR/CALM	289	176	59	21	11
	MW-1152	20-09-2026	CLEAR/CALM	337	207	64	26	10

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	NILJAI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002838F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	NILJAI COLONY (WNOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-975	01-09-2026	CLEAR/CALM	***	75	35	16	10
	MW-1079	02-09-2026	CLEAR/CALM	***	82	46	14	BDL
	MW-992	08-09-2026	CLEAR/CALM	***	66	30	15	BDL
	MW-1096	09-09-2026	CLEAR/CALM	***	73	41	17	11
	MW-1009	15-09-2026	CLEAR/CALM	***	76	37	18	BDL
	MW-1113	16-09-2026	CLEAR/CALM	***	88	38	16	BDL
	MW-1026	22-09-2026	CLOUDY/LIGHTBREEZE	***	91	42	15	BDL
	MW-1130	23-09-2026	CLOUDY/LIGHTBREEZE	***	76	35	15	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	NILJAI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002839F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	TARODA VILLAGE (WNOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-978	01-09-2026	CLEAR/CALM	***	81	41	16	BDL
	MW-1082	02-09-2026	CLEAR/CALM	***	76	35	17	12
	MW-995	08-09-2026	CLEAR/CALM	***	83	42	18	BDL
	MW-1099	09-09-2026	CLEAR/CALM	***	67	33	16	BDL
	MW-1012	15-09-2026	CLEAR/CALM	***	76	33	18	10
	MW-1116	16-09-2026	CLEAR/CALM	***	70	29	15	BDL
	MW-1029	22-09-2026	CLOUDY/LIGHTBREEZE	***	83	43	18	11
	MW-1133	23-09-2026	CLOUDY/LIGHTBREEZE	***	79	30	16	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	WANI
Name of Project	NILJAI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002841F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	WNOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	WNOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	STP	WNOW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MW-1058	10-09-2026	16-09-2026 TO 15-10-2026	8.43	48	36	BDL	***
	MW-1162	20-09-2026	16-09-2026 TO 15-10-2026	8.24	42	44	BDL	***
2	MW-1063	10-09-2026	16-09-2026 TO 15-10-2026	8.02	56	32	BDL	***
	MW-1167	20-09-2026	16-09-2026 TO 15-10-2026	7.96	50	40	BDL	***
3	MW-1066	10-09-2026	16-09-2026 TO 15-10-2026	***	68	***	***	11.4
	MW-1170	20-09-2026	16-09-2026 TO 15-10-2026	***	76	***	***	10.8

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TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI
Name of Project	NILJAI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002842F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP-NILJAI	WNON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	CHP-NILJAI (S)	WNON2	**Range**	20-130	20-130
3	COLONY (NILJAI)	WNON3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MW1071	09-09-2026	CLOUDY / CALM	68.5	67.3
	MW1175	20-09-2026	CLOUDY / CALM	67.9	66.4
2	MW1072	09-09-2026	CLOUDY / CALM	67.4	66.4
	MW1176	20-09-2026	CLOUDY / CALM	66.3	65.3
3	MW1076	09-09-2026	CLOUDY / CALM	45.0	44.1
	MW1180	20-09-2026	CLOUDY / CALM	45.5	44.3

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ENVIRONMENTAL MONITORING REPORT

PENGANGA OC

WANI AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	PENGANGA OC

REPORT PARTICULARS

URN No.	TC710226000002843F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE (WPOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-1049	06-09-2026	CLEAR/CALM	342	196	59	25	12
	MW-1154	20-09-2026	CLEAR/CALM	312	214	64	23	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	PENGANGA OC

REPORT PARTICULARS

URN No.	TC710226000002844F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SAM OFFICE (WPOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-1050	06-09-2026	CLEAR/CALM	321	205	64	25	11
	MW-1154	20-09-2026	CLEAR/CALM	289	196	59	22	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	PENGANGA OC

REPORT PARTICULARS

URN No.	TC710226000002845F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	VIRUR VILLAGE (WPOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-981	01-09-2026	CLEAR/CALM	***	84	35	16	10
	MW-1085	02-09-2026	CLEAR/CALM	***	75	46	15	BDL
	MW-998	08-09-2026	CLEAR/CALM	***	87	42	18	11
	MW-1102	09-09-2026	CLEAR/CALM	***	76	38	17	10
	MW-1015	15-09-2026	CLEAR/CALM	***	76	29	16	BDL
	MW-1119	16-09-2026	CLEAR/CALM	***	85	37	17	BDL
	MW-1032	22-09-2026	CLOUDY/LIGHTBREEZE	***	69	35	18	10
	MW-1136	23-09-2026	CLOUDY/LIGHTBREEZE	***	76	32	16	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI
Name of Project	PENGANGA OC

REPORT PARTICULARS

URN No.	TC710226000002846F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	GADEGAON VILLAGE (WPOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW-982	03-09-2026	RAINY/MODERATE BREEZE	****	84	42	16	BDL
	MW-1086	04-09-2026	RAINY/MODERATE BREEZE	****	76	38	17	12
	MW-999	10-09-2026	RAINY/MODERATE BREEZE	****	82	42	15	BDL
	MW-1103	11-09-2026	RAINY/MODERATE BREEZE	****	67	35	18	10
	MW-1016	17-09-2026	RAINY/MODERATE BREEZE	****	75	34	16	BDL
	MW-1120	18-09-2026	RAINY/MODERATE BREEZE	****	73	33	17	11
	MW-1033	24-09-2026	CLOUDY/LIGHTBREEZE	****	84	40	15	BDL
	MW-1137	25-09-2026	CLOUDY/LIGHTBREEZE	****	76	37	16	12

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	WANI
Name of Project	PENGANGA OC

REPORT PARTICULARS

URN No.	TC710226000002848F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	WPOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	WPOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MW-1059	10-09-2026	16-09-2026 TO 15-10-2026	7.77	46	32	BDL	***
	MW-1163	20-09-2026	16-09-2026 TO 15-10-2026	7.82	54	40	BDL	***
2	MW-1064	10-09-2026	16-09-2026 TO 15-10-2026	7.78	50	36	BDL	***
	MW-1168	20-09-2026	16-09-2026 TO 15-10-2026	7.8	42	28	BDL	***

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI
Name of Project	PENGANGA OC

REPORT PARTICULARS

URN No.	TC710226000002849F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	NEAR WORKSHOP	WPON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
			Range	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MW1073	09-09-2026	CLOUDY / CALM	57.3	56.4
	MW1177	20-09-2026	CLOUDY / CALM	56.3	54.2

Reported by	Reviewed by	Approved by
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DRINKING WATER QUALITY REPORT

WANI AREA

JOB NUMBER: 4094423060

JULY 2026 TO SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	WANI
Name of Project	NILJAI DEEP OC

REPORT PARTICULARS

URN No.	TC71022600002927F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	09-07-2026

Sl No	Parameters	Unit	Range		Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.68**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**256**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**244**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**0.03**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.73**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**788**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**30.4**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**43.74**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.062**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**102**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**12.13**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.053**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**256**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
PRASHANT SOMKUWAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

TC-7102

Name of Area	WANI
Name of Project	MUGOLI OC

REPORT PARTICULARS

URN No.	TC71022600002928F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	09-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.89**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**208**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**14**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**0.06**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.82**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**388**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**57.6**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**15.55**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**76**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**11.22**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**88**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
PRASHANT SOMKUWAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	WANI
Name of Project	GHUGUS OC

REPORT PARTICULARS

URN No.	TC71022600002929F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	TRANSIT HOSTEL	**Date of Sampling**	09-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.77**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**52**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**14**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**0.03**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.63**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**138**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**12.8**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**4.86**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**22**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**7.82**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**60**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
PRASHANT SOMKUWAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	WANI
Name of Project	GHUGUS OC

REPORT PARTICULARS

URN No.	TC71022600002930F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	09-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.64**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**188**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**28**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**0.04**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.62**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**402**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**46.4**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**17.49**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**83**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**11.21**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**76**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	WANI
Name of Project	PENGANGA OC

REPORT PARTICULARS

URN No.	TC71022600002931F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	09-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.95**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**196**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**46**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**0.04**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.73**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**436**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**46.4**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**19.44**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**104**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**13.27**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**92**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
PRASHANT SOMKUWAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENTAL MONITORING REPORT

GHONSA OC

WANI NORTH AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	GHONSA OC

REPORT PARTICULARS

URN No.	TC710226000002850F	**Date of Issue**	25-09-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	PROJECT MANAGER OFFICE (WNGOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1167	05-09-2026	CLEAR SKY / LIGHT BREEZE	298	174	46	18	12
	MWNM1286	19-09-2026	CLEAR SKY / LIGHT BREEZE	315	213	59	24	15

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	GHONSA OC

REPORT PARTICULARS

URN No.	TC710226000002851F	**Date of Issue**	25-09-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	KUMBHARKHANI VILLAGE		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1118	03-09-2026	RAINY SKY / LIGHT BREEZE	***	58	23	10	BDL
	MWNM1237	04-09-2026	RAINY SKY / LIGHT BREEZE	***	47	19	12	BDL
	MWNM1134	10-09-2026	CLEAR SKY / LIGHT BREEZE	***	76	29	9	BDL
	MWNM1253	11-09-2026	CLEAR SKY / LIGHT BREEZE	***	70	30	11	BDL
	MWNM1150	17-09-2026	CLEAR SKY / LIGHT BREEZE	***	84	37	8	BDL
	MWNM1269	18-09-2026	RAINY SKY / LIGHT BREEZE	***	51	22	10	BDL
	MWNM1166	24-09-2026	CLEAR SKY / LIGHT BREEZE	***	68	24	13	BDL
	MWNM1285	25-09-2026	RAINY SKY / LIGHT BREEZE	***	42	14	9	BDL
				***				
				***				

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	GHONSA OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002852F	**Date of Issue**	25-09-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	GHONSA VILLAGE (WNGOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1113	03-09-2026	RAINY SKY / LIGHT BREEZE	***	48	18	8	BDL
	MWNM1232	04-09-2026	RAINY SKY / LIGHT BREEZE	***	56	20	9	BDL
	MWNM1129	10-09-2026	CLEAR SKY / LIGHT BREEZE	***	82	37	12	BDL
	MWNM1248	11-09-2026	CLEAR SKY / LIGHT BREEZE	***	75	28	14	BDL
	MWNM1145	17-09-2026	CLEAR SKY / LIGHT BREEZE	***	78	36	10	BDL
	MWNM1246	18-09-2026	RAINY SKY / LIGHT BREEZE	***	45	22	11	BDL
	MWNM1161	24-09-2026	CLEAR SKY / LIGHT BREEZE	***	70	32	9	BDL
	MWNM1280	25-09-2026	RAINY SKY / LIGHT BREEZE	***	51	19	7	BDL
				***				
				***				

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	GHONSA OC

REPORT PARTICULARS

URN No.	TC710226000002853F	**Date of Issue**	25-09-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	GUEST HOUSE/ COLONY (WNGOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1114	03-09-2026	RAINY SKY / LIGHT BREEZE	***	49	16	9	BDL
	MWNM1233	04-09-2026	RAINY SKY / LIGHT BREEZE	***	57	22	7	BDL
	MWNM1130	10-09-2026	CLEAR SKY / LIGHT BREEZE	***	84	37	12	BDL
	MWNM1249	11-09-2026	CLEAR SKY / LIGHT BREEZE	***	72	28	13	BDL
	MWNM1146	17-09-2026	CLEAR SKY / LIGHT BREEZE	***	90	36	11	BDL
	MWNM1247	18-09-2026	RAINY SKY / LIGHT BREEZE	***	52	19	10	BDL
	MWNM1162	24-09-2026	CLEAR SKY / LIGHT BREEZE	***	75	30	9	BDL
	MWNM1281	25-09-2026	RAINY SKY / LIGHT BREEZE	***	42	16	10	BDL

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	ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR
	TEST REPORT
	Wastewater Quality Monitoring Report
Name of Area	WANI NORTH
Name of Project	GHONSA OC

REPORT PARTICULARS

URN No.	TC710226000002856F	**Date of Issue**	25-09-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	WNGO1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MWNM1183	05-09-2026	16-09-2026 TO 15-10-2026	7.9	18	32	BDL	***
	MWNM1302	20-09-2026	16-09-2026 TO 15-10-2026	7.21	22	36	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI NORTH
Name of Project	GHONSA OC

REPORT PARTICULARS

URN No.	TC710226000002857F	**Date of Issue**	25-09-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE	WNGON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	GHONSA COLONY	WNGON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MWNM1200	11-09-2026	CLOUDY / CALM	56.4	54.3
	MWNM1319	25-09-2026	CLOUDY / CALM	57.1	55.5
2	MWNM1207	11-09-2026	CLOUDY / CALM	43.5	41.4
	MWNM1326	25-09-2026	CLOUDY / CALM	45.4	43.2

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ENVIRONMENTAL MONITORING REPORT

JUNAD OC

WANI NORTH AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	JUNAD OC

REPORT PARTICULARS

URN No.	TC710226000002858F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1172	06-09-2026	CLEAR SKY/ LIGHT BREEZE	324	215	58	26	15
	MWNM1291	20-09-2026	CLEAR SKY / LIGHT BREEZE	279	159	45	18	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	JUNAD OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002859F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	BORGAON VILLAGE (WNJOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW988	03-09-2026	RAINY SKY / MODERATE BREEZE	***	45	14	8	BDL
	MW1092	04-09-2026	RAINY SKY / MODERATE BREEZE	***	53	16	9	BDL
	MW1005	10-09-2026	RAINY SKY / MODERATE BREEZE	***	47	17	7	BDL
	MW1109	11-09-2026	RAINY SKY / MODERATE BREEZE	***	60	22	8	BDL
	MW1022	17-09-2026	RAINY SKY / MODERATE BREEZE	***	45	18	9	BDL
	MW1126	18-09-2026	RAINY SKY / MODERATE BREEZE	***	42	16	7	BDL
	MW1039	24-09-2026	CLOUDY SKY / LIGHT BREEZE	***	70	32	12	BDL
	MW1143	25-09-2026	CLOUDY SKY / LIGHT BREEZE	***	65	28	10	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	JUNAD OC

REPORT PARTICULARS

URN No.	TC710226000002860F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	BHALAR TOWNSHIP (WNUOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW987	03-09-2026	RAINY SKY / MODERATE BREEZE	***	48	20	8	BDL
	MW1091	04-09-2026	RAINY SKY / MODERATE BREEZE	***	42	22	10	BDL
	MW1004	10-09-2026	RAINY SKY / MODERATE BREEZE	***	53	16	9	BDL
	MW1108	11-09-2026	RAINY SKY / MODERATE BREEZE	***	45	19	10	BDL
	MW1021	17-09-2026	RAINY SKY / MODERATE BREEZE	***	60	15	8	BDL
	MW1125	18-09-2026	RAINY SKY / MODERATE BREEZE	***	48	18	7	BDL
	MW1038	24-09-2026	CLOUDY SKY / LIGHT BREEZE	***	62	26	11	BDL
	MW1142	25-09-2026	CLOUDY SKY / LIGHT BREEZE	***	69	30	14	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	JUNAD OC

REPORT PARTICULARS

URN No.	TC710226000002861F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	UKNI VILLAGE (WNUOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW989	03-09-2026	RAINY SKY / MODERATE BREEZE	***	63	22	10	BDL
	MW1093	04-09-2026	RAINY SKY / MODERATE BREEZE	***	45	20	8	BDL
	MW1005	10-09-2026	RAINY SKY / MODERATE BREEZE	***	56	19	7	BDL
	MW1109	11-09-2026	RAINY SKY / MODERATE BREEZE	***	47	18	10	BDL
	MW1023	17-09-2026	RAINY SKY / MODERATE BREEZE	***	61	26	11	BDL
	MW1127	18-09-2026	RAINY SKY / MODERATE BREEZE	***	58	22	9	BDL
	MW1040	24-09-2026	CLOUDY SKY / LIGHT BREEZE	***	76	36	13	BDL
	MW1144	25-09-2026	CLOUDY SKY / LIGHT BREEZE	***	72	30	10	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	JUNAD OC

REPORT PARTICULARS

URN No.	TC710226000002863F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	WNJOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	WNJOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MWNM1184	06-09-2026	16-09-2026 TO 15-10-2026	7.92	22	44	BDL	***
	MWNM1303	20-09-2026	16-09-2026 TO 15-10-2026	7.51	16	32	BDL	***
2	MWNM1191	06-09-2026	16-09-2026 TO 15-10-2026	8.14	14	32	BDL	***
	MWNM1310	20-09-2026	16-09-2026 TO 15-10-2026	7.43	22	48	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI NORTH
Name of Project	JUNAD OC

REPORT PARTICULARS

URN No.	TC710226000002864F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE	WNJON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	BHALAR COLONY	WNJON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MWNM1201	11-09-2026	CLOUDY / CALM	54.5	52.2
	MWNM1320	25-09-2026	CLOUDY / CALM	56.5	54.2
2	MWNM1210	11-09-2026	CLOUDY / CALM	43.7	41.3
	MWNM1329	25-09-2026	CLOUDY / CALM	45.6	43.2

Reported by	Reviewed by	Approved by
YOGESH PIDURKAR (CHEMIST)	Dr. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENTAL MONITORING REPORT

KOLARPIMPRI OC

WANI NORTH AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	KOLARPIMPRI OC

REPORT PARTICULARS

URN No.	TC710226000002865F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SUBSTATION KOLARPIMPRI (WNKOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW1051	07-09-2026	CLEAR SKY / CALM	326	240	59	26	15
	MW1155	21-09-2026	CLOUDY SKY / LIGHT BREEZE	304	198	48	19	10

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	KOLARPIMPRI OC

REPORT PARTICULARS

URN No.	TC710226000002866F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	REST SHELTER (WNKOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW1052	07-09-2026	CLEAR SKY / CALM	289	187	42	20	14
	MW1156	21-09-2026	CLOUDY SKY / LIGHT BREEZE	264	156	35	15	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	KOLARPIMPRI OC

REPORT PARTICULARS

URN No.	TC710226000002867F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	NILAPUR VILLAGE (WNKOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW985	03-09-2026	RAINY SKY / MODERATE BREEZE	***	49	22	10	BDL
	MW1089	04-09-2026	RAINY SKY / MODERATE BREEZE	***	56	19	8	BDL
	MW1002	10-09-2026	RAINY SKY / MODERATE BREEZE	***	47	18	119	BDL
	MW1106	11-09-2026	RAINY SKY / MODERATE BREEZE	***	43	14	7	BDL
	MW1019	17-09-2026	RAINY SKY / MODERATE BREEZE	***	50	20	10	BDL
	MW1123	18-09-2026	RAINY SKY / MODERATE BREEZE	***	42	16	13	BDL
	MW1036	24-09-2026	CLOUDY SKY / LIGHT BREEZE	***	69	29	14	BDL
	MW1140	25-09-2026	CLOUDY SKY / LIGHT BREEZE	***	73	32	12	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	KOLARPIMPRI OC

REPORT PARTICULARS

URN No.	TC710226000002868F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	WATER FILTER PLANT PRAGATI NAGAR (WNKOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW984	03-09-2026	RAINY SKY / MODERATE BREEZE	***	52	19	8	BDL
	MW1088	04-09-2026	RAINY SKY / MODERATE BREEZE	***	59	26	10	BDL
	MW1001	10-09-2026	RAINY SKY / MODERATE BREEZE	***	46	22	9	BDL
	MW1105	11-09-2026	RAINY SKY / MODERATE BREEZE	***	53	24	10	BDL
	MW1018	17-09-2026	RAINY SKY / MODERATE BREEZE	***	50	18	12	BDL
	MW1122	18-09-2026	RAINY SKY / MODERATE BREEZE	***	47	22	10	BDL
	MW1035	24-09-2026	CLOUDY SKY / LIGHT BREEZE	***	67	30	11	BDL
	MW1139	25-09-2026	CLOUDY SKY / LIGHT BREEZE	***	79	36	14	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	KOLARPIMPRI OC

REPORT PARTICULARS

URN No.	TC710226000002869F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	BRAHMANI VILLAGE (WNKOA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1116	03-09-2026	RAINY SKY / LIGHT BREEZE	***	52	17	8	BDL
	MWNM1235	04-09-2026	RAINY SKY / LIGHT BREEZE	***	57	22	10	BDL
	MWNM1132	10-09-2026	CLEAR SKY /LIGHT BREEZE	***	74	37	9	BDL
	MWNM1251	11-09-2026	RAINY SKY / LIGHT BREEZE	***	62	18	12	BDL
	MWNM1148	17-09-2026	CLEAR SKY /LIGHT BREEZE	***	76	28	10	BDL
	MWNM1267	18-09-2026	CLEAR SKY /LIGHT BREEZE	***	70	20	14	BDL
	MWNM1164	24-09-2026	CLEAR SKY /LIGHT BREEZE	***	81	36	11	BDL
	MWNM1283	25-09-2026	RAINY SKY / LIGHT BREEZE	***	45	18	13	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	KOLARPIMPRI OC

REPORT PARTICULARS

URN No.	TC710226000002870F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	WNJOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP		**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l

Sl. No.	Sample Code	Date of Sampling	Date of Testing	pH	TSS	COD	Oil & Grease	BOD
1	MW1060	10-09-2026	16-09-2026 TO 15-10-2026	7.21	18	60	BDL	***
	MW1164	21-09-2026	16-09-2026 TO 15-10-2026	7.65	24	44	BDL	***
2	MW1065	10-09-2026	16-09-2026 TO 15-10-2026	6.79	18	40	BDL	***
	MW1169	21-09-2026	16-09-2026 TO 15-10-2026	7.61	14	32	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI NORTH
Name of Project	KOLARPIMPRI OC

REPORT PARTICULARS

URN No.	TC710226000002871F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	WNKON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY PRAGATI NAGAR	WNKON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MWNM1202	11-09-2026	CLOUDY / CALM	69.4	67.2
	MWNM1321	25-09-2026	CLOUDY / CALM	68.8	66.1
2	MWNM1208	11-09-2026	CLOUDY / CALM	42.6	40.5
	MWNM1327	25-09-2026	CLOUDY / CALM	43.4	41.5

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ENVIRONMENTAL MONITORING REPORT

PIMPALGAON OC

WANI NORTH AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	PIMPALGAON OC

REPORT PARTICULARS

URN No.	TC710226000002872F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SAM OFFICE (WNPOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW1053	07-09-2026	CLEAR SKY / CALM	325	201	46	19	12
	MW1157	21-09-2026	CLOUDY SKY / LIGHT BREEZE	245	156	32	14	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	PIMPALGAON OC

REPORT PARTICULARS

URN No.	TC710226000002873F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	WORKSHOP (WNPOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW1054	07-09-2026	CLEAR SKY / CALM	245	155	42	18	11
	MW1158	21-09-2026	CLOUDY SKY / LIGHT BREEZE	269	164	48	22	14

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	PIMPALGAON OC

REPORT PARTICULARS

URN No.	TC710226000002874F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	WATER FILTER PLANT PRAGATI NAGAR (WNPOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW984	03-09-2026	RAINY SKY / MODERATE BREEZE	***	52	19	8	BDL
	MW1088	04-09-2026	RAINY SKY / MODERATE BREEZE	***	59	26	10	BDL
	MW1001	10-09-2026	RAINY SKY / MODERATE BREEZE	***	46	22	9	BDL
	MW1105	11-09-2026	RAINY SKY / MODERATE BREEZE	***	53	24	10	BDL
	MW1018	17-09-2026	RAINY SKY / MODERATE BREEZE	***	50	18	12	BDL
	MW1122	18-09-2026	RAINY SKY / MODERATE BREEZE	***	47	22	10	BDL
	MW1035	24-09-2026	CLOUDY SKY / LIGHT BREEZE	***	67	30	11	BDL
	MW1139	25-09-2026	CLOUDY SKY / LIGHT BREEZE	***	79	36	14	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	PIMPALGAON OC

REPORT PARTICULARS

URN No.	TC710226000002875F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	BORGAON VILLAGE (WNJOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW988	03-09-2026	RAINY SKY / MODERATE BREEZE	***	45	14	8	BDL
	MW1092	04-09-2026	RAINY SKY / MODERATE BREEZE	***	53	16	9	BDL
	MW1005	10-09-2026	RAINY SKY / MODERATE BREEZE	***	47	17	7	BDL
	MW1109	11-09-2026	RAINY SKY / MODERATE BREEZE	***	60	22	8	BDL
	MW1022	17-09-2026	RAINY SKY / MODERATE BREEZE	***	45	18	9	BDL
	MW1126	18-09-2026	RAINY SKY / MODERATE BREEZE	***	42	16	7	BDL
	MW1039	24-09-2026	CLOUDY SKY / LIGHT BREEZE	***	70	32	12	BDL
	MW1143	25-09-2026	CLOUDY SKY / LIGHT BREEZE	***	65	28	10	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI NORTH
Name of Project	PIMPALGAON OC

REPORT PARTICULARS

URN No.	TC710226000002878F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	WNPON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY PRAGATI NAGAR	WNKON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MWNM1203	11-09-2026	CLOUDY / CALM	59.4	57.2
	MWNM1322	25-09-2026	CLOUDY / CALM	60.1	58.4
2	MWNM1208	11-09-2026	CLOUDY / CALM	42.6	40.5
	MWNM1327	25-09-2026	CLOUDY / CALM	43.4	41.5

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ENVIRONMENTAL MONITORING REPORT

RAJUR UG

WANI NORTH AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	RAJUR UG

REPORT PARTICULARS

URN No.	TC710226000002879F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	NEAR BANDEWADA INCLINE (WNRUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1169	05-09-2026	CLEAR SKY / LIGHT BREEZE	314	210	56	24	15
	MWNM1169	19-09-2026	CLOUDY SKY / LIGHT BREEZE	249	147	34	16	10

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	RAJUR UG

REPORT PARTICULARS

URN No.	TC710226000002880F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	PIT OFFICE (WNRUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1170	05-09-2026	CLEAR SKY / LIGHT BREEZE	265	184	56	24	12
	MWNM1289	19-09-2026	CLOUDY SKY / LIGHT BREEZE	248	148	42	18	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	RAJUR UG

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002881F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	SAM OFFICE/FILTER PLANT (WNRUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1171	05-09-2026	CLEAR SKY / LIGHT BREEZE	212	132	32	15	BDL
	MWNM1290	19-09-2026	CLOUDY SKY / LIGHT BREEZE	269	149	43	18	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	RAJUR UG

REPORT PARTICULARS

URN No.	TC710226000002882F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	LAKHAPUR VILLAGE (WNRUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1117	03-09-2026	RAINY SKY / LIGHT BREEZE	***	45	14	8	BDL
	MWNM1236	04-09-2026	RAINY SKY / LIGHT BREEZE	***	56	18	10	BDL
	MWNM1133	10-09-2026	CLEAR SKY / LIGHT BREEZE	***	64	26	9	BDL
	MWNM1252	11-09-2026	RAINY SKY / LIGHT BREEZE	***	52	28	11	BDL
	MNWM1149	17-09-2026	CLEAR SKY / LIGHT BREEZE	***	74	32	12	BDL
	MNWM1268	18-09-2026	RAINY SKY / LIGHT BREEZE	***	60	26	14	BDL
	MNWM1165	24-09-2026	CLEAR SKY / LIGHT BREEZE	***	73	28	10	BDL
	MNWM1284	25-09-2026	RAINY SKY / LIGHT BREEZE	***	47	30	8	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	RAJUR UG

REPORT PARTICULARS

URN No.	TC710226000002884F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	WNJOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MWNM1165	05-09-2026	16-09-2026 TO 15-10-2026	8.14	28	64	BDL	***
	MWNM1304	20-09-2026	16-09-2026 TO 15-10-2026	7.68	18	32	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI NORTH
Name of Project	RAJUR UG

REPORT PARTICULARS

URN No.	TC710226000002885F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FILTER PLANT / FAN HOUSE	WNJON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	RAJUR / BHANDEWADA COLONY	WNJON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MWNM1204	11-09-2026	CLOUDY / CALM	68.7	66.4
	MWNM1323	25-09-2026	CLOUDY / CALM	69.7	66.1
2	MWNM1209	11-09-2026	CLOUDY / CALM	43.6	41.3
	MWNM1328	25-09-2026	CLOUDY / CALM	44.2	42.4

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ENVIRONMENTAL MONITORING REPORT

UKNI DEEP OC

WANI NORTH AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	UKNI DEEP OC

REPORT PARTICULARS			
URN No.	TC710226000002886F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	WORKSHOP PREMISES (WNUOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1173	06-09-2026	CLEAR SKY / LIGHT BREEZE	356	234	62	32	18
	MWNM1292	20-09-2026	CLOUDY SKY / LIGHT BREEZE	298	187	52	26	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	UKNI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002887F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	BHALAR TOWNSHIP (WNUOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW987	03-09-2026	RAINY SKY / MODERATE BREEZE	***	48	20	8	BDL
	MW1091	04-09-2026	RAINY SKY / MODERATE BREEZE	***	42	22	10	BDL
	MW1004	10-09-2026	RAINY SKY / MODERATE BREEZE	***	53	16	9	BDL
	MW1108	11-09-2026	RAINY SKY / MODERATE BREEZE	***	45	19	10	BDL
	MW1021	17-09-2026	RAINY SKY / MODERATE BREEZE	***	60	15	8	BDL
	MW1125	18-09-2026	RAINY SKY / MODERATE BREEZE	***	48	18	7	BDL
	MW1038	24-09-2026	CLOUDY SKY / LIGHT BREEZE	***	62	26	11	BDL
	MW1142	25-09-2026	CLOUDY SKY / LIGHT BREEZE	***	69	30	14	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	UKNI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002888F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	UKNI VILLAGE (WNUOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW989	03-09-2026	RAINY SKY / MODERATE BREEZE	***	63	22	10	BDL
	MW1093	04-09-2026	RAINY SKY / MODERATE BREEZE	***	45	20	8	BDL
	MW1005	10-09-2026	RAINY SKY / MODERATE BREEZE	***	56	19	7	BDL
	MW1109	11-09-2026	RAINY SKY / MODERATE BREEZE	***	47	18	10	BDL
	MW1023	17-09-2026	RAINY SKY / MODERATE BREEZE	***	61	26	11	BDL
	MW1127	18-09-2026	RAINY SKY / MODERATE BREEZE	***	58	22	9	BDL
	MW1040	24-09-2026	CLOUDY SKY / LIGHT BREEZE	***	76	36	13	BDL
	MW1144	25-09-2026	CLOUDY SKY / LIGHT BREEZE	***	72	30	10	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	UKNI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002889F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	NILAPUR VILLAGE (WNKOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW985	03-09-2026	RAINY SKY / MODERATE BREEZE	***	49	22	10	BDL
	MW1089	04-09-2026	RAINY SKY / MODERATE BREEZE	***	56	19	8	BDL
	MW1002	10-09-2026	RAINY SKY / MODERATE BREEZE	***	47	18	119	BDL
	MW1106	11-09-2026	RAINY SKY / MODERATE BREEZE	***	43	14	7	BDL
	MW1019	17-09-2026	RAINY SKY / MODERATE BREEZE	***	50	20	10	BDL
	MW1123	18-09-2026	RAINY SKY / MODERATE BREEZE	***	42	16	13	BDL
	MW1036	24-09-2026	CLOUDY SKY / LIGHT BREEZE	***	69	29	14	BDL
	MW1140	25-09-2026	CLOUDY SKY / LIGHT BREEZE	***	73	32	12	BDL

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	UKNI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002891F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	WNJOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	WNJOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
3	STP	WNJOW3	**Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000**	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MWNM1186	09-09-2026	16-09-2026 TO 15-10-2026	7.73	18	36	BDL	***
	MWNM1305	21-09-2026	16-09-2026 TO 15-10-2026	7.11	22	44	BDL	***
2	MWNM1196	09-09-2026	16-09-2026 TO 15-10-2026	7.9	20	40	BDL	***
	MWNM1311	21-09-2026	16-09-2026 TO 15-10-2026	7.62	18	36	BDL	***
3	MWNM1196	09-09-2026	16-09-2026 TO 15-10-2026	***	18	***	BDL	12.4
	MWNM1315	21-09-2026	16-09-2026 TO 15-10-2026	***	22	***	BDL	10.08

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI NORTH
Name of Project	UKNI DEEP OC

REPORT PARTICULARS

URN No.	TC710226000002892F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHP	WNUON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	BHALAR COLONY	WNJON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MWNM1205	11-09-2026	CLOUDY / CALM	68.1	66.4
	MWNM1324	25-09-2026	CLOUDY / CALM	69.3	67.4
2	MWNM1210	11-09-2026	CLOUDY / CALM	43.7	41.3
	MWNM1329	25-09-2026	CLOUDY / CALM	45.6	43.2

Reported by	Reviewed by	Approved by
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DRINKING WATER QUALITY REPORT

WANI NORTH AREA

JOB NUMBER: 4094423060

JULY 2026 TO SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	UKNI OC

REPORT PARTICULARS

URN No.	TC71022600002933F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	BHALAR TOWNSHIP GUEST HOUSE	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range		Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.7**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**184**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**40**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.52**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**249**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**20.24**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**16**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**17.16**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**10**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**144**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	RAJUR UG

REPORT PARTICULARS

URN No.	TC71022600002934F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT			**Date of Sampling**	22-07-2026	
Sl No	**Parameters**	**Unit**	**Range**	**Test Method**	**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**4**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.01**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**400**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**196**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.36**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**715**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**64**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**38.25**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**38.17**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**10.24**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**192**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	KOLARPIMPRI OC

REPORT PARTICULARS

URN No.	TC71022600002935F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT (PRAGATI NAGAR)	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**5**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.05**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**126**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**54**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.28**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**415**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**40**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**8.82**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**36.17**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**8.12**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**144**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	GHONSA OC

REPORT PARTICULARS

URN No.	TC71022600002936F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT	**Date of Sampling**	20-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.17**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**94**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**26**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.62**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**250**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**30**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**4.14**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**24.17**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**4.16**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**112**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
YOGESH PIDURKAR (CHEMIST)	DR. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	WANI RAILWAY SIDING

REPORT PARTICULARS

URN No.	TC71022600002937F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	SITE INCHARGE OFFICE	**Date of Sampling**	22-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.81**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**344**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**110**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.84**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**550**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**54**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**33**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**87.17**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**18.24**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**264**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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SURFACE WATER QUALITY REPORT

WANI NORTH AREA

JOB NUMBER: 4094423060

JULY 2026 TO SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Surface Water Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	GHONSA OC

REPORT PARTICULARS

URN No.	TC71022600002977F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16/07/26 TO 15/09/26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	**UP STREAM OF VIDARBHA RIVER W.R.T. MINE DISCHARGE**	**Date of Sampling**	08-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	Standard permissible values Water Quality Standards (as per IS: 2296) Class 'C'
1	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.55**	6.5-8.5
2	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	300
3	TDS	mg/L	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**280**	1500
4	Oil & Greese	mg/L	2 to 1000	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	**BDL**	0.1
5	Dissolved Oxygen	mg/L	0.1 to 8.5	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	**3.0**	4
6	B.O.D. (3 days at 27oC)	mg/L	2 to 1000	IS 3025 Part 44 : 1993 (RA 2014)	**2.02**	3
7	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C	**BDL**	--
8	Lead (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B	**BDL**	0.1
9	Hexavalent Chromium	mg/L	0.01 to 0.7	APHA, 24th Edition 3500-Cr B Colorimetric Method: 2017	**BDL**	0.05
10	Copper (Cu)	mg/L	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	1.5
11	Zinc (Zn)	mg/L	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	15
12	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05
13	Cadmium (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113 B, AAS GTA Method:2017	**BDL**	0.01
14	Fluoride (F-)	mg/L	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.32**	1.5
15	Iron (Fe)	mg/L	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	50
16	Nitrate Nitrogen	mg/L	0.5 to 45	APHA, 24th Edition 4500-NO3 B UV Spectrophotometric Method: 2017	**3.02**	10
17	Sulphate (SO4-2)	mg/L	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**16.2**	400
18	Chlorides (as Cl-)	mg/L	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**32**	600

Reported by	**Reviewed by**	**Approved by**
LATISH TEMBHURNE (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Surface Water Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	GHONSA OC

TC-7102

REPORT PARTICULARS

URN No.	TC71022600002978F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16/07/26 TO 15/09/26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	**DOWN STREAM OF VIDARBHA RIVER W.R.T. MINE DISCHARGE**	**Date of Sampling**	08-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	Standard permissible values Water Quality Standards (as per IS: 2296) Class 'C'
1	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7,80**	6.5-8.5
2	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	300
3	TDS	mg/L	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**320**	1500
4	Oil & Greese	mg/L	2 to 1000	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	**BDL**	0.1
5	Dissolved Oxygen	mg/L	0.1 to 8.5	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	**3.42**	4
6	B.O.D. (3 days at 27oC)	mg/L	2 to 1000	IS 3025 Part 44 : 1993 (RA 2014)	**2.8**	3
7	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C	**BDL**	--
8	Lead (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B	**BDL**	0.1
9	Hexavalent Chromium	mg/L	0.01 to 0.7	APHA, 24th Edition 3500-Cr B Colorimetric Method: 2017	**BDL**	0.05
10	Copper (Cu)	mg/L	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	1.5
11	Zinc (Zn)	mg/L	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	15
12	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05
13	Cadmium (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113 B, AAS GTA Method:2017	**BDL**	0.01
14	Fluoride (F-)	mg/L	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.36**	1.5
15	Iron (Fe)	mg/L	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	50
16	Nitrate Nitrogen	mg/L	0.5 to 45	APHA, 24th Edition 4500-NO3 B UV Spectrophotometric Method: 2017	**2.34**	10
17	Sulphate (SO4-2)	mg/L	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**16.76**	400
18	Chlorides (as Cl-)	mg/L	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**42**	600

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ENVIRONMENTAL MONITORING REPORT

WANI RAILWAY SIDING

WANI NORTH AREA

JOB NUMBER: 4094423060

SEPTEMBER 2026

Environment Laboratory
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CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	WANI RAILWAY SIDING

REPORT PARTICULARS

URN No.	TC710226000002893F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	VITTALWADI (WNRSA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MW986	03-09-2026	RAINY SKY / MODERATE	***	56	18	8	BDL
	MW1090	04-09-2026	RAINY SKY / MODERATE	***	62	20	9	BDL
	MW1003	10-09-2026	RAINY SKY / MODERATE	***	45	16	10	BDL
	MW1107	11-09-2026	RAINY SKY / MODERATE	***	64	26	12	BDL
	MW1020	17-09-2026	RAINY SKY / MODERATE	***	50	22	14	BDL
	MW1124	18-09-2026	RAINY SKY / MODERATE	***	47	18	10	BDL
	MW1037	24-09-2026	CLOUDY SKY / LIGHT BREEZE	***	75	30	11	BDL
	MW1141	25-09-2026	CLOUDY SKY / LIGHT BREEZE	***	79	32	13	BDL

Reported by	Reviewed by	Approved by
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	WANI RAILWAY SIDING

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002896F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	NEAR RAILWAY SIDING (WNRSA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MWNM1174	06-09-2026	CLOUDY SKY / CALM	369	255	64	28	15
	MWNM1293	20-09-2026	CLOUDY SKY / LIGHT BREEZE	342	210	52	19	10

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	WANI NORTH
Name of Project	WANI RAILWAY SIDING

REPORT PARTICULARS

URN No.	TC710226000002897F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	PRAGATI NAGAR		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MNWM1115	03-09-2026	RAINY SKY /LIGHT BREEZE	***	60	16	12	BDL
	MNWM1234	04-09-2026	RAINY SKY /LIGHT BREEZE	***	54	22	10	BDL
	MNWM1131	10-09-2026	RAINY SKY /LIGHT BREEZE	***	49	18	14	BDL
	MNWM1250	11-09-2026	CLOUDY SKY / LIGHT BREEZE	***	70	34	10	BDL
	MNWM1147	17-09-2026	CLEAR SKY / LIGHT BREEZE	***	74	20	12	BDL
	MNWM1266	18-09-2026	CLEAR SKY / LIGHT BREEZE	***	79	36	10	BDL
	MNWM1163	24-09-2026	CLEAR SKY / LIGHT BREEZE	***	73	32	13	BDL
	MNWM1282	25-09-2026	RAINY SKY /LIGHT BREEZE	***	45	18	10	BDL

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	WANI NORTH
Name of Project	WANI RAILWAY SIDING

REPORT PARTICULARS

URN No.	TC710226000002899F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	RESIDENTIAL AREA NEAR RLY. SIDING	WNRSN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	NEAR INCHARGE OFFICE	WNRSN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MWNM1211	11-09-2026	CLOUDY / CALM	44.2	42.3
	MWNM1330	25-09-2026	CLOUDY / CALM	43.7	41.5
2	MWNM1206	11-09-2026	CLOUDY / CALM	66.3	64.5
	MWNM1325	25-09-2026	CLOUDY / CALM	67.4	63.6

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

AMBARA OC

KANHAN AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	AMBARA OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002487F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE (KAOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK765	05-09-2026	Rainy sky / Moderate breeze	299	203	60	22	17
	MK844	19-09-2026	Cloudy sky / Calm	286	183	48	17	14

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	AMBARA OC

REPORT PARTICULARS

URN No.	TC710226000002488F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	PIT OFFICE (KAUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK766	05-09-2026	Rainy sky / Moderate breeze	320	225	67	23	16
	MK845	19-09-2026	Cloudy sky / Calm	312	215	62	24	18

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	AMBARA OC

REPORT PARTICULARS

URN No.	TC710226000002489F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	COLONY HEALTH CENTER (KMUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK724	03-09-2026	Rainy sky / Moderate breeze	***	74	33	15	BDL
	MK803	04-09-2026	Rainy sky / Moderate breeze	***	82	32	17	12
	MK735	08-09-2026	Cloudy sky / Calm	***	68	27	14	BDL
	MK814	09-09-2026	Cloudy sky / Calm	***	76	29	13	BDL
	MK746	17-09-2026	Cloudy sky / Calm	***	65	26	15	BDL
	MK825	18-09-2026	Cloudy sky / Calm	***	78	36	17	12
	MK757	24-09-2026	Rainy sky / Calm	***	71	33	16	BDL
	MK836	25-09-2026	Rainy sky / Calm	***	77	40	18	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	AMBARA OC

REPORT PARTICULARS

URN No.	TC710226000002490F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	AMBARA VILLAGE (KMUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK723	01-09-2026	Rainy sky / Moderate breeze	***	69	33	12	BDL
	MK802	02-09-2026	Rainy sky / Moderate breeze	***	72	35	14	BDL
	MK734	08-09-2026	Cloudy sky / Calm	***	85	41	16	12
	MK813	09-09-2026	Cloudy sky / Calm	***	80	29	15	BDL
	MK745	15-09-2026	Cloudy sky / Calm	***	82	32	17	BDL
	MK824	16-09-2026	Cloudy sky / Calm	***	83	34	13	BDL
	MK756	22-09-2026	Cloudy sky / Calm	***	79	32	15	11
	MK835	23-09-2026	Cloudy sky / Calm	***	77	40	14	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	KANHAN
Name of Project	AMBARA OC

REPORT PARTICULARS

URN No.	TC710226000002492F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	KAOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MK781	03-09-2026	16-09-2026 TO 15-10-2026	3.73	44	18	BDL	***
	MK860	19-09-2026	16-09-2026 TO 15-10-2026	2.9	52	22	BDL	***

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TEST REPORT

Noise Level Monitoring Report

Name of Area	KANHAN
Name of Project	AMBARA OC

REPORT PARTICULARS

URN No.	TC710226000002493F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE	KAON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY MOHAN	KMUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MK631	11-09-2026	Cloudy sky / Light breeze	44.7	42.4
	MK710	21-09-2026	Cloudy sky / Light breeze	55.3	52.4
2	MK626	11-09-2026	Cloudy sky / Light breeze	43.1	40.3
	MK705	21-09-2026	Cloudy sky / Light breeze	43.1	41.9

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ENVIRONMENTAL MONITORING REPORT

AREA WORKSHOP

KANHAN AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	AREA WORKSHOP

REPORT PARTICULARS

URN No.	TC710226000002494F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	AREA WORKSHOP (KAWA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK539	06-09-2026	Cloudy sky / Light breeze	310	185	54	19	15
	MPK599	20-09-2026	Cloudy sky / Light breeze	288	172	50	17	13

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	KANHAN
Name of Project	AREA WORKSHOP

REPORT PARTICULARS

URN No.	TC710226000002500F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	WORKSHOP PREMISES	KAWN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
			Range	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MK632	11-09-2026	Cloudy sky / Light breeze	45.7	41.8
	MK711	21-09-2026	Cloudy sky / Light breeze	59.7	57.5

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ENVIRONMENTAL MONITORING REPORT

GHORAWARI OC

KANHAN AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	GHORAWARI OC

REPORT PARTICULARS			
URN No.	TC710226000002501F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE GHORAWARI (KGOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK768	06-09-2026	Cloudy sky / Light breeze	279	182	54	18	BDL
	MK847	20-09-2026	Cloudy sky / Calm	265	160	48	21	BDL

Reported by	**Reviewed by**	**Approved by**
Dr. JILLA SHANKAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	GHORAWARI OC

REPORT PARTICULARS

URN No.	TC710226000002502F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	MANAGER OFFICE JHARNA (KGOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK770	06-09-2026	Cloudy sky / Light breeze	286	177	51	20	11
	MK849	20-09-2026	Cloudy sky / Calm	261	167	56	22	10

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	GHORAWARI OC

REPORT PARTICULARS

URN No.	TC710226000002503F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	SAM OFFICE GHORAWARI (KJUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK769	06-09-2026	Cloudy sky / Light breeze	332	217	62	23	BDL
	MK848	20-09-2026	Cloudy sky / Calm	269	185	57	19	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	GHORAWARI OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002504F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	COLONY HEALTH CENTER JHARNA (KJUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK721	01-09-2026	Rainy sky / Moderate breeze	***	74	32	16	BDL
	MK800	02-09-2026	Rainy sky / Moderate breeze	***	82	41	15	11
	MK732	08-09-2026	Cloudy sky / Calm	***	67	27	17	BDL
	MK811	09-09-2026	Cloudy sky / Calm	***	75	38	15	BDL
	MK743	15-09-2026	Cloudy sky / Calm	***	74	30	16	BDL
	MK822	16-09-2026	Cloudy sky / Calm	***	65	29	15	BDL
	MK754	22-09-2026	Cloudy sky / Calm	***	83	35	17	12
	MK833	23-09-2026	Cloudy sky / Calm	***	68	34	16	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	GHORAWARI OC

REPORT PARTICULARS

URN No.	TC710226000002505F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	PANARA VILLAGE (KJUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK721	01-09-2026	Rainy sky / Moderate breeze	***	77	34	15	BDL
	MK800	02-09-2026	Rainy sky / Moderate breeze	***	86	37	16	12
	MK732	08-09-2026	Cloudy sky / Calm	***	70	28	14	BDL
	MK811	09-09-2026	Cloudy sky / Calm	***	65	41	15	BDL
	MK743	15-09-2026	Cloudy sky / Calm	***	82	33	17	11
	MK822	16-09-2026	Cloudy sky / Calm	***	75	35	14	BDL
	MK754	22-09-2026	Cloudy sky / Calm	***	85	42	15	10
	MK833	23-09-2026	Cloudy sky / Calm	***	69	30	16	BDL

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	KANHAN
Name of Project	GHORAWARI OC

REPORT PARTICULARS

URN No.	TC710226000002507F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	KJUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MK783	10-09-2026	16-09-2026 TO 15-10-2026	7.15	52	48	BDL	***
	MK862	20-09-2026	16-09-2026 TO 15-10-2026	7.3	46	44	BDL	***

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	KANHAN
Name of Project	GHORAWARI OC

REPORT PARTICULARS

URN No.	TC710226000002508F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE	KGON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY JHARNA	KGON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MK633	11-09-2026	Cloudy sky / Light breeze	43.8	41.1
	MK870	21-09-2026	Cloudy sky / Light breeze	46.1	44.3
2	MK627	11-09-2026	Cloudy sky / Light breeze	42.8	40.4
	MK864	21-09-2026	Cloudy sky / Light breeze	42.2	40.3

Reported by	Reviewed by	Approved by
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DRINKING WATER QUALITY REPORT

KANHAN AREA

JOB NUMBER: 4094423061

JULY 2026 TO SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	KANHAN
Name of Project	NANDAN UG

REPORT PARTICULARS

URN No.	TC71022600002964F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT			**Date of Sampling**	04-07-2026	
Sl No	**Parameters**	**Unit**	**Range**		**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.08**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**560**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**50**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.381**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**710**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**179.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**27.21**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.037**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.043**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**78.55**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**2.37**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.018**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**52**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

TC-7102

Name of Area	KANHAN
Name of Project	GHORAWARI OC

REPORT PARTICULARS

URN No.	TC71022600002965F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	RO PLANT	**Date of Sampling**	04-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.98**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**428**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**62**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.135**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**580**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**116.8**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**33.04**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.028**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**66.74**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**3.52**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**80**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	KANHAN
Name of Project	MOHAN MAORI UG EXPANSION

REPORT PARTICULARS

URN No.	TC71022600002966F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	AMBARA SUB AREA RO PLANT	**Date of Sampling**	05-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.44**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**88**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**60**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.131**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**220**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**28.8**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**3.88**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**53.13**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**1.35**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**108**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	KANHAN
Name of Project	TANDSI UG

REPORT PARTICULARS

URN No.	TC71022600002967F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	FILTER PLANT (MANAGER OFFICE)	**Date of Sampling**	08-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.72**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**52**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**62**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.112**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**126**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**14.4**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**3.88**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**BDL**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**1.11**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**76**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	KANHAN
Name of Project	TANDSI UG

REPORT PARTICULARS

URN No.	TC71022600002968F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	CANTEEN	**Date of Sampling**	08-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.35**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**60**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**62**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.131**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**242**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**12.8**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**6.80**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**25.58**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**3.41**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**160**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
DR. JILLA SHANKAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	KANHAN
Name of Project	AREA WORKSHOP

REPORT PARTICULARS

URN No.	TC71022600002969F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	AREA WORKSHOP				**Date of Sampling**	03-07-2026	
Sl No	**Parameters**	**Unit**	**Range**	**Test Method**	**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.56**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**432**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**136**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.172**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**660**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**116.8**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**76.59**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.041**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.033**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**69.29**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**4.52**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**68**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
DR. JILLA SHANKAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	KANHAN
Name of Project	AREA HOSPITAL

REPORT PARTICULARS

URN No.	TC71022600002970F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	AREA HOSPITAL			**Date of Sampling**	03-07-2026	
Sl No	**Parameters**	**Unit**	**Range**	**Test Method**	**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**4**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.18**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**108**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**54**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.435**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**264**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**25.6**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**10.69**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**58.13**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**19.52**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**132**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
DR. JILLA SHANKAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	KANHAN
Name of Project	AGM OFFICE

REPORT PARTICULARS

URN No.	TC71022600002971F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	AGM OFFICE				**Date of Sampling**	04-07-2026	
Sl No	**Parameters**	**Unit**	**Range**	**Test Method**	**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**4**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.90**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**268**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**190**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.117**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**540**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**65.6**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**25.24**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.034**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.029**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**61.09**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**2.14**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**104**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	KANHAN
Name of Project	JHARNA UG

REPORT PARTICULARS

URN No.	TC710226000002972F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DISPENSARY	**Date of Sampling**	06-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**4**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.74**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**920**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**232**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.425**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**1260**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**246.4**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**73.87**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.43**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.51**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**68.47**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**18.42**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.087**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**28**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	KANHAN
Name of Project	JHARNA UG

REPORT PARTICULARS

URN No.	TC710226000002973F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	MANAGER OFFICE	**Date of Sampling**	06-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Agreeable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.94**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**948**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**90**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.342**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**1151**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**240**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**80.67**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**0.37**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**0.38**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**76.91**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**17.13**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**0.032**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**44**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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Note 3: BDL denotes Below Detection Limit

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ENVIRONMENTAL MONITORING REPORT

MOHAN MAORI UG

KANHAN AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	MOHAN / MAORI UG

REPORT PARTICULARS

URN No.	TC710226000002509F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SAM OFFICE (KMUA1)		**Test Method**	1999	23): 2006	24): 2019	6/sec1)	2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK771	06-09-2026	Cloudy sky / Light breeze	289	182	58	20	11
	MK850	20-09-2026	Cloudy sky / Calm	301	205	67	23	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	MOHAN / MAORI UG

REPORT PARTICULARS

URN No.	TC710226000002510F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	PIT OFFICE MOHAN (KMUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK787	05-09-2026	Cloudy sky / Light breeze	265	167	52	20	BDL
	MK846	19-09-2026	Cloudy sky / Calm	290	227	64	26	13

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	MOHAN / MAORI UG

REPORT PARTICULARS

URN No.	TC710226000002511F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	COLONY HEALTH CENTER (KMUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK724	03-09-2026	Rainy sky / Moderate breeze	***	74	33	15	BDL
	MK803	04-09-2026	Rainy sky / Moderate breeze	***	82	32	17	12
	MK735	08-09-2026	Cloudy sky / Calm	***	68	27	14	BDL
	MK814	09-09-2026	Cloudy sky / Calm	***	76	29	13	BDL
	MK746	17-09-2026	Cloudy sky / Calm	***	65	26	15	BDL
	MK825	18-09-2026	Cloudy sky / Calm	***	78	36	17	12
	MK757	24-09-2026	Rainy sky / Calm	***	71	33	16	BDL
	MK836	25-09-2026	Rainy sky / Calm	***	77	40	18	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	MOHAN / MAORI UG

REPORT PARTICULARS

URN No.	TC710226000002512F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	AMBARA VILLAGE (KMUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK723	01-09-2026	Rainy sky / Moderate breeze	***	69	33	12	BDL
	MK802	02-09-2026	Rainy sky / Moderate breeze	***	72	35	14	BDL
	MK734	08-09-2026	Cloudy sky / Calm	***	85	41	16	12
	MK813	09-09-2026	Cloudy sky / Calm	***	80	29	15	BDL
	MK745	15-09-2026	Cloudy sky / Calm	***	82	32	17	BDL
	MK824	16-09-2026	Cloudy sky / Calm	***	83	34	13	BDL
	MK756	22-09-2026	Cloudy sky / Calm	***	79	32	15	11
	MK835	23-09-2026	Cloudy sky / Calm	***	77	40	14	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	KANHAN
Name of Project	MOHAN / MAORI UG

REPORT PARTICULARS

URN No.	TC710226000002515F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	KAOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MK782	03-09-2026	16-09-2026 TO 15-10-2026	3.03	34	16	BDL	***
	MK861	19-09-2026	16-09-2026 TO 15-10-2026	2.89	56	24	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	KANHAN
Name of Project	MOHAN / MAORI UG

REPORT PARTICULARS

URN No.	TC710226000002516F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	KMUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY MOHAN	KMUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MK634	11-09-2026	Cloudy sky / Light breeze	70.8	69.2
	MK871	21-09-2026	Cloudy sky / Light breeze	68.3	66.1
2	MK626	11-09-2026	Cloudy sky / Light breeze	43.1	40.3
	MK863	21-09-2026	Cloudy sky / Light breeze	43.1	41.9

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ENVIRONMENTAL MONITORING REPORT

NANDAN UG

KANHAN AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	NANDAN UG

REPORT PARTICULARS

URN No.	TC710226000002517F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SAM OFFICE NANDAN I UG (KNUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK540	06-09-2026	Cloudy sky / Light breeze	285	190	58	21	11
	MPK600	20-09-2026	Cloudy sky / Light breeze	338	226	66	24	12

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	NANDAN UG

REPORT PARTICULARS

URN No.	TC710226000002518F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	PIT OFFICE NANDAN II UG (KNUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK541	06-09-2026	Cloudy sky / Light breeze	275	180	52	20	BDL
	MPK601	20-09-2026	Cloudy sky / Light breeze	337	220	63	25	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	NANDAN UG

REPORT PARTICULARS

URN No.	TC710226000002519F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	HEALTH CENTER NANDAN UG (KNUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK728	03-09-2026	Rainy sky / Moderate breeze	***	78	37	14	BDL
	MK807	04-09-2026	Rainy sky / Moderate breeze	***	84	40	15	11
	MK739	10-09-2026	Cloudy sky / Calm	***	86	33	16	BDL
	MK818	11-09-2026	Cloudy sky / Calm	***	75	42	15	BDL
	MK750	17-09-2026	Cloudy sky / Calm	***	68	36	14	10
	MK829	18-09-2026	Cloudy sky / Calm	***	73	28	16	BDL
	MK761	24-09-2026	Rainy sky / Calm	***	84	32	17	12
	MK840	25-09-2026	Rainy sky / Calm	***	70	30	15	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	NANDAN UG

REPORT PARTICULARS

URN No.	TC710226000002520F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	NANDAN WATER FILTER PLANT (KNUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK729	03-09-2026	Rainy sky / Moderate breeze	***	74	32	14	BDL
	MK808	04-09-2026	Rainy sky / Moderate breeze	***	81	34	17	10
	MK740	10-09-2026	Cloudy sky / Calm	***	66	42	15	BDL
	MK819	11-09-2026	Cloudy sky / Calm	***	73	29	16	BDL
	MK751	17-09-2026	Cloudy sky / Calm	***	71	37	17	11
	MK830	18-09-2026	Cloudy sky / Calm	***	77	33	15	BDL
	MK762	24-09-2026	Rainy sky / Calm	***	82	40	14	BDL
	MK841	25-09-2026	Rainy sky / Calm	***	84	36	18	12

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	KANHAN
Name of Project	NANDAN UG

REPORT PARTICULARS

URN No.	TC710226000002523F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE UG II	KNUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY	KNUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MK635	11-09-2026	Cloudy sky / Light breeze	70.8	69.7
	MK872	21-09-2026	Cloudy sky / Light breeze	66.4	64.2
2	MK628	11-09-2026	Cloudy sky / Light breeze	43.0	42.7
	MK865	21-09-2026	Cloudy sky / Light breeze	43.3	41.6

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ENVIRONMENTAL MONITORING REPORT

SHARDA UG

KANHAN AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	SHARDA UG

REPORT PARTICULARS

URN No.	TC710226000002524F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	INCLINE SHARDA (KSUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK763	05-09-2026	Rainy sky / Moderate breeze	312	192	62	23	BDL
	MK842	19-09-2026	Cloudy sky / Calm	294	183	52	17	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	SHARDA UG

REPORT PARTICULARS

URN No.	TC710226000002525F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	UMARIA FADALI VILLAGE (KSUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK726	03-09-2026	Rainy sky / Moderate breeze	***	77	32	16	BDL
	MK805	04-09-2026	Rainy sky / Moderate breeze	***	75	37	15	10
	MK737	10-09-2026	Cloudy sky / Calm	***	69	29	14	BDL
	MK816	11-09-2026	Cloudy sky / Calm	***	86	41	17	12
	MK748	17-09-2026	Cloudy sky / Calm	***	78	32	16	BDL
	MK827	18-09-2026	Cloudy sky / Calm	***	66	38	15	BDL
	MK759	24-09-2026	Rainy sky / Calm	***	85	42	14	11
	MK838	25-09-2026	Rainy sky / Calm	***	80	39	16	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	SHARDA UG

REPORT PARTICULARS

URN No.	TC710226000002526F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	TATARWADA VILLAGE (KSUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK725	03-09-2026	Rainy sky / Moderate breeze	***	80	37	16	BDL
	MK804	04-09-2026	Rainy sky / Moderate breeze	***	82	29	17	11
	MK736	10-09-2026	Cloudy sky / Calm	***	77	32	15	BDL
	MK815	11-09-2026	Cloudy sky / Calm	***	76	35	14	BDL
	MK747	17-09-2026	Cloudy sky / Calm	***	79	28	15	10
	MK826	18-09-2026	Cloudy sky / Calm	***	78	40	16	BDL
	MK758	24-09-2026	Rainy sky / Calm	***	83	38	17	10
	MK837	25-09-2026	Rainy sky / Calm	***	84	35	15	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	SHARDA UG

REPORT PARTICULARS

URN No.	TC710226000002527F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	JAMUNBADA DARBAR VILLAGE (KSUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK727	03-09-2026	Rainy sky / Moderate breeze	***	70	30	15	BDL
	MK806	04-09-2026	Rainy sky / Moderate breeze	***	86	42	16	BDL
	MK738	10-09-2026	Cloudy sky / Calm	***	77	28	17	BDL
	MK817	11-09-2026	Cloudy sky / Calm	***	65	32	18	12
	MK749	17-09-2026	Cloudy sky / Calm	***	66	34	16	BDL
	MK828	18-09-2026	Cloudy sky / Calm	***	69	27	14	11
	MK760	24-09-2026	Rainy sky / Calm	***	82	38	15	BDL
	MK839	25-09-2026	Rainy sky / Calm	***	84	36	16	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	SHARDA UG

REPORT PARTICULARS

URN No.	TC710226000002528F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
5	STORE (KSUA5)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK764	05-09-2026	Rainy sky / Moderate breeze	288	183	53	17	10
	MK843	19-09-2026	Cloudy sky / Calm	294	224	60	19	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	KANHAN
Name of Project	SHARDA UG

REPORT PARTICULARS

URN No.	TC710226000002530F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	KSUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MK779	10-09-2026	16-09-2026 TO 15-10-2026	7.77	38	28	BDL	***
	MK858	19-09-2026	16-09-2026 TO 15-10-2026	7.38	48	32	BDL	***

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TEST REPORT

Noise Level Monitoring Report

Name of Area	KANHAN
Name of Project	SHARDA UG

REPORT PARTICULARS

URN No.	TC710226000002531F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	NEAR PIT OFFICE	KSUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	UMARIA FADALI VILLAGE	KSUN2	**Range**	20-130	20-130
3	TATARWADA VILLAGE	KSUN3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MK636	11-09-2026	Cloudy sky / Light breeze	44.8	42.6
	MK873	21-09-2026	Cloudy sky / Light breeze	47.3	45.4
2	MK629	11-09-2026	Cloudy sky / Light breeze	42.9	39.5
	MK866	21-09-2026	Cloudy sky / Light breeze	44.1	42.5
3	MK637	11-09-2026	Cloudy sky / Light breeze	43.2	41.2
	MK874	21-09-2026	Cloudy sky / Light breeze	44.4	42.6

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ENVIRONMENTAL MONITORING REPORT

TANDSI UG

KANHAN AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	TANDSI UG

REPORT PARTICULARS

URN No.	TC710226000002532F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	WORKSHOP (KTUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK544	07-09-2026	Cloudy sky / Light breeze	256	152	44	14	11
	MPK604	21-09-2026	Cloudy sky / Light breeze	244	143	40	13	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	TANDSI UG

REPORT PARTICULARS

URN No.	TC710226000002533F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	LAMP ROOM (KTUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK545	07-09-2026	Cloudy sky / Light breeze	266	190	52	20	10
	MPK605	21-09-2026	Cloudy sky / Light breeze	320	210	62	24	12

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	TANDSI UG

REPORT PARTICULARS

URN No.	TC710226000002534F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	COLONY NEAR HEALTH CENTER (KTUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK542	07-09-2026	Cloudy sky / Light breeze	***	82	37	14	12
	MPK602	21-09-2026	Cloudy sky / Light breeze	***	79	42	17	10

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	KANHAN
Name of Project	TANDSI UG

REPORT PARTICULARS

URN No.	TC710226000002535F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	JET HOSTEL (KTUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK543	07-09-2026	Cloudy sky / Light breeze	***	78	33	14	12
	MPK603	21-09-2026	Cloudy sky / Light breeze	***	81	36	16	10

Reported by	Reviewed by	Approved by
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	ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR
	TEST REPORT
	Wastewater Quality Monitoring Report
Name of Area	KANHAN
Name of Project	TANDSI UG

REPORT PARTICULARS			
URN No.	TC710226000002537F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	KAOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MK780	09-09-2026	16-09-2026 TO 15-10-2026	7.68	52	36	BDL	***
	MK859	18-09-2026	16-09-2026 TO 15-10-2026	7.56	42	32	BDL	***

Reported by	**Reviewed by**	**Approved by**
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	KANHAN
Name of Project	TANDSI UG

REPORT PARTICULARS

URN No.	TC710226000002538F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	KTUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY TANDSI	KTUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MK639	11-09-2026	Cloudy sky / Light breeze	69.9	68.1
	MK876	21-09-2026	Cloudy sky / Light breeze	67.7	65.5
2	MK630	11-09-2026	Cloudy sky / Light breeze	42.8	40.1
	MK867	21-09-2026	Cloudy sky / Light breeze	42.4	40.1

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

AREA HOSPITAL

PATHARKHEDA AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	AREA HOSPITAL

REPORT PARTICULARS

URN No.	TC710226000002642F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	AREA HOSPITAL (PKSUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-506	03-09-2026	CLEAR/LIGHTBREEZE	***	79	38	16	BDL
	MPK-566	04-09-2026	CLEAR/LIGHTBREEZE	***	87	43	18	11
	MPK-514	10-09-2026	CLEAR/LIGHTBREEZE	***	81	28	17	10
	MPK-574	11-09-2026	CLEAR/LIGHTBREEZE	***	71	36	15	BDL
	MPK-522	17-09-2026	CLEAR/LIGHTBREEZE	***	68	31	16	BDL
	MPK-582	18-09-2026	CLEAR/LIGHTBREEZE	***	73	40	17	12
	MPK-530	24-09-2026	CLEAR/LIGHTBREEZE	***	82	33	14	BDL
	MPK-590	25-09-2026	CLEAR/LIGHTBREEZE	***	76	37	15	BDL

Reported by	Reviewed by	Approved by
PRASHANT SOMKUWAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	AREA HOSPITAL

REPORT PARTICULARS

URN No.	TC710226000002643F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	AGM OFFICE (PKSUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-501	01-09-2026	CLOUDY/LIGHTBREEZE	***	83	35	16	10
	MPK-561	02-09-2026	CLOUDY/LIGHTBREEZE	***	75	33	17	11
	MPK-509	08-09-2026	CLOUDY/LIGHTBREEZE	***	81	40	18	BDL
	MPK-569	09-09-2026	CLOUDY/LIGHTBREEZE	***	73	35	16	12
	MPK-517	17-09-2026	CLOUDY/LIGHTBREEZE	***	78	33	15	BDL
	MPK-577	18-09-2026	CLOUDY/LIGHTBREEZE	***	69	30	14	BDL
	MPK-525	24-09-2026	CLOUDY/LIGHTBREEZE	***	72	37	18	11
	MPK-585	25-09-2026	CLOUDY/LIGHTBREEZE	***	68	33	16	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	AREA HOSPITAL

REPORT PARTICULARS

URN No.	TC710226000002644F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	PATHAKHERA COLONY (PKSUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-502	01-09-2026	CLOUDY/LIGHTBREEZE	***	75	37	15	BDL
	MPK-562	02-09-2026	CLOUDY/LIGHTBREEZE	***	69	35	16	11
	MPK-510	08-09-2026	CLOUDY/LIGHTBREEZE	***	77	31	14	BDL
	MPK-570	09-09-2026	CLOUDY/LIGHTBREEZE	***	69	29	15	BDL
	MPK-519	17-09-2026	CLOUDY/LIGHTBREEZE	***	82	34	16	10
	MPK-579	18-09-2026	CLOUDY/LIGHTBREEZE	***	69	37	17	BDL
	MPK-527	24-09-2026	CLOUDY/LIGHTBREEZE	***	81	42	16	BDL
	MPK-587	25-09-2026	CLOUDY/LIGHTBREEZE	***	76	33	18	12

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PATHAKHERA
Name of Project	AREA HOSPITAL

REPORT PARTICULARS

URN No.	TC710226000002645F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	COLONY SARNI	PKSUN2	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	AREA HOSPITAL/ SARNI MINE PREMISES	PKSUN3	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MPK553	11-09-2026	CLOUDY/LIGHTBREEZE	42.8	42.2
	MPK613	21-09-2026	CLOUDY/LIGHTBREEZE	43.4	42.3
2	MPK552	11-09-2026	CLOUDY/LIGHTBREEZE	43.7	42.4
	MPK612	21-09-2026	CLOUDY/LIGHTBREEZE	44.2	43.4

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ENVIRONMENTAL MONITORING REPORT

CHATTARPUR I & II UG

PATHARKHEDA AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	CHATTARPUR I & II UG

REPORT PARTICULARS

URN No.	TC710226000002646F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SUB STATION 1 UG (PKCUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-531	05-09-2026	CLOUDY/LIGHTBREEZE	342	219	61	22	11
	MPK-591	19-09-2026	CLOUDY/LIGHTBREEZE	328	204	57	20	11

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	CHATTARPUR I & II UG

REPORT PARTICULARS

URN No.	TC710226000002647F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SAM OFFICE (PKCUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-532	05-09-2026	CLOUDY/LIGHTBREEZE	334	218	63	25	11
	MPK-592	19-09-2026	CLOUDY/LIGHTBREEZE	308	205	58	23	12

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	CHATTARPUR I & II UG

REPORT PARTICULARS

URN No.	TC710226000002648F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	REGIONAL WORKSHOP (PKCUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-500	01-09-2026	CLOUDY/LIGHTBREEZE	***	82	40	18	12
	MPK-560	02-09-2026	CLOUDY/LIGHTBREEZE	***	71	38	14	BDL
	MPK-508	08-09-2026	CLOUDY/LIGHTBREEZE	***	83	35	15	BDL
	MPK-568	09-09-2026	CLOUDY/LIGHTBREEZE	***	79	37	18	10
	MPK-516	17-09-2026	CLOUDY/LIGHTBREEZE	***	75	31	17	BDL
	MPK-576	18-09-2026	CLOUDY/LIGHTBREEZE	***	80	44	16	BDL
	MPK-524	24-09-2026	CLOUDY/LIGHTBREEZE	***	78	34	18	11
	MPK-584	25-09-2026	CLOUDY/LIGHTBREEZE	***	84	42	17	BDL

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	CHATTARPUR I & II UG

REPORT PARTICULARS

URN No.	TC710226000002649F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	CHATTARPUR VILLAGE (PKCUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-499	01-09-2026	CLOUDY/LIGHTBREEZE	***	83	38	16	10
	MPK-557	02-09-2026	CLOUDY/LIGHTBREEZE	***	80	42	17	BDL
	MPK-507	08-09-2026	CLOUDY/LIGHTBREEZE	***	75	37	18	10
	MPK-567	09-09-2026	CLOUDY/LIGHTBREEZE	***	81	39	15	BDL
	MPK-515	17-09-2026	CLOUDY/LIGHTBREEZE	***	74	29	17	11
	MPK-575	18-09-2026	CLOUDY/LIGHTBREEZE	***	76	33	15	BDL
	MPK-523	24-09-2026	CLOUDY/LIGHTBREEZE	***	82	42	16	BDL
	MPK-583	25-09-2026	CLOUDY/LIGHTBREEZE	***	81	38	18	11

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	CHATTARPUR I & II UG

REPORT PARTICULARS

URN No.	TC710226000002651F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	PKCUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MPK-547	10-09-2026	16-08-2026 TO 15-09-2026	8.15	54	36	BDL	***
	MPK-607	24-09-2026	16-08-2026 TO 15-09-2026	8.09	42	32	BDL	***

Reported by	Reviewed by	Approved by
PRASHANT SOMKUWAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PATHAKHERA
Name of Project	CHATTARPUR I & II UG

REPORT PARTICULARS

URN No.	TC710226000002652F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	PKCUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	SHOBHAPUR COLONY	PKCUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MPK554	11-09-2026	CLOUDY/LIGHTBREEZE	71.4	70.3
	MPK614	21-09-2026	CLOUDY/LIGHTBREEZE	70.6	69.2
2	MPK550	11-09-2026	CLOUDY/LIGHTBREEZE	44.2	42.7
	MPK610	21-09-2026	CLOUDY/LIGHTBREEZE	44.2	42.3

Reported by	Reviewed by	Approved by
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DRINKING WATER QUALITY REPORT

PATHAKHERA AREA

JOB NUMBER: 4094423061

JULY 2026 TO SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	SARNI AREA HOSPITAL

REPORT PARTICULARS

URN No.	TC71022600002974F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	AREA HOSPITAL			**Date of Sampling**	12-07-2026	
Sl No	**Parameters**	**Unit**	**Range**		**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.86**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**92**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**14**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**0.04**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.65**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**208**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**27.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**5.83**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**57**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**9.21**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**100**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA - II UG

REPORT PARTICULARS

URN No.	TC71022600002975F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	PRESSURE FILTER			**Date of Sampling**	12-07-2026	
Sl No	**Parameters**	**Unit**	**Range**	**Test Method**	**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.92**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**104**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**16**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**0.04**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.75**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**234**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**25.6**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**9.72**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**43**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**8.74**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**92**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
PRASHANT SOMKUWAR (CHEMIST)	YOGESH PIDURKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA UG

REPORT PARTICULARS

URN No.	TC71022600002976F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	PRESSURE FILTER	**Date of Sampling**	12-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.84**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**96**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**14**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**0.03**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.63**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**322**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**27.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**6.80**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**52**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**10.24**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**100**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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ENVIRONMENTAL MONITORING REPORT

TAWA II UG

PATHARKHEDA AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA-II UG

REPORT PARTICULARS

URN No.	TC710226000002653F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	CANTEEN BUILDING II (PKT2UA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-535	05-09-2026	CLEAR/LIGHTBREEZE	324	205	62	23	10
	mpk-595	19-09-2026	CLEAR/LIGHTBREEZE	289	186	56	21	11

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA-II UG

REPORT PARTICULARS

URN No.	TC710226000002654F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SAM OFFICE (PKT2UA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-536	06-09-2026	CLEAR/LIGHTBREEZE	321	207	63	24	12
	MPK-596	20-09-2026	CLEAR/LIGHTBREEZE	311	187	57	21	10

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA-II UG

REPORT PARTICULARS

URN No.	TC710226000002655F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	MPEB COLONY (PKTUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-504	03-09-2026	CLEAR/LIGHTBREEZE	***	81	29	16	BDL
	MPK-564	04-09-2026	CLEAR/LIGHTBREEZE	***	76	43	15	BDL
	MPK-512	10-09-2026	CLEAR/LIGHTBREEZE	***	91	38	17	11
	MPK-572	11-09-2026	CLEAR/LIGHTBREEZE	***	85	29	16	10
	MPK-520	17-09-2026	CLEAR/LIGHTBREEZE	***	74	40	18	12
	MPK-580	18-09-2026	CLEAR/LIGHTBREEZE	***	83	38	16	BDL
	MPK-528	24-09-2026	CLEAR/LIGHTBREEZE	***	71	33	18	12
	MPK-588	25-09-2026	CLEAR/LIGHTBREEZE	***	69	30	16	10

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA-II UG

REPORT PARTICULARS

URN No.	TC710226000002656F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	HIRA PALLA / BHAGAIKHAPA VILLAGE (PKT2UA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-503	03-09-2026	CLEAR/LIGHTBREEZE	***	89	42	16	11
	MPK-563	04-09-2026	CLEAR/LIGHTBREEZE	***	73	38	17	10
	MPK-511	10-09-2026	CLEAR/LIGHTBREEZE	***	81	28	18	12
	MPK-571	11-09-2026	CLEAR/LIGHTBREEZE	***	70	37	16	BDL
	MPK-519	17-09-2026	CLEAR/LIGHTBREEZE	***	74	34	17	BDL
	MPK-579	18-09-2026	CLEAR/LIGHTBREEZE	***	83	73	15	BDL
	MPK-527	24-09-2026	CLEAR/LIGHTBREEZE	***	76	32	18	10
	MPK-587	25-09-2026	CLEAR/LIGHTBREEZE	***	84	40	16	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA-II UG

REPORT PARTICULARS

URN No.	TC710226000002658F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	PKT2UW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MPK-546	10-09-2026	16-09-2026 TO 15-10-2026	8.3	44	36	BDL	***
	MPK-606	24-09-2026	16-09-2026 TO 15-10-2026	8.21	52	44	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA-II UG

REPORT PARTICULARS

URN No.	TC710226000002659F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	PKTUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	PATHAKHERA COLONY	PKTUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MPK555	11-09-2026	CLOUDY/LIGHTBREEZE	70.7	69.2
	MPK615	21-09-2026	CLOUDY/LIGHTBREEZE	69.4	68.7
2	MPK551	11-09-2026	CLOUDY/LIGHTBREEZE	43.6	42.4
	MPK611	21-09-2026	CLOUDY/LIGHTBREEZE	43.4	42.2

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

TAWA III UG

PATHARKHEDA AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA-III UG

REPORT PARTICULARS

URN No.	TC710226000002660F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	NEAR INCLINE (PKT3UA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-537	06-09-2026	CLEAR/LIGHTBREEZE	314	204	63	23	11
	MPK-597	20-09-2026	CLEAR/LIGHTBREEZE	279	187	57	21	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA-III UG

REPORT PARTICULARS

URN No.	TC710226000002661F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	NEAR MINE ENTRANCE (PKT3UA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-538	06-09-2026	CLEAR/LIGHTBREEZE	348	219	67	25	12
	MPK-598	20-09-2026	CLEAR/LIGHTBREEZE	318	204	59	22	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA-III UG

REPORT PARTICULARS

URN No.	TC710226000002662F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	GANDHIGRAM VILLAGE (PKT3UA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-505	03-09-2026	CLEAR/LIGHTBREEZE	***	82	38	16	BDL
	MPK-565	04-09-2026	CLEAR/LIGHTBREEZE	***	73	41	17	11
	MPK-513	10-09-2026	CLEAR/LIGHTBREEZE	***	71	35	15	BDL
	MPK-573	11-09-2026	CLEAR/LIGHTBREEZE	***	68	30	14	BDL
	MPK-521	17-09-2026	CLEAR/LIGHTBREEZE	***	73	41	13	BDL
	MPK-581	18-09-2026	CLEAR/LIGHTBREEZE	***	79	35	18	10
	MPK-529	24-09-2026	CLEAR/LIGHTBREEZE	***	84	31	16	BDL
	MPK-589	25-09-2026	CLEAR/LIGHTBREEZE	***	76	35	17	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA-III UG

REPORT PARTICULARS

URN No.	TC710226000002663F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	HIRA PALLA / BHAGAIKHAPA VILLAGE (PKT2UA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-503	03-09-2026	CLEAR/LIGHTBREEZE	***	89	42	16	11
	MPK-563	04-09-2026	CLEAR/LIGHTBREEZE	***	73	38	17	10
	MPK-511	10-09-2026	CLEAR/LIGHTBREEZE	***	81	28	18	12
	MPK-571	11-09-2026	CLEAR/LIGHTBREEZE	***	70	37	16	BDL
	MPK-519	17-09-2026	CLEAR/LIGHTBREEZE	***	74	34	17	BDL
	MPK-579	18-09-2026	CLEAR/LIGHTBREEZE	***	83	73	15	BDL
	MPK-527	24-09-2026	CLEAR/LIGHTBREEZE	***	76	32	18	10
	MPK-587	25-09-2026	CLEAR/LIGHTBREEZE	***	84	40	16	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA-III UG

REPORT PARTICULARS

URN No.	TC710226000002665F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	PKT3UW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MPK-549	10-09-2026	16-08-2026 TO 15-09-2026	8.11	44	28	BDL	***
	MPK-609	24-09-2026	16-08-2026 TO 15-09-2026	8.02	56	32	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA-III UG

REPORT PARTICULARS

URN No.	TC710226000002666F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	NEAR INCLINE	PKT3UN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	HIRAPALLA VILLAGE	PKT2UN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MPK557	11-09-2026	CLOUDY/LIGHTBREEZE	46.6	44.3
	MPK617	21-09-2026	CLOUDY/LIGHTBREEZE	46.7	42.5
2	MPK558	11-09-2026	CLOUDY/LIGHTBREEZE	42.7	42.2
	MPK618	21-09-2026	CLOUDY/LIGHTBREEZE	42.6	42.4

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ENVIRONMENTAL MONITORING REPORT

TAWA UG

PATHARKHEDA AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA UG

REPORT PARTICULARS

URN No.	TC710226000002667F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SAM OFFICE (PKTUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-533	05-09-2026	CLEAR/LIGHTBREEZE	318	204	62	23	10
	MPK-593	19-09-2026	CLEAR/LIGHTBREEZE	307	186	57	21	11

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA UG

REPORT PARTICULARS

URN No.	TC710226000002668F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	PIT OFFICE (PKT2UA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-534	05-09-2026	CLEAR/LIGHTBREEZE	318	214	64	22	12
	MPK-594	20-09-2026	CLEAR/LIGHTBREEZE	305	174	58	19	BDL

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA UG

REPORT PARTICULARS

URN No.	TC710226000002669F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	MPEB COLONY (PKTUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-504	03-09-2026	CLEAR/LIGHTBREEZE	***	81	29	16	BDL
	MPK-564	04-09-2026	CLEAR/LIGHTBREEZE	***	76	43	15	BDL
	MPK-512	10-09-2026	CLEAR/LIGHTBREEZE	***	91	38	17	11
	MPK-572	11-09-2026	CLEAR/LIGHTBREEZE	***	85	29	16	10
	MPK-520	17-09-2026	CLEAR/LIGHTBREEZE	***	74	40	18	12
	MPK-580	18-09-2026	CLEAR/LIGHTBREEZE	***	83	38	16	BDL
	MPK-528	24-09-2026	CLEAR/LIGHTBREEZE	***	71	33	18	12
	MPK-588	25-09-2026	CLEAR/LIGHTBREEZE	***	69	30	16	10

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA UG

REPORT PARTICULARS

URN No.	TC710226000002670F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	HIRA PALLA / BHAGAIKHAPA VILLAGE (PKT2UA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MPK-503	03-09-2026	CLEAR/LIGHTBREEZE	***	89	42	16	11
	MPK-563	04-09-2026	CLEAR/LIGHTBREEZE	***	73	38	17	10
	MPK-511	10-09-2026	CLEAR/LIGHTBREEZE	***	81	28	18	12
	MPK-571	11-09-2026	CLEAR/LIGHTBREEZE	***	70	37	16	BDL
	MPK-519	17-09-2026	CLEAR/LIGHTBREEZE	***	74	34	17	BDL
	MPK-579	18-09-2026	CLEAR/LIGHTBREEZE	***	83	73	15	BDL
	MPK-527	24-09-2026	CLEAR/LIGHTBREEZE	***	76	32	18	10
	MPK-587	25-09-2026	CLEAR/LIGHTBREEZE	***	84	40	16	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA UG

REPORT PARTICULARS

URN No.	TC710226000002672F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	PKTUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MPK-548	10-09-2026	16-08-2026 TO 15-09-2026	8.3	42	36	BDL	***
	MPK-608	24-09-2026	16-08-2026 TO 15-09-2026	8.21	56	44	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PATHAKHERA
Name of Project	TAWA UG

REPORT PARTICULARS

URN No.	TC710226000002673F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	PKTUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	PATHAKHERA COLONY TAWA	PKTUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MPK556	11-09-2026	CLOUDY/LIGHTBREEZE	68.7	67.6
	MPK378	21-09-2026	CLOUDY/LIGHTBREEZE	69.7	68.2
2	MPK551	11-09-2026	CLOUDY/LIGHTBREEZE	43.6	42.4
	MPK611	21-09-2026	CLOUDY/LIGHTBREEZE	43.4	42.2

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ENVIRONMENTAL MONITORING REPORT

BG SIDING

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	BG SIDING

REPORT PARTICULARS

URN No.	TC710226000002674F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE (PBGSA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK772	06-09-2026	RAINY SKY / MODERATE BREEZE	215	134	39	14	BDL
	MK851	20-09-2026	CLOUDY SKY / CALM	269	156	45	19	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	BG SIDING

REPORT PARTICULARS

URN No.	TC710226000002675F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	CHECK POST (PBGSA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK774	07-09-2026	CLOUDY SKY / CALM	287	186	50	21	14
	MK853	21-09-2026	CLOUDY SKY / CALM	267	159	39	15	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	BG SIDING

REPORT PARTICULARS

URN No.	TC710226000002676F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	GUEST HOUSE PARASIA (PMUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK720	01-09-2026	RAINY SKY / MODERATE BREEZE	***	49	15	10	BDL
	MK799	02-09-2026	RAINY SKY / MODERATE BREEZE	***	52	18	12	BDL
	MK731	08-09-2026	CLOUDY SKY / CALM	***	72	27	14	BDL
	MK810	09-09-2026	CLOUDY SKY / CALM	***	76	24	8	BDL
	MK742	18-09-2026	CLOUDY SKY / CALM	***	84	36	12	BDL
	MK821	19-09-2026	CLOUDY SKY / CALM	***	69	26	10	BDL
	MK753	25-09-2026	CLOUDY SKY / CALM	***	73	30	11	BDL
	MK832	26-09-2026	CLOUDY SKY / CALM	***	67	22	9	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	BG SIDING

REPORT PARTICULARS

URN No.	TC710226000002677F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	COLONY EDC DISPENSARY (PMUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK719	01-09-2026	RAINY SKY / MODERATE BREEZE	***	56	18	8	BDL
	MK798	02-09-2026	RAINY SKY / MODERATE BREEZE	***	45	15	7	BDL
	MK730	08-09-2026	CLOUDY SKY / CALM	***	78	29	12	BDL
	MK809	09-09-2026	CLOUDY SKY / CALM	***	69	28	10	BDL
	MK741	18-09-2026	CLOUDY SKY / CALM	***	76	30	13	BDL
	MK820	19-09-2026	CLOUDY SKY / CALM	***	58	16	10	BDL
	MK752	25-09-2026	CLOUDY SKY / CALM	***	65	20	11	BDL
	MK831	26-09-2026	CLOUDY SKY / CALM	***	75	26	12	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	PENCH
Name of Project	BG SIDING

REPORT PARTICULARS

URN No.	TC710226000002679F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	GROUND WATER	PBGSW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MP945	07-09-2026	16-09-2026 TO 15-10-2026	7.71	22	44	BDL	***
	MP1038	21-09-2026	16-09-2026 TO 15-10-2026	7.61	24	52	BDL	***

Reported by	Reviewed by	Approved by
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TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	BG SIDING

REPORT PARTICULARS

URN No.	TC710226000002680F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE	PBGSN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY GUEST HOUSE PARASIA	PMUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP969	11-09-2026	CLEAR SKY / CALM	46.2	43.1
	MP1062	24-09-2026	CLEAR SKY / CALM	47.3	44.4
2	MP951	11-09-2026	CLEAR SKY / CALM	45.4	43.9
	MP1044	24-09-2026	CLEAR SKY / CALM	45.5	43.7

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

BARKUHI HOSPITAL

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	BARKUHI HOSPITAL

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002681F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	BARKHUHI HOSPITAL		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK778	07-09-2026	CLOUDY SKY / LIGHT BREEZE	***	87	32	15	BDL
	MK857	21-09-2026	CLOUDY SKY / CALM	***	72	24	10	BDL

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	BARKUHI HOSPITAL

REPORT PARTICULARS

URN No.	TC710226000002687F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	BARKUHI HOSPITAL	PBON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
			Range	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP970	11-09-2026	CLEAR SKY / CALM	44.9	43.1
	MP1063	24-09-2026	CLEAR SKY / CALM	44.7	42.8

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

CHANDAMETA WORKSHOP

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	CHANDAMETA WORKSHOP

REPORT PARTICULARS

URN No.	TC710226000002688F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	CHANDAMETA WORKSHOP (PCWA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP936	07-09-2026	RAINY SKY / CALM	210	120	32	15	10
	MP1029	21-09-2026	CLEAR SKY / CALM	275	176	46	19	14

Reported by	Reviewed by	Approved by
YOGESH PIDURKAR (CHEMIST)	Dr. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	PENCH
Name of Project	CHANDAMETA WORKSHOP

REPORT PARTICULARS

URN No.	TC710226000002693F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	ETP DISCHARGE	PCWW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MP947	07-09-2026	16-09-2026 TO 15-10-2026	8.17	22	40	BDL	***
	MP1041	21-09-2026	16-09-2026 TO 15-10-2026	8.11	18	44	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	CHANDAMETA WORKSHOP

REPORT PARTICULARS

URN No.	TC710226000002694F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	NEAR CHANDAMETA WORKSHOP	PCWN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
			Range	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP956	11-09-2026	CLEAR SKY / CALM	46.9	44.4
	MP1049	24-09-2026	CLEAR SKY / CALM	46.8	44.7

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ENVIRONMENTAL MONITORING REPORT

CHINDA OC

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
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CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	CHINDA OC

REPORT PARTICULARS

URN No.	TC710226000002695F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	CHINDA OC SITE (PCOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP934	07-09-2026	RAINY SKY/ CALM	198	104	28	11	BDL
	MP1027	21-09-2026	CLEAR SKY / CALM	256	156	39	15	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	CHINDA OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002696F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SAM OFFICE (PCOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP933	07-09-2026	RAINY SKY/ CALM	220	136	29	10	BDL
	MP1026	21-09-2026	CLEAR SKY / CALM	275	182	39	16	12

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	CHINDA OC

REPORT PARTICULARS

URN No.	TC710226000002697F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	CHINDA VILLAGE (PCOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP879	01-09-2026	CLOUDY SKY / CALM	***	78	36	12	BDL
	MP972	02-09-2026	RAINY SKY / LIGHT BREEZE	***	52	17	10	BDL
	MP889	08-09-2026	CLOUDY SKY / CALM	***	64	26	13	BDL
	MP982	09-09-2026	RAINY SKY / LIGHT BREEZE	***	51	18	11	BDL
	MP899	15-09-2026	CLOUDY SKY / CALM	***	76	35	7	BDL
	MP992	16-09-2026	CLOUDY SKY / CALM	***	79	2	9	BDL
	MP909	22-09-2026	CLOUDY SKY / CALM	***	84	39	13	BDL
	MP1002	23-09-2026	CLOUDY SKY / CALM	***	74	32	12	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	CHINDA OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002698F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	CHINDA COLONY (PCOA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP880	01-09-2026	CLOUDY SKY / CALM	***	70	32	10	BDL
	MP973	02-09-2026	RAINY SKY / LIGHT BREEZE	***	48	15	13	BDL
	MP890	08-09-2026	CLOUDY SKY / CALM	***	69	19	10	BDL
	MP983	09-09-2026	RAINY SKY / LIGHT BREEZE	***	45	17	9	BDL
	MP900	15-09-2026	CLOUDY SKY / CALM	***	92	32	11	BDL
	MP993	16-09-2026	CLOUDY SKY / CALM	***	69	24	10	BDL
	MP910	22-09-2026	CLOUDY SKY / CALM	***	72	36	12	BDL
	MP1003	23-09-2026	CLOUDY SKY / CALM	***	87	39	14	BDL

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	ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR
	TEST REPORT
	Wastewater Quality Monitoring Report
Name of Area	PENCH
Name of Project	NEW SETHIA OC

REPORT PARTICULARS			
URN No.	TC710226000002700F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	PSOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MP940	02-09-2026	16-09-2026 TO 15-10-2026	8.16	16	28	BDL	***
	MP1033	17-09-2026	16-09-2026 TO 15-10-2026	7.77	22	44	BDL	***

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YOGESH PIDURKAR (CHEMIST)	Dr. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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	ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR
TC-7102	**TEST REPORT**
	Noise Level Monitoring Report
Name of Area	PENCH
Name of Project	NEW SETHIA OC

REPORT PARTICULARS			
URN No.	TC710226000002701F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	NEAR MANAGER OFFICE	PSON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	CHINDA COLONY	PCON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP957	11-09-2026	CLEAR SKY / CALM	46.4	44.4
	MP1050	24-09-2026	CLEAR SKY / CALM	47.8	45.8
2	MP949	11-09-2026	CLEAR SKY / CALM	45.2	43.8
	MP1042	24-09-2026	CLEAR SKY / CALM	45.8	43.1

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ENVIRONMENTAL MONITORING REPORT

DHANKASA UG

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	DHANKASA UG

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002702F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	CHARUN KHAPA (PDUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP888	03-09-2026	RAINY / CALM	***	52	22	10	BDL
	MP981	04-09-2026	RAINY / CALM	***	57	18	11	BDL
	MP898	10-09-2026	CLEAR SKY / CALM	***	69	30	12	BDL
	MP991	11-09-2026	CLEAR SKY / CALM	***	72	29	10	BDL
	MP908	17-09-2026	CLOUDY SKY / CALM	***	79	37	14	BDL
	MP1001	18-09-2026	CLOUDY SKY / CALM	***	77	36	12	BDL
	MP918	24-09-2026	RAINY / CALM	***	56	30	10	BDL
	MP1011	25-09-2026	RAINY / CALM	***	48	18	14	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	DHANKASA UG

REPORT PARTICULARS

URN No.	TC710226000002703F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	BANKI VILLAGE (PDUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP887	03-09-2026	RAINY / CALM	***	59	24	12	BDL
	MP980	04-09-2026	RAINY / CALM	***	45	18	14	BDL
	MP897	10-09-2026	CLEAR SKY / CALM	***	78	30	10	BDL
	MP990	11-09-2026	CLEAR SKY / CALM	***	70	36	12	BDL
	MP907	17-09-2026	CLOUDY SKY / CALM	***	69	28	9	BDL
	MP1000	18-09-2026	CLOUDY SKY / CALM	***	78	32	10	BDL
	MP917	24-09-2026	RAINY / CALM	***	56	22	8	BDL
	MP1010	25-09-2026	RAINY / CALM	***	51	19	9	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	DHANKASA UG

REPORT PARTICULARS

URN No.	TC710226000002704F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	MANAGER OFFICE (PDUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP919	05-09-2026	CLOUDY SKY / CALM	298	187	45	22	16
	MP1012	19-09-2026	CLOUDY /CALM	324	214	62	29	18

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	DHANKASA UG

REPORT PARTICULARS

URN No.	TC710226000002705F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	SUBSTATION OFFICE (PDUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP920	05-09-2026	CLOUDY SKY / CALM	287	198	41	19	10
	MP1013	19-09-2026	CLOUDY /CALM	310	202	52	24	15

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	ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR
	TEST REPORT
	Wastewater Quality Monitoring Report
Name of Area	PENCH
Name of Project	DHANKASA UG

REPORT PARTICULARS			
URN No.	TC710226000002707F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	PDUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MP941	04-09-2026	16-09-2026 TO 15-10-2026	8.32	28	52	BDL	***
	MP1034	17-09-2026	16-09-2026 TO 15-10-2026	8.05	24	48	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	DHANKASA UG

REPORT PARTICULARS			
URN No.	TC710226000002708F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	CHARUNKHAPA VILLAGE	PDUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	MANAGER OFFICE	PDUN2	**Range**	20-130	20-130
3	SUBSTATION	PDUN3	**Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules**	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP950	11-09-2026	CLEAR SKY / CALM	45.8	43.5
	MP1043	24-09-2026	CLEAR SKY / CALM	45.8	43.7
2	MP958	11-09-2026	CLEAR SKY / CALM	47.4	45.8
	MP1051	24-09-2026	CLEAR SKY / CALM	46.4	44.8
3	MP959	11-09-2026	CLEAR SKY / CALM	46.9	44.7
	MP1052	24-09-2026	CLEAR SKY / CALM	47.5	44.9

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ENVIRONMENTAL MONITORING REPORT

EDC SIDING

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	EDC SIDING

REPORT PARTICULARS			
URN No.	TC710226000002709F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE (PEDCA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK773	07-09-2026	CLOUDY SKY / LIGHT BREEZE	287	176	51	19	10
	MK852	21-09-2026	CLOUDY SKY / CALM	268	157	39	12	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	EDC SIDING

REPORT PARTICULARS

URN No.	TC710226000002710F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	CHECK POST (PEDCA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK775	07-09-2026	CLOUDY SKY / LIGHT BREEZE	336	214	56	24	15
	MK854	21-09-2026	CLOUDY SKY / CALM	289	158	35	15	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	EDC SIDING

REPORT PARTICULARS

URN No.	TC710226000002711F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	GUEST HOUSE PARASIA (PMUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK720	01-09-2026	RAINY SKY / MODERATE BREEZE	***	49	15	10	BDL
	MK799	02-09-2026	RAINY SKY / MODERATE BREEZE	***	52	18	12	BDL
	MK731	08-09-2026	CLOUDY SKY / CALM	***	72	27	14	BDL
	MK810	09-09-2026	CLOUDY SKY / CALM	***	76	24	8	BDL
	MK742	18-09-2026	CLOUDY SKY / CALM	***	84	36	12	BDL
	MK821	19-09-2026	CLOUDY SKY / CALM	***	69	26	10	BDL
	MK753	25-09-2026	CLOUDY SKY / CALM	***	73	30	11	BDL
	MK832	26-09-2026	CLOUDY SKY / CALM	***	67	22	9	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	EDC SIDING

REPORT PARTICULARS

URN No.	TC710226000002712F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	COLONY EDC DISPENSARY (PMUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK719	01-09-2026	RAINY SKY / MODERATE BREEZE	***	56	18	8	BDL
	MK798	02-09-2026	RAINY SKY / MODERATE BREEZE	***	45	15	7	BDL
	MK730	08-09-2026	CLOUDY SKY / CALM	***	78	29	12	BDL
	MK809	09-09-2026	CLOUDY SKY / CALM	***	69	28	10	BDL
	MK741	18-09-2026	CLOUDY SKY / CALM	***	76	30	13	BDL
	MK820	19-09-2026	CLOUDY SKY / CALM	***	58	16	10	BDL
	MK752	25-09-2026	CLOUDY SKY / CALM	***	65	20	11	BDL
	MK831	26-09-2026	CLOUDY SKY / CALM	***	75	26	12	BDL

Reported by	Reviewed by	Approved by
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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	PENCH
Name of Project	EDC SIDING

REPORT PARTICULARS

URN No.	TC710226000002714F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	GROUND WATER	PEDCW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MP937	07-09-2026	16-09-2026 TO 15-10-2026	7.49	18	32	BDL	***
	MP1030	21-09-2026	16-09-2026 TO 15-10-2026	7.42	16	28	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	EDC SIDING

REPORT PARTICULARS

URN No.	TC710226000002715F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE	PEDCN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY GUEST HOUSE PARASIA	PMUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP971	11-09-2026	CLEAR SKY / CALM	47.7	44.9
	MP1064	24-09-2026	CLEAR SKY / CALM	47.5	44.1
2	MP951	11-09-2026	CLEAR SKY / CALM	45.4	43.9
	MP1044	24-09-2026	CLEAR SKY / CALM	45.5	43.7

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ENVIRONMENTAL MONITORING REPORT

JAMUNIA UG

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	JAMUNIA UG

REPORT PARTICULARS			
URN No.	TC710226000002716F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MANAGER OFFICE (PJUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP921	05-09-2026	CLOUDY SKY / CALM	249	12	39	18	12
	MP1014	19-09-2026	CLOUDY SKY / CALM	289	189	50	21	16

Reported by	**Reviewed by**	**Approved by**
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	JAMUNIA UG

REPORT PARTICULARS

URN No.	TC710226000002717F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SUBSTATION (PJUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP922	05-09-2026	CLOUDY SKY / CALM	298	189	52	22	14
	MP1015	19-09-2026	CLOUDY SKY / CALM	277	155	40	17	10

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	JAMUNIA UG

REPORT PARTICULARS

URN No.	TC710226000002718F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	JAMUNIA VILLAGE (PJUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP886	03-09-2026	RAINY /CALM	***	62	25	12	BDL
	MP979	04-09-2026	RAINY /CALM	***	57	22	10	BDL
	MP896	10-09-2026	CLEAR SKY / CALM	***	81	34	14	BDL
	MP989	11-09-2026	CLEAR SKY / CALM	***	84	39	10	BDL
	MP906	17-09-2026	CLOUDY SKY / CALM	***	77	36	12	BDL
	MP999	18-09-2026	CLOUDY SKY / CALM	***	69	30	10	BDL
	MP916	24-09-2026	RAINY /CALM	***	52	19	13	BDL
	MP1009	25-09-2026	RAINY /CALM	***	49	18	10	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	JAMUNIA UG

REPORT PARTICULARS

URN No.	TC710226000002719F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	BOKAI TOWNSHIP (PNUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP885	03-09-2026	RAINY /CALM	***	50	15	8	BDL
	MP978	04-09-2026	RAINY /CALM	***	46	18	10	BDL
	MP895	10-09-2026	CLEAR SKY / CALM	***	74	31	9	BDL
	MP988	11-09-2026	CLEAR SKY / CALM	***	79	32	12	BDL
	MP905	17-09-2026	CLOUDY SKY / CALM	***	85	34	14	BDL
	MP998	18-09-2026	CLOUDY SKY / CALM	***	91	39	10	BDL
	MP915	24-09-2026	RAINY /CALM	***	64	30	13	BDL
	MP1008	25-09-2026	RAINY /CALM	***	53	22	10	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	JAMUNIA UG

REPORT PARTICULARS

URN No.	TC710226000002722F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE	PJUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	JAMUNIA VILLAGE	PJUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP961	11-09-2026	CLEAR SKY / CALM	46.7	44.9
	MP1054	24-09-2026	CLEAR SKY / CALM	45.9	43.7
2	MP960	11-09-2026	CLEAR SKY / CALM	45.4	43.4
	MP1053	24-09-2026	CLEAR SKY / CALM	45.7	43.6

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ENVIRONMENTAL MONITORING REPORT

MAHADEOPURI UG

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
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CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	MAHADEOPURI UG

REPORT PARTICULARS			
URN No.	TC710226000002723F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	LAMP ROOM		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK777	07-09-2026	CLOUDY SKY / LIGHT BREEZE	269	167	40	16	11
	MK856	21-09-2026	CLOUDY SKY / CALM	257	136	28	15	10

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	MAHADEOPURI UG

REPORT PARTICULARS

URN No.	TC710226000002724F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	MANAGER OFFICE (PMUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK776	07-09-2026	CLOUDY SKY / LIGHT BREEZE	288	175	48	17	13
	MK855	21-09-2026	CLOUDY SKY / CALM	302	198	53	19	14

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	MAHADEOPURI UG

REPORT PARTICULARS

URN No.	TC710226000002725F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	GUEST HOUSE PARASIA (PMUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK720	01-09-2026	RAINY SKY / MODERATE BREEZE	***	49	15	10	BDL
	MK799	02-09-2026	RAINY SKY / MODERATE BREEZE	***	52	18	12	BDL
	MK731	08-09-2026	CLOUDY SKY / CALM	***	72	27	14	BDL
	MK810	09-09-2026	CLOUDY SKY / CALM	***	76	24	8	BDL
	MK742	18-09-2026	CLOUDY SKY / CALM	***	84	36	12	BDL
	MK821	19-09-2026	CLOUDY SKY / CALM	***	69	26	10	BDL
	MK753	25-09-2026	CLOUDY SKY / CALM	***	73	30	11	BDL
	MK832	26-09-2026	CLOUDY SKY / CALM	***	67	22	9	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	MAHADEOPURI UG

REPORT PARTICULARS

URN No.	TC710226000002726F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	COLONY EDC DISPENSARY (PMUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MK719	01-09-2026	RAINY SKY / MODERATE BREEZE	***	56	18	8	BDL
	MK798	02-09-2026	RAINY SKY / MODERATE BREEZE	***	45	15	7	BDL
	MK730	08-09-2026	CLOUDY SKY / CALM	***	78	29	12	BDL
	MK809	09-09-2026	CLOUDY SKY / CALM	***	69	28	10	BDL
	MK741	18-09-2026	CLOUDY SKY / CALM	***	76	30	13	BDL
	MK820	19-09-2026	CLOUDY SKY / CALM	***	58	16	10	BDL
	MK752	25-09-2026	CLOUDY SKY / CALM	***	65	20	11	BDL
	MK831	26-09-2026	CLOUDY SKY / CALM	***	75	26	12	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	PENCH
Name of Project	MAHADEOPURI UG

REPORT PARTICULARS

URN No.	TC710226000002728F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	PMUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MP942	07-09-2026	16-09-2026 TO 15-10-2026	7.97	24	52	BDL	***
	MP1035	21-09-2026	16-09-2026 TO 15-10-2026	7.96	24	48	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	MAHADEOPURI UG

REPORT PARTICULARS

URN No.	TC710226000002729F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	PMUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY	PMUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP962	11-09-2026	CLEAR SKY / CALM	69.1	67.2
	MP1055	24-09-2026	CLEAR SKY / CALM	69.2	67.4
2	MP951	11-09-2026	CLEAR SKY / CALM	45.4	43.9
	MP1044	24-09-2026	CLEAR SKY / CALM	45.5	43.7

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ENVIRONMENTAL MONITORING REPORT

NEHARIA UG

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	NEHARIA UG

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002730F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SAM OFFICE (PNUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP925	06-09-2026	CLOUDY SKY /CALM	279	160	41	17	12
	MP1018	20-09-2026	CLOUDY SKY /CALM	314	189	56	23	14

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	NEHARIA UG

REPORT PARTICULARS

URN No.	TC710226000002731F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	LAMP ROOM / SUBSTATION (PNUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP926	06-09-2026	CLOUDY SKY /CALM	277	159	39	14	11
	MP1019	20-09-2026	CLOUDY SKY /CALM	288	178	52	18	13

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	NEHARIA UG

REPORT PARTICULARS

URN No.	TC710226000002732F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	NEHARIA VILLAGE (PNUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP884	03-09-2026	RAINY SKY / LIGHT BREEZE	***	54	19	10	BDL
	MP977	04-09-2026	RAINY SKY / LIGHT BREEZE	***	59	21	8	BDL
	MP894	10-09-2026	CLOUDY SKY / CALM	***	78	27	9	BDL
	MP987	11-09-2026	CLOUDY SKY / CALM	***	72	28	14	BDL
	MP904	17-09-2026	CLOUDY SKY / CALM	***	94	36	10	BDL
	MP997	18-09-2026	CLOUDY SKY / CALM	***	73	32	12	BDL
	MP914	24-09-2026	RAINY SKY / LIGHT BREEZE	***	56	17	11	BDL
	MP1007	25-09-2026	RAINY SKY / LIGHT BREEZE	***	60	18	8	BDL

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	NEHARIA UG

REPORT PARTICULARS

URN No.	TC710226000002733F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	BOKAI TOWNSHIP (PNUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP885	03-09-2026	RAINY /CALM	***	50	15	8	BDL
	MP978	04-09-2026	RAINY /CALM	***	46	18	10	BDL
	MP895	10-09-2026	CLEAR SKY / CALM	***	74	31	9	BDL
	MP988	11-09-2026	CLEAR SKY / CALM	***	79	32	12	BDL
	MP905	17-09-2026	CLOUDY SKY / CALM	***	85	34	14	BDL
	MP998	18-09-2026	CLOUDY SKY / CALM	***	91	39	10	BDL
	MP915	24-09-2026	RAINY /CALM	***	64	30	13	BDL
	MP1008	25-09-2026	RAINY /CALM	***	53	22	10	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	PENCH
Name of Project	NEHARIA UG

REPORT PARTICULARS

URN No.	TC710226000002735F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	PNUW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	PNUW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l

Sl. No.	Sample Code	Date of Sampling	Date of Testing	pH	TSS	COD	Oil & Grease	BOD
1	MP943	04-09-2026	16-09-2026 TO 15-10-2026	8.18	22	36	BDL	***
	MP1036	17-09-2026	16-09-2026 TO 15-10-2026	7.99	16	28	BDL	***
2	MP948	04-09-2026	16-09-2026 TO 15-10-2026	8.08	18	32	BDL	***
	MP1041	17-09-2026	16-09-2026 TO 15-10-2026	8.08	22	44	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	NEHARIA UG

REPORT PARTICULARS			
URN No.	TC710226000002736F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE	PNUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY	PNUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP963	11-09-2026	CLEAR SKY / CALM	69.2	67.8
	MP1056	24-09-2026	CLEAR SKY / CALM	69.4	67.2
2	MP952	11-09-2026	CLEAR SKY / CALM	45.7	43.4
	MP1045	24-09-2026	CLEAR SKY / CALM	46.4	44.4

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ENVIRONMENTAL MONITORING REPORT

NEW SETHIA OC

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	NEW SETHIA OC

REPORT PARTICULARS			
URN No.	TC710226000002737F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	NEW SETHIA OC SITE (PNSOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP935	07-09-2026	RAINY SKY / CALM	247	156	40	22	10
	MP1028	21-09-2026	CLOUDY SKY / CALM	289	169	52	24	15

Reported by	**Reviewed by**	**Approved by**
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	NEW SETHIA OC

REPORT PARTICULARS

URN No.	TC710226000002738F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SAM OFFICE (PCOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP933	07-09-2026	RAINY SKY/ CALM	220	136	29	10	BDL
	MP1026	21-09-2026	CLEAR SKY / CALM	275	182	39	16	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	NEW SETHIA OC

REPORT PARTICULARS

URN No.	TC710226000002739F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	CHINDA VILLAGE (PCOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP879	01-09-2026	CLOUDY SKY / CALM	***	78	36	12	BDL
	MP972	02-09-2026	RAINY SKY / LIGHT BREEZE	***	52	17	10	BDL
	MP889	08-09-2026	CLOUDY SKY / CALM	***	64	26	13	BDL
	MP982	09-09-2026	RAINY SKY / LIGHT BREEZE	***	51	18	11	BDL
	MP899	15-09-2026	CLOUDY SKY / CALM	***	76	35	7	BDL
	MP992	16-09-2026	CLOUDY SKY / CALM	***	79	2	9	BDL
	MP909	22-09-2026	CLOUDY SKY / CALM	***	84	39	13	BDL
	MP1002	23-09-2026	CLOUDY SKY / CALM	***	74	32	12	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	NEW SETHIA OC

REPORT PARTICULARS

URN No.	TC710226000002740F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	CHINDA COLONY (PNSOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP880	01-09-2026	CLOUDY SKY / CALM	***	70	32	10	BDL
	MP973	02-09-2026	RAINY SKY / LIGHT BREEZE	***	48	15	13	BDL
	MP890	08-09-2026	CLOUDY SKY / CALM	***	69	19	10	BDL
	MP983	09-09-2026	RAINY SKY / LIGHT BREEZE	***	45	17	9	BDL
	MP900	15-09-2026	CLOUDY SKY / CALM	***	92	32	11	BDL
	MP993	16-09-2026	CLOUDY SKY / CALM	***	69	24	10	BDL
	MP910	22-09-2026	CLOUDY SKY / CALM	***	72	36	12	BDL
	MP1003	23-09-2026	CLOUDY SKY / CALM	***	87	39	14	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	PENCH
Name of Project	NEW SETHIA OC

REPORT PARTICULARS

URN No.	TC710226000002742F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	PSOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MP944	02-09-2026	16-09-2026 TO 15-10-2026	8.31	24	48	BDL	***
	MP1037	17-09-2026	16-09-2026 TO 15-10-2026	8.09	18	32	BDL	***

Reported by	Reviewed by	Approved by
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TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	NEW SETHIA OC

REPORT PARTICULARS

URN No.	TC710226000002743F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	NEAR MANAGER OFFICE	PSON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	CHINDA COLONY	PCON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP964	11-09-2026	CLEAR SKY / CALM	45.7	43.8
	MP1057	24-09-2026	CLEAR SKY / CALM	45.9	43.9
2	MP949	11-09-2026	CLEAR SKY / CALM	45.2	43.8
	MP1042	24-09-2026	CLEAR SKY / CALM	45.8	43.1

Reported by	Reviewed by	Approved by
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DRINKING WATER QUALITY REPORT

PENCH AREA

JOB NUMBER: 4094423061

JULY 2026 TO SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	MAHADEOPURI UG

REPORT PARTICULARS

URN No.	TC71022600002951F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM GUEST HOUSE	**Date of Sampling**	09-07-2026

Sl No	Parameters	Unit	Range		Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**1**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.76**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**142**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**42**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.62**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**310**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**51.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**26.2**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**17.17**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**14.6**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**180**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
YOGESH PIDURKAR (CHEMIST)	DR. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	VISHNUPURI -II UG

REPORT PARTICULARS

URN No.	TC71022600002952F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM SAM OFFICE	**Date of Sampling**	05-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**4**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.64**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**182**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014		0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**46**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.84**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**600**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**82**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**32**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**47.17**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**12.14**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**148**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
YOGESH PIDURKAR (CHEMIST)	DR. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	THESORGA-MATHANI

REPORT PARTICULARS

URN No.	TC71022600002953F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM SAM OFFICE	**Date of Sampling**	05-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.17**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**112**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**30**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.42**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**220**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**44**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**1.72**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**27.74**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**4.52**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**132**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
YOGESH PIDURKAR (CHEMIST)	DR. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	NEHARIA UG

REPORT PARTICULARS

URN No.	TC710226000002954F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM GUEST HOUSE	**Date of Sampling**	04-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**4**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.19**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**100**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**74**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.82**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**300**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**25.6**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**8.12**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**42.15**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**6.14**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**112**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	CHHINDA OC

REPORT PARTICULARS

URN No.	TC710226000002955F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM COLONY	**Date of Sampling**	05-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**1**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.78**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**332**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**18**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.94**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**650**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**72**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**14.25**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**97.16**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**14.18**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**146**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
YOGESH PIDURKAR (CHEMIST)	DR. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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cmpdi
Mini Ratna
TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	NEW SETHIA OC

REPORT PARTICULARS

URN No.	TC71022600002956F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM SAM OFFICE	**Date of Sampling**	05-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**4**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**3**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.23**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**96**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**34**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.04**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**270**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**14.14**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**0.96**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**17.24**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**3.45**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**64**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
YOGESH PIDURKAR (CHEMIST)	DR. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	BARKUHI OC

REPORT PARTICULARS

URN No.	TC71022600002957F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM BARKUHI HOSPITAL	**Date of Sampling**	09-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**1**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.01**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**74**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**46**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**BDL**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**210**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**13.2**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**1.96**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**18.174**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**2.64**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**60**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	CHANDAMETA WORKSHOP

REPORT PARTICULARS

URN No.	TC710226000002958F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM FILTER PLANT	**Date of Sampling**	09-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.12**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**124**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**74**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.24**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**450**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**16.14**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**2.36**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**6.12**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**1.12**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**116**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	SHIVPURI OC

REPORT PARTICULARS

URN No.	TC710226000002959F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM GUEST HOUSE	**Date of Sampling**	05-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**1**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.71**	6.5 to 8.5	No Relaxation
5	Total Hardness (CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**214**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**76**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**3.28**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**560**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**84**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**36.04**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**48.172**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**16.24**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**176**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
YOGESH PIDURKAR (CHEMIST)	DR. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	DHANKASA UG

REPORT PARTICULARS

URN No.	TC71022600002960F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM MANAGER OFFICE	**Date of Sampling**	04-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**4**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8.08**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**116**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**90**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.72**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**410**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**36**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**2.02**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**37.17**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**3.74**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**164**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	URDHAN OC

REPORT PARTICULARS

URN No.	TC71022600002961F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM MANAGER OFFICE			**Date of Sampling**	04-07-2026	
Sl No	**Parameters**	**Unit**	**Range**	**Test Method**	**Observed values**	**REQUIREMENT (ACCEPTABLE LIMIT)**	**PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE**
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**3**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**8**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**264**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**172**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**0.04**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**1.24**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**670**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**65.6**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**48.2**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**111.2**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**18.17**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**172**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	**Reviewed by**	**Approved by**
YOGESH PIDURKAR (CHEMIST)	DR. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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Note 3: BDL denotes Below Detection Limit

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	BG SIDING

REPORT PARTICULARS

URN No.	TC710226000002962F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM MANAGER OFFICE	**Date of Sampling**	05-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**4**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**2**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.67**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**80**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**54**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.62**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**660**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**46.6**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**16.78**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**37.18**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**1.92**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**164**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
YOGESH PIDURKAR (CHEMIST)	DR. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Drinking Water Quality Monitoring Report

Name of Area	PENCH
Name of Project	EDC SIDING

REPORT PARTICULARS

URN No.	TC71022600002963F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	QE SEPTEMBER 2026	**Date of Testing**	16-06-26 TO 15-09-26
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX - WASTEWATER QUALITY MONITORING

Sampling Station	DRINKING WATER FROM MANAGER OFFICE	**Date of Sampling**	05-07-2026

Sl No	Parameters	Unit	Range	Test Method	Observed values	REQUIREMENT (ACCEPTABLE LIMIT)	PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE
1	Colour	HAZEN	1 to 500	IS 3025 Part-4 Pt-Co Method: 2017	**2**	5	15
2	Odour	Qualitative	Qualitative	IS 3025 Part-5:2017	**Unobjectionable**	Agreeable	Agreeable
3	Turbidity	(NTU)	1 to 100	IS 3025 Part-10 Neplometric Method: 2012	**1**	1	5
4	pH Value		2 to 12	IS 3025 Part-11 Electrometric Method: 2017	**7.69**	6.5 to 8.5	No Relaxation
5	Total Hardness (as CaCO3)	mg/l	4 to 2000	IS 3025 Part-21 EDTA Metod: 2014	**114**	200	600
6	Iron (as Fe)	mg/l	0.06 to 15	IS 3025 Part-53 AAS Flame Method:2014	**BDL**	0.3	No Relaxation
7	Chlorides (as Cl-)	mg/l	2 to 1500	IS 3025 Part-32 1988 Argentometric Method:2014	**72**	250	1000
8	Residual Chlorine	mg/l	0.02 to 2	APHA, 24th Edition 4500-G DPD Colorometric method: 2017	**BDL**	0.2	1
9	Fluoride (as F-)	mg/l	0.02 to 3	APHA, 24th Edition 4500-F D SPADNS Method: 2017	**0.64**	1	1.5
10	TDS	mg/l	25 to 5000	IS 3025 Part-16 Gravimetric Method: 2017	**680**	500	2000
11	Calcium (as Ca)	mg/l	1.6 to 800	IS 3025 Part-40 : EDTA Metod: 2014	**42.14**	75	200
12	Magnesium (as Mg)	mg/l	3 to 150	APHA (24th Ed.) 3500 B, Calculation Method:2023	**18.24**	30	100
13	Copper (as Cu)	mg/l	0.03 to 10	IS 3025 Part-42 AAS Flame Method :2014	**BDL**	0.05	1.5
14	Manganese as (Mn)	mg/l	0.05 to 5	IS 3025 Part-59, AAS Flame Method: 2006	**BDL**	0.1	0.3
15	Sulphate (as SO4)	mg/l	2 to 70	APHA (24th Edition) 4500E Turbidimetric Method:2017	**27.19**	200	400
16	Nitrates (as NO3)	mg/l	0.5 to 45	APHA (24th Edition) 4500-NO3-B UV Spectrophotometric method:2017	**7.4**	45	No Relaxation
17	Cadmium as (Cd)	µg/L	2 to 10	APHA, 24th Edition 3113B AAS GTA Method:2017	**BDL**	0.003	No Relaxation
18	Lead as (Pb)	µg/L	10 to 100	APHA, 24th Edition 3113 B AAS GTA Method:2017	**BDL**	0.01	No Relaxation
19	Selenium (Se)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.01	No Relaxation
20	Arsenic (As)	µg/L	10 to 100	APHA, 24th Edition 3114 C AAS-VGA Method:2017	**BDL**	0.05	No Relaxation
21	Zinc as (Zn)	mg/l	0.05 to 10	IS 3025 Part-49 AAS Flame Method:2014	**BDL**	5	15
22	Total Chromium	mg/l	0.03 to 15	IS 3025 Part-52 Clause 6, AAS Flame Method:2014	**BDL**	0.05	No Relaxation
23	Boron as (B)	mg/l	2 to 15	APHA, 24th Edition 4500 B-C Carmine Method:2023	**BDL**	0.5	1
24	Alkalinity	mg/l	4 to 2000	IS 3025 Part-23:2014	**168**	200	600
25	Nickel	mg/l	0.5 to 10	APHA, 24th Edition 3113 B AAS FLAME Method:2023	**BDL**	0.02	No Relaxation
26	Aluminum (Al)	mg/l	0.005 to 0.2	APHA (24th Edition) 3113B AAS-GTA Method:2017	**BDL**	0.1	0.2

Reported by	Reviewed by	Approved by
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ENVIRONMENTAL MONITORING REPORT

SHIVPURI OC

PENCH AREA

JOB NUMBER: 4094423061

AUGUST 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	SHIVPURI OC

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002744F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SITE OFFICE (PSOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP927	06-09-2026	CLOUDY SKY / CALM	298	197	54	19	14
	MP1020	20-09-2026	CLOUDY SKY / CALM	306	211	57	25	16

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	SHIVPURI OC

REPORT PARTICULARS

URN No.	TC710226000002745F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SHIVPURI WEIGH BRIDGE (PSOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP928	06-09-2026	CLOUDY SKY / CALM	278	169	42	16	10
	MP1021	20-09-2026	CLOUDY SKY / CALM	290	188	51	19	12

Reported by	Reviewed by	Approved by
YOGESH PIDURKAR (CHEMIST)	Dr. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	SHIVPURI OC

REPORT PARTICULARS

URN No.	TC710226000002746F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	SUBSTATION (PV2UA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP929	06-09-2026	CLOUDY SKY / CALM	320	210	56	19	13
	MP1022	20-09-2026	CLOUDY SKY / CALM	312	206	52	22	15

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	SHIVPURI OC

REPORT PARTICULARS

URN No.	TC710226000002747F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	COLONY GUEST HOUSE SHIVPURI (PSOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP881	01-09-2026	CLOUDY SKY /CALM	***	78	30	14	BDL
	MP974	02-09-2026	RAINY SKY / LIGHT BREEZE	***	54	26	12	BDL
	MP891	08-09-2026	CLOUDY SKY /CALM	***	69	22	10	BDL
	MP984	09-09-2026	RAINY SKY / LIGHT BREEZE	***	48	18	14	BDL
	MP901	15-09-2026	CLOUDY SKY /CALM	***	78	25	11	BDL
	MP994	16-09-2026	CLOUDY SKY /CALM	***	74	30	9	BDL
	MP911	22-09-2026	CLOUDY SKY /CALM	***	79	32	10	BDL
	MP1004	23-09-2026	CLOUDY SKY /CALM	***	82	38	12	BDL

Reported by	Reviewed by	Approved by
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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	SHIVPURI OC

REPORT PARTICULARS

URN No.	TC710226000002748F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE	PSON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY	PSON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP965	11-09-2026	CLEAR SKY / CALM	45.9	43.5
	MP1058	24-09-2026	CLEAR SKY / CALM	45.8	43.9
2	MP953	11-09-2026	CLEAR SKY / CALM	45.1	43.2
	MP1046	24-09-2026	CLEAR SKY / CALM	44.9	42.7

Reported by	Reviewed by	Approved by
YOGESH PIDURKAR (CHEMIST)	Dr. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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ENVIRONMENTAL MONITORING REPORT

THESGORA MATHANI UG

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	THESGORA MATHANI UG

TC-7102

REPORT PARTICULARS

URN No.	TC710226000002749F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	MATHANI VILLAGE (PTUA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP883	01-09-2026	CLOUDY SKY / CALM	***	89	39	12	BDL
	MP976	02-09-2026	RAINY SKY / CALM	***	56	21	10	BDL
	MP893	08-09-2026	CLOUDY SKY / CALM	***	74	26	8	BDL
	MP986	09-09-2026	RAINY SKY / CALM	***	47	18	9	BDL
	MP903	15-09-2026	CLOUDY SKY / CALM	***	82	42	10	BDL
	MP996	16-09-2026	CLOUDY SKY / CALM	***	65	30	14	BDL
	MP913	22-09-2026	CLOUDY SKY / CALM	***	74	34	12	BDL
	MP1006	23-09-2026	CLOUDY SKY / CALM	***	79	32	13	BDL

Reported by	Reviewed by	Approved by
YOGESH PIDURKAR (CHEMIST)	Dr. JILLA SHANKAR (CHEMIST)	AMOL KAMBLE (MANAGER)

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TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	THESGORA MATHANI UG

REPORT PARTICULARS

URN No.	TC710226000002750F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SAM OFFICE (PTUA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP931	07-09-2026	RAINY SKY / LIGHT BREEZE	210	142	40	15	BDL
	MP1024	21-09-2026	CLOUDY SKY / CALM	255	165	52	16	13

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	THESGORA MATHANI UG

REPORT PARTICULARS

URN No.	TC710226000002751F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	MANAGER OFFICE- MATHANI (PTUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP932	07-09-2026	RAINY SKY / LIGHT BREEZE	198	114	32	15	BDL
	MP1025	21-09-2026	CLOUDY SKY / CALM	269	165	39	19	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	THESGORA MATHANI UG

REPORT PARTICULARS

URN No.	TC710226000002752F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	JHURE COLONY- FILTER PLANT (PTUA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP882	01-09-2026	CLOUDY SKY / CALM	***	78	35	15	BDL
	MP975	02-09-2026	RAINY SKY / CALM	***	59	20	14	BDL
	MP892	08-09-2026	CLOUDY SKY / CALM	***	89	36	10	BDL
	MP985	09-09-2026	RAINY SKY / CALM	***	53	21	14	BDL
	MP902	15-09-2026	CLOUDY SKY / CALM	***	78	30	10	BDL
	MP995	16-09-2026	CLOUDY SKY / CALM	***	79	22	12	BDL
	MP912	22-09-2026	CLOUDY SKY / CALM	***	74	32	10	BDL
	MP1005	23-09-2026	CLOUDY SKY / CALM	***	81	37	13	BDL

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	THESGORA MATHANI UG

REPORT PARTICULARS

URN No.	TC710226000002754F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE MATHANI	PTUN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	MATHANI COLONY	PTUN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP966	11-09-2026	CLEAR SKY / CALM	45.1	43.4
	MP1059	24-09-2026	CLEAR SKY / CALM	45.9	44.4
2	MP954	11-09-2026	CLEAR SKY / CALM	44.5	43.1
	MP1047	24-09-2026	CLEAR SKY / CALM	45.2	43.7

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ENVIRONMENTAL MONITORING REPORT

URDHAN OC

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	URDHAN OC

REPORT PARTICULARS			
URN No.	TC710226000002755F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	URDHAN MANAGER OFFICE (PUOA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP923	05-09-2026	CLOUDY SKY / CALM	312	210	59	25	16
	MP1016	19-09-2026	CLOUDY SKY / CALM	289	187	45	18	12

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	URDHAN OC

REPORT PARTICULARS

URN No.	TC710226000002756F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	COAL STOCK YARD (PUOA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP924	05-09-2026	CLOUDY SKY / CALM	269	174	45	18	12
	MP1017	19-09-2026	CLOUDY SKY / CALM	267	169	40	14	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	URDHAN OC

REPORT PARTICULARS

URN No.	TC710226000002757F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	NEHARIA VILLAGE (PNUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP884	03-09-2026	RAINY SKY / LIGHT BREEZE	***	54	19	10	BDL
	MP977	04-09-2026	RAINY SKY / LIGHT BREEZE	***	59	21	8	BDL
	MP894	10-09-2026	CLOUDY SKY / CALM	***	78	27	9	BDL
	MP987	11-09-2026	CLOUDY SKY / CALM	***	72	28	14	BDL
	MP904	17-09-2026	CLOUDY SKY / CALM	***	94	36	10	BDL
	MP997	18-09-2026	CLOUDY SKY / CALM	***	73	32	12	BDL
	MP914	24-09-2026	RAINY SKY / LIGHT BREEZE	***	56	17	11	BDL
	MP1007	25-09-2026	RAINY SKY / LIGHT BREEZE	***	60	18	8	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	URDHAN OC

REPORT PARTICULARS

URN No.	TC710226000002758F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	BOKAI TOWNSHIP (PNUA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP885	03-09-2026	RAINY /CALM	***	50	15	8	BDL
	MP978	04-09-2026	RAINY /CALM	***	46	18	10	BDL
	MP895	10-09-2026	CLEAR SKY / CALM	***	74	31	9	BDL
	MP988	11-09-2026	CLEAR SKY / CALM	***	79	32	12	BDL
	MP905	17-09-2026	CLOUDY SKY / CALM	***	85	34	14	BDL
	MP998	18-09-2026	CLOUDY SKY / CALM	***	91	39	10	BDL
	MP915	24-09-2026	RAINY /CALM	***	64	30	13	BDL
	MP1008	25-09-2026	RAINY /CALM	***	53	22	10	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	PENCH
Name of Project	URDHAN OC

REPORT PARTICULARS

URN No.	TC710226000002760F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	PUOW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
2	ETP DISCHARGE	PUOW2	**Range**	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MP938	04-09-2026	16-09-2026 TO 15-10-2026	8	22	48	BDL	***
	MP1031	17-09-2026	16-09-2026 TO 15-10-2026	7.73	14	28	BDL	***
2	MP946	04-09-2026	16-09-2026 TO 15-10-2026	8.19	24	56	BDL	***
	MP1039	17-09-2026	16-09-2026 TO 15-10-2026	8.02	26	52	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	URDHAN OC

REPORT PARTICULARS

URN No.	TC710226000002761F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	MANAGER OFFICE	PUON1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	URDHAN VILLAGE	PUON2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP967	11-09-2026	CLEAR SKY / CALM	47.9	44.9
	MP1060	24-09-2026	CLEAR SKY / CALM	47.4	45.8
2	MP955	11-09-2026	CLEAR SKY / CALM	45.8	43.8
	MP1048	24-09-2026	CLEAR SKY / CALM	45.4	43.1

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ENVIRONMENTAL MONITORING REPORT

VISHNUPURI-II UG

PENCH AREA

JOB NUMBER: 4094423061

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	VISHNUPURI-II UG

REPORT PARTICULARS

URN No.	TC710226000002762F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SAM OFFICE (PV1UA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP930	06-09-2026	CLOUDY SKY / CALM	312	210	45	16	10
	MP1023	20-09-2026	CLOUDY SKY / CALM	298	189	42	19	13

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	VISHNUPURI-II UG

REPORT PARTICULARS

URN No.	TC710226000002763F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	SUBSTATION (PV2UA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP929	06-09-2026	CLOUDY SKY / CALM	320	210	56	19	13
	MP1022	20-09-2026	CLOUDY SKY / CALM	312	206	52	22	15

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	VISHNUPURI-II UG

REPORT PARTICULARS

URN No.	TC710226000002764F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	COLONY GUEST HOUSE SHIVPURI (PSOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP881	01-09-2026	CLOUDY SKY /CALM	***	78	30	14	BDL
	MP974	02-09-2026	RAINY SKY / LIGHT BREEZE	***	54	26	12	BDL
	MP891	08-09-2026	CLOUDY SKY /CALM	***	69	22	10	BDL
	MP984	09-09-2026	RAINY SKY / LIGHT BREEZE	***	48	18	14	BDL
	MP901	15-09-2026	CLOUDY SKY /CALM	***	78	25	11	BDL
	MP994	16-09-2026	CLOUDY SKY /CALM	***	74	30	9	BDL
	MP911	22-09-2026	CLOUDY SKY /CALM	***	79	32	10	BDL
	MP1004	23-09-2026	CLOUDY SKY /CALM	***	82	38	12	BDL

Reported by	Reviewed by	Approved by
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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	PENCH
Name of Project	VISHNUPURI-II UG

REPORT PARTICULARS

URN No.	TC710226000002765F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	CHINDA VILLAGE (PCOA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MP879	01-09-2026	CLOUDY SKY / CALM	***	78	36	12	BDL
	MP972	02-09-2026	RAINY SKY / LIGHT BREEZE	***	52	17	10	BDL
	MP889	08-09-2026	CLOUDY SKY / CALM	***	64	26	13	BDL
	MP982	09-09-2026	RAINY SKY / LIGHT BREEZE	***	51	18	11	BDL
	MP899	15-09-2026	CLOUDY SKY / CALM	***	76	35	7	BDL
	MP992	16-09-2026	CLOUDY SKY / CALM	***	79	2	9	BDL
	MP909	22-09-2026	CLOUDY SKY / CALM	***	84	39	13	BDL
	MP1002	23-09-2026	CLOUDY SKY / CALM	***	74	32	12	BDL

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TEST REPORT

Wastewater Quality Monitoring Report

Name of Area	PENCH
Name of Project	VISHNUPURI-II UG

REPORT PARTICULARS

URN No.	TC710226000002767F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	MINE WATER DISCHARGE	PV2UW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MP939	04-09-2026	16-09-2026 TO 15-10-2026	8.09	24	48	BDL	***
	MP1032	21-09-2026	16-09-2026 TO 15-10-2026	7.9	14	24	BDL	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	PENCH
Name of Project	VISHNUPURI-II UG

REPORT PARTICULARS

URN No.	TC710226000002768F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	FAN HOUSE-II	PV2UN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
			Range	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MP968	11-09-2026	CLEAR SKY / CALM	68.2	66.9
	MP1055	24-09-2026	CLEAR SKY / CALM	68.4	66.2

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ENVIRONMENTAL MONITORING REPORT

CWS TADALI

CWS TADALI

JOB NUMBER: 4094423068

SEPTEMBER 2026

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

TC-7102

ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CWS TADALI
Name of Project	CWS TADALI

REPORT PARTICULARS

URN No.	TC710226000002900F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
1	SUBSTATION (CWSA1)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC791	07-09-2026	CLOUDY/CALM	197	108	27	8	BDL
	MC874	16-09-2026	CLEAR/LIGHT BREEZE	246	157	32	11	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CWS TADALI
Name of Project	CWS TADALI

REPORT PARTICULARS

URN No.	TC710226000002901F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
2	NEAR FILTER PLANT (CWSA2)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC746	03-09-2026	CLOUDY/MODERATE	***	72	23	7	BDL
	MC829	04-09-2026	CLOUDY/MODERATE	***	88	29	11	BDL
	MC754	10-09-2026	CLOUDY/CALM	***	64	17	7	BDL
	MC837	11-09-2026	CLOUDY/CALM	***	70	22	9	BDL
	MC762	17-09-2026	CLOUDY/LIGHT BREEZE	***	87	32	10	BDL
	MC855	18-09-2026	CLOUDY/LIGHT BREEZE	***	80	27	10	BDL
	MC770	24-09-2026	CLOUDY/LIGHT BREEZE	***	75	26	9	BDL
	MC853	25-09-2026	CLOUDY/LIGHT BREEZE	***	71	20	9	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CWS TADALI
Name of Project	CWS TADALI

REPORT PARTICULARS

URN No.	TC710226000002902F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
3	ADMINISTRATIVE BUILDING (CWSA3)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC790	07-09-2026	CLOUDY/CALM	178	115	27	10	BDL
	MC873	16-09-2026	CLEAR/LIGHT BREEZE	231	152	35	12	BDL

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TEST REPORT

Ambient Air Quality Monitoring Report

Name of Area	CWS TADALI
Name of Project	CWS TADALI

REPORT PARTICULARS

URN No.	TC710226000002903F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station			SPM	PM10	PM2.5	NO_2	SO_2
4	CWS COLONY (CWSA4)		**Test Method**	IS 5182 (Part 4): 1999	IS 5182 (Part 23): 2006	IS 5182 (Part 24): 2019	IS 5182 (Part 6/sec1)	IS 5182 (Part 2/Sec 1)
			Range	5 to 1000	5 to 1000	2 to 200	6 to 750	10 to 1050
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	600	300		120	120
			NAAQS 2009		100	60	80	80
			Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	Sample Code	**Date of Sampling**	**Environmental Conditions**	**SPM**	**PM10**	**PM2.5**	**NO_2**	**SO_2**
	MC745	03-09-2026	CLOUDY/MODERATE	***	77	22	8	BDL
	MC828	04-09-2026	CLOUDY/MODERATE	***	83	29	10	BDL
	MC753	10-09-2026	CLOUDY/CALM	***	67	20	7	BDL
	MC836	11-09-2026	CLOUDY/CALM	***	72	26	8	BDL
	MC761	17-09-2026	CLOUDY/LIGHT BREEZE	***	80	29	10	BDL
	MC844	18-09-2026	CLOUDY/LIGHT BREEZE	***	73	27	9	BDL
	MC769	24-09-2026	CLOUDY/LIGHT BREEZE	***	69	19	7	BDL
	MC852	25-09-2026	CLOUDY/LIGHT BREEZE	***	78	25	8	BDL

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	ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR
	TEST REPORT
	Wastewater Quality Monitoring Report
Name of Area	CWS TADALI
Name of Project	CWS TADALI

REPORT PARTICULARS

URN No.	TC710226000002905F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026		
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		pH	TSS	COD	Oil & Grease	BOD
1	ETP DISCHARGE	CWSW1	**Test Method**	IS 3025 (Part 11)	IS 3025 (Part 17)	APHA 5220C	IS 3025 (Part 39)	IS 3025 (Part 44)
			Range	2-12	10-5000	4-2000	2-1000	2-1000
			Standard Permissible Limits: GSR 742(E), dt. Dec 25, 2000	5.5-9	100	250	10	30
			Units		mg/l	mg/l	mg/l	mg/l
Sl. No.	**Sample Code**	**Date of Sampling**	**Date of Testing**	**pH**	**TSS**	**COD**	**Oil & Grease**	**BOD**
1	MC795	03-09-2026	16-09-2026 TO 15-10-2026	8.05	30	36	2.2	***
	MC878	21-09-2026	16-09-2026 TO 15-10-2026	7.90	34	36	2.0	***

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ENVIRONMENT LABORATORY, CMPDI, REGIONAL INSTITUTE-IV, NAGPUR

TEST REPORT

Noise Level Monitoring Report

Name of Area	CWS TADALI
Name of Project	CWS TADALI

REPORT PARTICULARS

URN No.	TC710226000002906F	**Date of Issue**	25-10-2026
Name of Customer	GM (Env), WCL (HQ), Coal Estate, Civil Lines, Nagpur 440001		
Month & Year	SEPTEMBER 2026	**Date of Testing**	16-09-2026 TO 15-10-2026
Sampling Method	CMPDI/NGP/LSOP	**Sampling Plan**	LQR 47

TEST RESULTS / OBSERVATION MATRIX

Sl. No.	Sampling Station	Station Code		Daytime	Night Time
1	NEAR WORKSHOP	CWSN1	**Test Method**	CPCB Protocol for Ambient Noise Measurement: 2015	
2	COLONY (CWS)	CWSN2	**Range**	20-130	20-130
			Standard Permissible Limits: Noise Pollution (Regulation & Control) Rules	75	70
			Units	dB(A)	dB(A)

Sl. No.	Sample Code	Date of Sampling	Environmental Conditions	Daytime	Night Time
1	MC817	09-09-2026	CLEAR/LIGHT BREEZE	54.4	53.1
	MC900	24-09-2026	CLEAR/LIGHT BREEZE	55.9	53.8
2	MC818	09-09-2026	CLEAR/LIGHT BREEZE	44.1	43.5
	MC901	24-09-2026	CLEAR/LIGHT BREEZE	43.3	42.1

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