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ENVIRONMENTAL MONITORING REPORT
Amalgamation of Gouri & Pauni OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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 RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/44	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MANAGER OFFICE-GOURI-I OC BGOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
FROM	TO	5	5	2	6	10
09-01-2025	10-01-2025	288	204	52	24	14
23-01-2025	24-01-2025	320	230	66	22	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

SAM OFFICE GOURI SUB AREA BGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
FROM	TO	5	5	2	6	10
09-01-2025	10-01-2025	277	182	53	22	11
23-01-2025	24-01-2025	256	157	48	18	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

GOURI COLONY FILTER PLANT BSOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
06-01-2025	07-01-2025	76	32	13	BDL	clear sky / light breeze
07-01-2025	08-01-2025	67	36	12	BDL	clear sky / light breeze
13-01-2025	14-01-2025	79	40	12	BDL	clear sky / light breeze
14-01-2025	15-01-2025	70	28	13	BDL	clear sky / light breeze
20-01-2025	21-01-2025	83	30	13	BDL	clear sky / light breeze
21-01-2025	22-01-2025	84	32	10	BDL	clear sky / light breeze
27-01-2025	28-01-2025	88	34	12	BDL	clear sky / light breeze
28-01-2025	29-01-2025	70	30	11	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	

GOURI VILLAGE BGOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
04-01-2025	05-01-2025	60	32	12	BDL	clear sky / light breeze
05-01-2025	06-01-2025	73	30	11	BDL	clear sky / light breeze
11-01-2025	12-01-2025	66	33	10	BDL	clear sky / light breeze
12-01-2025	13-01-2025	78	36	12	BDL	clear sky / light breeze
18-01-2025	19-01-2025	65	32	11	BDL	clear sky / light breeze
19-01-2025	20-01-2025	67	26	13	BDL	clear sky / light breeze
25-01-2025	26-01-2025	58	20	10	BDL	clear sky / light breeze
26-01-2025	27-01-2025	69	28	12	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: BGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-01-2025	7.72	18	32	BDL
23-01-2025	7.74	24	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-01-2025	8.02	28	52	BDL
23-01-2025	7.94	24	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

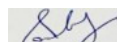
CHP: BGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	11-01-2025	68.2	66.4
JAN'25	25-01-2025	68.7	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE (PAUNI OC): BAGPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	11-01-2025	54.6	52.9
JAN'25	25-01-2025	52.9	50.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	11-01-2025	44.1	42.3
JAN'25	25-01-2025	44.3	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
Reviewed by



M. Rabbani
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ENVIRONMENTAL MONITORING REPORT

BALLARPUR OC

BALLARPUR AREA

JOB NO. 4094423068



JANUARY 2025

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 RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/JAN-25/41		DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-01-25 TO 15-02-25

MANAGER OFFICE-BALLARPUR UG BBUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
08-01-2025	09-01-2025	280	176	50	18	12	Clear sky / light breeze
22-01-2025	23-01-2025	265	154	43	16	10	Clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

SUBSTATION BBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
08-01-2025	09-01-2025	248	159	46	17	10	Clear sky / light breeze
22-01-2025	23-01-2025	272	178	53	20	14	Clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE BBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
08-01-2025	09-01-2025	255	165	45	21	13	Clear sky / light breeze
22-01-2025	23-01-2025	286	180	62	24	15	Clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

FILTER PLANT COLONY BBUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
04-01-2025	05-01-2025	76	31	16	BDL		Clear sky / light breeze
05-01-2025	06-01-2025	70	40	12	BDL		Clear sky / light breeze
11-01-2025	12-01-2025	77	37	11	BDL		Clear sky / light breeze
12-01-2025	13-01-2025	81	35	13	BDL		Clear sky / light breeze
18-01-2025	19-01-2025	64	33	14	BDL		Clear sky / light breeze
19-01-2025	20-01-2025	83	35	12	BDL		Clear sky / light breeze
25-01-2025	26-01-2025	71	32	11	BDL		Clear sky / light breeze
26-01-2025	27-01-2025	72	38	14	BDL		Clear sky / light breeze
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-01-25 TO 15-02-25

MINE WATER DISCHARGE: BBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-01-2025	7.56	22	28	BDL
22-01-2025	7.8	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

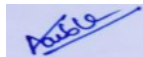
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

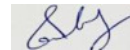
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP: BBUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	68.8	66.2
JAN'25	25-01-2025	68.6	66.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY BALLARPUR UG: BBUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	43.9	42.1
JAN'25	25-01-2025	43.7	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
Reviewed by



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ENVIRONMENTAL MONITORING REPORT

BALLARPUR UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/42	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MANAGER OFFICE- BALLARPUR UG				BBUA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
08-01-2025	09-01-2025	280	176	50	18	12	Clear sky / light breeze
22-01-2025	23-01-2025	265	154	43	16	10	Clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION				BBOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
08-01-2025	09-01-2025	248	159	46	17	10	Clear sky / light breeze
22-01-2025	23-01-2025	272	178	53	20	14	Clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE				BBOA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
08-01-2025	09-01-2025	255	165	45	21	13	Clear sky / light breeze
22-01-2025	23-01-2025	286	180	62	24	15	Clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT COLONY			BBUA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
04-01-2025	05-01-2025	76	31	16	BDL	Clear sky / light breeze
05-01-2025	06-01-2025	70	40	12	BDL	Clear sky / light breeze
11-01-2025	12-01-2025	77	37	11	BDL	Clear sky / light breeze
12-01-2025	13-01-2025	81	35	13	BDL	Clear sky / light breeze
18-01-2025	19-01-2025	64	33	14	BDL	Clear sky / light breeze
19-01-2025	20-01-2025	83	35	12	BDL	Clear sky / light breeze
25-01-2025	26-01-2025	70	32	11	BDL	Clear sky / light breeze
26-01-2025	27-01-2025	72	38	14	BDL	Clear sky / light breeze
NAAQS, 2009		100	60	80	80	


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: BBUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-01-2025	8.1	32	48	BDL
22-01-2025	7.97	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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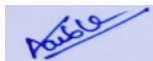
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

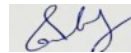
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: BBUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	68.3	66.9
JAN'25	25-01-2025	68.9	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: BBUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	43.9	42.1
JAN'25	25-01-2025	43.7	41.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/45	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

SAM OFFICE- DHOPTALA SUB AREA BND0A1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
03-01-2025	04-01-2025	275	166	49	18	11
17-01-2025	18-01-2025	280	180	54	20	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

MANAGER OFFICE-DHOPTALA OC BND0A2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
03-01-2025	04-01-2025	322	218	67	26	12
17-01-2025	18-01-2025	297	183	50	22	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

SASTI COLONY BSUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06-01-2025	07-01-2025	88	45	13	BDL	clear sky / light breeze
07-01-2025	08-01-2025	78	41	12	BDL	clear sky / light breeze
13-01-2025	14-01-2025	80	38	11	BDL	clear sky / light breeze
14-01-2025	15-01-2025	76	44	14	BDL	clear sky / light breeze
20-01-2025	21-01-2025	72	32	12	BDL	clear sky / light breeze
21-01-2025	22-01-2025	82	36	11	BDL	clear sky / light breeze
27-01-2025	28-01-2025	70	34	12	BDL	clear sky / light breeze
28-01-2025	29-01-2025	84	40	10	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	

MUTHRA VILLAGE BGDO2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
04-01-2025	05-01-2025	58	28	12	BDL	clear sky / light breeze
05-01-2025	06-01-2025	70	34	13	BDL	clear sky / light breeze
11-01-2025	12-01-2025	62	31	10	BDL	clear sky / light breeze
12-01-2025	13-01-2025	76	36	11	BDL	clear sky / light breeze
18-01-2025	19-01-2025	70	32	12	BDL	clear sky / light breeze
19-01-2025	20-01-2025	55	20	10	BDL	clear sky / light breeze
25-01-2025	26-01-2025	68	21	9	BDL	clear sky / light breeze
26-01-2025	27-01-2025	69	25	14	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: BNDOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-01-2025	7.72	22	32	BDL
17-01-2025	7.88	26	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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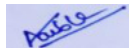
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

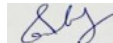
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP: BNDON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	68.9	66.7
JAN'25	25-01-2025	68.7	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY: BSUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	43.8	42.1
JAN'25	25-01-2025	43.9	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PAUNI II OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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 RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/47	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MINE OFFICE BP2OA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-01-2025	11-01-2025	270	157	46	18	12	clear sky / light breeze
24-01-2025	25-01-2025	296	188	61	22	14	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION BP2OA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-01-2025	11-01-2025	276	165	567	16	BDL	clear sky / light breeze
24-01-2025	25-01-2025	278	132	40	14	BDL	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAKHARI VILLAGE BP2OA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-01-2025	07-01-2025	71	32	10	BDL		clear sky / light breeze
07-01-2025	08-01-2025	75	26	12	BDL		clear sky / light breeze
13-01-2025	14-01-2025	60	28	9	BDL		clear sky / light breeze
14-01-2025	15-01-2025	77	32	10	BDL		clear sky / light breeze
20-01-2025	21-01-2025	58	34	11	BDL		clear sky / light breeze
21-01-2025	22-01-2025	62	36	14	BDL		clear sky / light breeze
27-01-2025	28-01-2025	67	32	12	BDL		clear sky / light breeze
28-01-2025	29-01-2025	66	30	14	BDL		clear sky / light breeze
NAAQS, 2009		100	60	80	80		

WORKSHOP PAUNI OC BPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-01-2025	11-01-2025	278	176	56	16	11	clear sky / light breeze
24-01-2025	25-01-2025	264	165	53	18	12	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: BP2OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-01-2025	7.87	20	36	BDL
24-01-2025	8.05	28	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25-09- 2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BP2OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-01-2025	8.2	36	54	BDL
24-01-2025	7.99	32	58	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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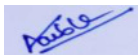
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

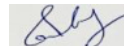
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: BPON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	54.7	52.3
JAN'25	25-01-2025	58.2	56.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SAKHARI VILLAGE : BPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	44.7	43.2
JAN'25	25-01-2025	43.9	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

SASTI OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

Environment Laboratory
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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/48	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

SAM OFFICE-SASTI OC BSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
03-01-2025	04-01-2025	264	154	52	21	12	clear sky / light breeze
17-01-2025	18-01-2025	286	167	60	20	14	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

AREA STORE BSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
03-01-2025	04-01-2025	245	132	44	15	BDL	clear sky / light breeze
17-01-2025	18-01-2025	260	143	53	19	11	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT BSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
06-01-2025	07-01-2025	76	32	13	BDL	clear sky / light breeze	
07-01-2025	08-01-2025	67	36	12	BDL	clear sky / light breeze	
13-01-2025	14-01-2025	79	40	12	BDL	clear sky / light breeze	
14-01-2025	15-01-2025	70	28	13	BDL	clear sky / light breeze	
20-01-2025	21-01-2025	83	30	13	BDL	clear sky / light breeze	
21-01-2025	22-01-2025	84	32	10	BDL	clear sky / light breeze	
27-01-2025	28-01-2025	88	34	12	BDL	clear sky / light breeze	
28-01-2025	29-01-2025	70	30	11	BDL	clear sky / light breeze	
NAAQS, 2009		100	60	80	80		

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
06-01-2025	07-01-2025	65	34	10	BDL	clear sky / light breeze	
07-01-2025	08-01-2025	72	30	12	BDL	clear sky / light breeze	
13-01-2025	14-01-2025	68	42	12	BDL	clear sky / light breeze	
14-01-2025	15-01-2025	66	31	13	BDL	clear sky / light breeze	
20-01-2025	21-01-2025	70	40	10	BDL	clear sky / light breeze	
21-01-2025	22-01-2025	63	22	11	BDL	clear sky / light breeze	
27-01-2025	28-01-2025	66	32	14	BDL	clear sky / light breeze	
28-01-2025	29-01-2025	78	35	15	BDL	clear sky / light breeze	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-01-25 TO 15-02-25

MINE WATER DISCHARGE:		BSOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-01-2025	7.74	20	40	BDL
17-01-2025	7.65	28	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE:		BSOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-01-2025	7.77	24	36	BDL
17-01-2025	7.61	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED:		BSOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
03-01-2025	28	10.2	
17-01-2025	32	10.6	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP:		BSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	11-01-2025	68.7	66.9
JAN'25	25-01-2025	68.9	66.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		75	70

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	11-01-2025	44.1	42.3
JAN'25	25-01-2025	44.3	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/JAN-25/49		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25	

SAM OFFICE-DHOPTALA SUB AREA BNDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03-01-2025	04-01-2025	275	166	49	18	11	clear sky / light breeze
17-01-2025	18-01-2025	280	180	54	20	13	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE-DHOPTALA OC BNDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03-01-2025	04-01-2025	322	218	67	26	12	clear sky / light breeze
17-01-2025	18-01-2025	297	183	50	22	11	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SASTI COLONY BSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
06-01-2025	07-01-2025	88	45	13	BDL	clear sky / light breeze	
07-01-2025	08-01-2025	78	41	12	BDL	clear sky / light breeze	
13-01-2025	14-01-2025	80	38	11	BDL	clear sky / light breeze	
14-01-2025	15-01-2025	76	44	14	BDL	clear sky / light breeze	
20-01-2025	21-01-2025	72	32	12	BDL	clear sky / light breeze	
21-01-2025	22-01-2025	82	36	11	BDL	clear sky / light breeze	
27-01-2025	28-01-2025	70	34	12	BDL	clear sky / light breeze	
28-01-2025	29-01-2025	84	40	10	BDL	clear sky / light breeze	
NAAQS, 2009		100	60	80	80		

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
06-01-2025	07-01-2025	65	34	10	BDL	clear sky / light breeze	
07-01-2025	08-01-2025	72	30	12	BDL	clear sky / light breeze	
13-01-2025	14-01-2025	68	42	12	BDL	clear sky / light breeze	
14-01-2025	15-01-2025	66	31	13	BDL	clear sky / light breeze	
20-01-2025	21-01-2025	70	40	10	BDL	clear sky / light breeze	
21-01-2025	22-01-2025	63	22	11	BDL	clear sky / light breeze	
27-01-2025	28-01-2025	66	32	14	BDL	clear sky / light breeze	
28-01-2025	29-01-2025	78	35	15	BDL	clear sky / light breeze	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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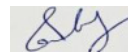
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

SASTI COLONY: BSUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	43.8	42.1
JAN'25	25-01-2025	43.9	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

BHATADI OC

CHANDRAPUR AREA

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JOB NO. 4094423068

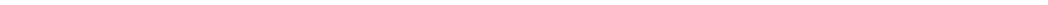


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/31	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/01/25 TO 15/02/25

BHATADI SECURITY POST CBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-01-2025	10-01-2025	440	221	59	30	28	Clear Sky/calm
24-01-2025	25-01-2025	464	212	55	43	31	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI MANAGER OFFICE CBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
FROM	TO	5	5	2	6	10	
09-01-2025	10-01-2025	427	202	51	34	31	Clear Sky/calm
24-01-2025	25-01-2025	441	183	43	36	22	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI VILLAGE CBOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	89	32	26	21	Clear Sky/calm
06-01-2025	07-01-2025	91	28	34	25	Clear Sky/calm
11-01-2025	12-01-2025	82	22	31	23	Clear Sky/calm
12-01-2025	13-01-2025	85	20	25	26	Clear Sky/calm
18-01-2025	19-01-2025	91	27	34	19	Clear Sky/calm
19-01-2025	20-01-2025	88	30	27	22	Clear Sky/calm
24-01-2025	25-01-2025	82	23	29	20	Clear Sky/calm
25-01-2025	26-01-2025	85	30	33	22	Clear Sky/calm
30-01-2025	31-01-2025	89	33	32	24	Clear Sky/calm
31-01-2025	01-02-2025	84	26	26	25	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

VADHOLI VILLAGE CBOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	86	29	24	19	Clear Sky/calm
06-01-2025	07-01-2025	83	18	29	18	Clear Sky/calm
11-01-2025	12-01-2025	81	27	21	22	Clear Sky/calm
12-01-2025	13-01-2025	84	20	23	17	Clear Sky/calm
18-01-2025	19-01-2025	79	23	25	21	Clear Sky/calm
19-01-2025	20-01-2025	89	21	24	19	Clear Sky/calm
24-01-2025	25-01-2025	80	18	23	18	Clear Sky/calm
25-01-2025	26-01-2025	82	24	22	16	Clear Sky/calm
30-01-2025	31-01-2025	85	19	26	20	Clear Sky/calm
31-01-2025	01-02-2025	80	21	27	19	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

BHATADI COLONY CBOA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	87	28	31	18	Clear Sky/calm
06-01-2025	07-01-2025	92	29	25	20	Clear Sky/calm
11-01-2025	12-01-2025	89	30	23	23	Clear Sky/calm
12-01-2025	13-01-2025	91	28	33	24	Clear Sky/calm
18-01-2025	19-01-2025	85	35	32	21	Clear Sky/calm
19-01-2025	20-01-2025	88	24	27	22	Clear Sky/calm
24-01-2025	25-01-2025	90	29	26	18	Clear Sky/calm
25-01-2025	26-01-2025	88	29	31	21	Clear Sky/calm

30-01-2025	31-01-2025	98	31	29	19	Clear Sky/calm
31-01-2025	01-02-2025	93	34	28	22	Clear Sky/calm
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		
SAMPLE DESCRIPTION		Water sample		
Test Required		pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD		LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/01/25 TO 15/02/25

MINE WATER DISCHARGE: CBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.01.2025	7.61	22	24	BDL
25.01.2025	7.56	27	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: CBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.01.2025	7.92	20	24	BDL
25.01.2025	7.85	25	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: CBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
09.01.2025	17	6.6
25.01.2025	21	7.8
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP: CBON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	67.3	64.6
JAN'25	25-01-2025	68.6	63.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CBON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	43.3	40.5
JAN'25	25-01-2025	44.7	41.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

CRC UG

CHANDRAPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/32	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/01/25 TO 15/02/25

MANAGER OFFICE MAHAKALI UG CMKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-01-2025	12-01-2025	395	161	43	29	24	Clear Sky/calm
26-01-2025	27-01-2025	382	168	49	31	27	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-01-2025	08-01-2025	407	175	42	35	26	Clear Sky/calm
22-01-2025	23-01-2025	415	179	47	38	31	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-2025	07-01-2025	397	176	41	29	25	Clear Sky/calm
21-01-2025	22-01-2025	381	159	36	35	23	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-01-2025	07-01-2025	71	23	22	16	Clear Sky/calm	
21-01-2025	22-01-2025	82	27	25	19	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

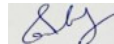
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP		CCRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	64.4	60.6
JAN'25	25-01-2025	64.7	60.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MKC)		CCRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	42.2	40.5
JAN'25	25-01-2025	43.8	40.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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DRC UG

CHANDRAPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/33	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/01/25 TO 15/02/25

PIT OFFICE-DRC- III UG CDRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-2025	08-01-2025	415	195	38	23	29	Clear Sky/calm
22-01-2025	23-01-2025	420	188	46	26	24	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE DRC-IV CDRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-2025	08-01-2025	423	185	41	26	22	Clear Sky/calm
22-01-2025	23-01-2025	429	171	43	29	21	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DRC- V COLONY CDRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-01-2025	07-01-2025	76	29	25	14		Clear Sky/calm
21-01-2025	22-01-2025	83	22	19	16		Clear Sky/calm
NAAQS, 2009		100	60	80	80		

NEHRU NAGAR CDRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-01-2025	07-01-2025	88	28	23	18		Clear Sky/calm
21-01-2025	22-01-2025	79	25	20	22		Clear Sky/calm
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/01/25 TO 15/02/25

MINE WATER DISCHARGE:		CDRUW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.01.2025	7.38	28	32	BDL
22.01.2025	7.56	22	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25- 09-2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

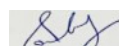
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: CDRUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	69.4	66.7
JAN'25	25-01-2025	74.9	69.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY: CDRUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	43.2	41.5
JAN'25	25-01-2025	44.5	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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JANUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/34	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/01/25 TO 15/02/25

MANAGER OFFICE-SECTOR V CDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
FROM	TO	5	5	2	6	10	Clear Sky/calm
07-01-2025	08-01-2025	437	189	41	27	23	
22-01-2025	23-01-2025	442	196	48	39	31	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DURGAPUR VILLAGE CDOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	95	37	22	28	Clear Sky/calm
06-01-2025	07-01-2025	89	35	32	19	Clear Sky/calm
11-01-2025	12-01-2025	87	32	30	21	Clear Sky/calm
12-01-2025	13-01-2025	92	31	31	23	Clear Sky/calm
18-01-2025	19-01-2025	93	28	23	20	Clear Sky/calm
19-01-2025	20-01-2025	89	37	29	25	Clear Sky/calm
24-01-2025	25-01-2025	91	29	32	27	Clear Sky/calm
25-01-2025	26-01-2025	88	33	24	18	Clear Sky/calm
30-01-2025	31-01-2025	94	27	21	26	Clear Sky/calm
31-01-2025	01-02-2025	90	36	35	24	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

MANAGER OFFICE Q-IV CDOA3 (Durgapur OC)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-01-2025	09-01-2025	431	194	57	41	25	
23-01-2025	24-01-2025	442	185	52	35	29	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT DOC/POC COLONY CDOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	87	22	24	19	Clear Sky/calm
06-01-2025	07-01-2025	88	25	20	21	Clear Sky/calm
11-01-2025	12-01-2025	83	23	26	23	Clear Sky/calm
12-01-2025	13-01-2025	92	33	32	24	Clear Sky/calm
18-01-2025	19-01-2025	89	32	21	20	Clear Sky/calm
19-01-2025	20-01-2025	86	29	24	17	Clear Sky/calm
24-01-2025	25-01-2025	84	32	23	20	Clear Sky/calm
25-01-2025	26-01-2025	92	28	33	22	Clear Sky/calm
30-01-2025	31-01-2025	87	27	22	18	Clear Sky/calm
31-01-2025	01-02-2025	91	34	31	25	Clear Sky/calm
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/01/25 TO 15/02/25

MINE WATER DISCHARGE Q-II CDOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.01.2025	7.58	25	28	BDL
24.01.2025	7.39	30	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE Q-V CDOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.01.2025	3.35	32	36	BDL
24.01.2025	3.59	39	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): CDOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.01.2025	7.92	22	28	BDL
24.01.2025	7.83	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT): CDOW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
NA	NA	NA
NA	NA	NA
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP:		CDON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	65.3	62.4
JAN'25	25-01-2025	64.7	61.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	43.2	41.5
JAN'25	25-01-2025	44.5	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

HLP-I & III UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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 RI-IV, NAGPUR	Test Report	
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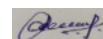
TEST REPORT NO.	RIN/TR/JAN-25/37	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/01/25 TO 15/02/25

SUBSTATION HLC I UG CHUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-01-2025	12-01-2025	426	179	36	36	28	Clear Sky/calm
26-01-2025	27-01-2025	421	183	37	32	25	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE - HLC-I INCLINE CHUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-01-2025	12-01-2025	433	168	43	38	27	Clear Sky/calm
26-01-2025	27-01-2025	438	197	46	28	23	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HLC-III COLONY CHUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
10-01-2025	11-01-2025	80	27	23	19	Clear Sky/calm	
25-01-2025	26-01-2025	83	29	28	25	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		

RAJIV GANDHI ENGG. COLLEGE CHUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				Rainy/Windy	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
10-01-2025	11-01-2025	81	25	29	22	Clear Sky/calm	
25-01-2025	26-01-2025	85	28	25	24	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/01/25 TO 15/02/25

MINE WATER DISCHARGE(HLP-III): CHUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.01.2025	7.37	24	28	BDL
26.01.2025	7.48	30	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE(HLP-I): CHUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.01.2025	7.41	22	24	BDL
26.01.2025	7.53	27	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

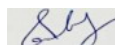
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE-I:		CHUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	68.4	65.6
JAN'25	25-01-2025	73.6	69.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		CHUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	42.3	40.5
JAN'25	25-01-2025	43.7	40.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

HLP OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

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JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/35	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES: 16/01/25 TO 15/02/25		

MANAGER OFFICE (NANDGAON UG) CNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-01-2025	13-01-2025	414	170	42	35	22	Clear Sky/calm
27-01-2025	28-01-2025	426	196	46	31	26	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE(HLP OC) CHOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-01-2025	13-01-2025	437	165	52	34	27	Clear Sky/calm
27-01-2025	28-01-2025	419	172	57	39	34	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE CMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-01-2025	11-01-2025	80	27	26	13		Clear Sky/calm
25-01-2025	26-01-2025	74	22	20	15		Clear Sky/calm
NAAQS, 2009		100	60	80	80		

COLONY (NANDGAON) CNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-01-2025	06-01-2025	84	30	25	18		Clear Sky/calm
06-01-2025	07-01-2025	79	31	29	20		Clear Sky/calm
11-01-2025	12-01-2025	86	28	28	23		Clear Sky/calm
12-01-2025	13-01-2025	88	26	26	17		Clear Sky/calm
18-01-2025	19-01-2025	90	29	29	22		Clear Sky/calm
19-01-2025	20-01-2025	77	25	27	24		Clear Sky/calm
24-01-2025	25-01-2025	85	30	23	22		Clear Sky/calm
25-01-2025	26-01-2025	78	29	26	19		Clear Sky/calm
30-01-2025	31-01-2025	80	27	24	21		Clear Sky/calm
31-01-2025	01-02-2025	82	24	30	26		Clear Sky/calm
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/01/25 TO 15/02/25

MINE WATER DISCHARGE: CHOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.01.2025	3.28	38	40	BDL
26.01.2025	3.41	32	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

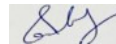
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	10-01-2025	64.4	61.6
JAN'25	25-01-2025	66.5	61.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	10-01-2025	42.2	39.4
JAN'25	25-01-2025	44.6	40.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MAHAKALI UG

CHANDRAPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/JAN-25/37		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16/01/25 TO 15/02/25	

MANAGER OFFICE MAHAKALI UG CMKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-01-2025	12-01-2025	395	161	43	29	24	Clear Sky/calm
26-01-2025	27-01-2025	382	168	49	31	27	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-2025	08-01-2025	407	175	42	35	26	Clear Sky/calm
22-01-2025	23-01-2025	415	179	47	38	31	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3(C.R.C-U/G)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	397	176	41	29	25	Clear Sky/calm
21-01-2025	22-01-2025	381	159	36	35	23	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMKUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06-01-2025	07-01-2025	71	23	22	16	Clear Sky/calm
21-01-2025	22-01-2025	82	27	25	19	Clear Sky/calm
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :			16/01/25 TO 15/02/25

MINE WATER DISCHARGE: CMKUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.01.2025	7.52	24	28	BDL
22.01.2025	7.44	29	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: CMKUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	68.2	64.4
JAN'25	25-01-2025	70.2	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MAHAKALI): CMKUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	42.2	40.5
JAN'25	25-01-2025	43.8	40.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MANA UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

Environment Laboratory
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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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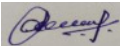
TEST REPORT NO.	RIN/TR/JAN-25/38	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/01/25 TO 15/02/25

MANAGER OFFICE CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-01-2025	12-01-2025	398	179	46	31	25	Clear Sky/calm
26-01-2025	27-01-2025	392	159	50	29	28	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE CMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-01-2025	11-01-2025	410	156	45	35	26	Clear Sky/calm
27-01-2025	28-01-2025	400	153	49	29	22	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (NANDGAON) CNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-01-2025	06-01-2025	84	30	25	18	Clear Sky/calm	
06-01-2025	07-01-2025	79	31	29	20	Clear Sky/calm	
11-01-2025	12-01-2025	86	28	28	23	Clear Sky/calm	
12-01-2025	13-01-2025	88	26	26	17	Clear Sky/calm	
18-01-2025	19-01-2025	90	29	29	22	Clear Sky/calm	
19-01-2025	20-01-2025	77	25	27	24	Clear Sky/calm	
24-01-2025	25-01-2025	85	30	23	22	Clear Sky/calm	
25-01-2025	26-01-2025	78	29	26	19	Clear Sky/calm	
30-01-2025	31-01-2025	80	27	24	21	Clear Sky/calm	
31-01-2025	01-02-2025	82	24	30	26	Clear Sky/calm	
		100	60	80	80		

MANA VILLAGE CMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-01-2025	11-01-2025	80	27	26	13	Clear Sky/calm	
25-01-2025	26-01-2025	74	22	20	15	Clear Sky/calm	
		100	60	80	80		

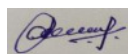


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/01/25 TO 15/02/25

MINE WATER DISCHARGE: CMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.01.2025	7.54	23	28	BDL
26.01.2025	7.41	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

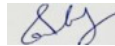
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: CMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	67.2	64.3
JAN'25	25-01-2025	72.4	67.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(HLP OC): CHON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	42.2	39.4
JAN'25	25-01-2025	44.6	40.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NANDGAON UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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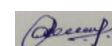
TEST REPORT NO.	RIN/TR/JAN-25/39	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/01/25 TO 15/02/25

MANAGER OFFICE NANDGAON UG				CNUA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	414	170	42	35	22	Clear Sky/calm
27-01-2025	28-01-2025	426	196	46	31	26	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE			CMUA2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-01-2025	11-01-2025	410	156	45	35	26	Clear Sky/calm
27-01-2025	28-01-2025	400	153	49	29	22	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE		CMUA4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-01-2025	11-01-2025	80	27	26	13	Clear Sky/calm
25-01-2025	26-01-2025	74	22	20	15	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

COLONY (NANDGAON)		CNUA2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	84	30	25	18	Clear Sky/calm
06-01-2025	07-01-2025	79	31	29	20	Clear Sky/calm
11-01-2025	12-01-2025	86	28	28	23	Clear Sky/calm
12-01-2025	13-01-2025	88	26	26	17	Clear Sky/calm
18-01-2025	19-01-2025	90	29	29	22	Clear Sky/calm
19-01-2025	20-01-2025	77	25	27	24	Clear Sky/calm
24-01-2025	25-01-2025	85	30	23	22	Clear Sky/calm
25-01-2025	26-01-2025	78	29	26	19	Clear Sky/calm
30-01-2025	31-01-2025	80	27	24	21	Clear Sky/calm
31-01-2025	01-02-2025	82	24	30	26	Clear Sky/calm
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/01/25 TO 15/02/25

MINE WATER DISCHARGE: CNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.01.2025	7.52	22	24	BDL
26.01.2025	7.46	25	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

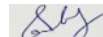
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	67.3	64.5
JAN'25	25-01-2025	72.3	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP OC:		CHON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	10-01-2025	42.2	39.4
JAN'25	25-01-2025	44.6	40.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PADMAPUR OC

CHANDRAPUR AREA

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JOB NO. 4094423068

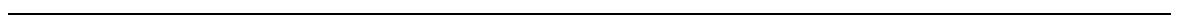


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/40	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/01/25 TO 15/02/25

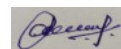
MANAGER OFFICE Q-IV CPOA1 (Padmapur)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-01-2025	09-01-2025	432	173	47	38	26	Clear Sky/calm
23-01-2025	24-01-2025	448	188	40	37	24	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE Q-IV CDOA3 (Durgapur OC)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-01-2025	09-01-2025	431	194	57	41	25	Clear Sky/calm
23-01-2025	24-01-2025	442	185	52	35	29	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

WARWAT VILLAGE CPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
09-01-2025	10-01-2025	84	22	25	16	Clear Sky/calm	
24-01-2025	25-01-2025	79	28	27	14	Clear Sky/calm	
		100	60	80	80		

KITADI VILLAGE CPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-01-2025	09-01-2025	76	32	30	16	Clear Sky/calm	
23-01-2025	24-01-2025	82	25	32	24	Clear Sky/calm	
		100	60	80	80		

VICHODA RAYATWARI VILLAGE CPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-01-2025	09-01-2025	86	30	27	18	Clear Sky/calm	
23-01-2025	24-01-2025	78	26	31	20	Clear Sky/calm	
		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

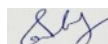
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP:		CPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	10-01-2025	66.2	63.4
JAN'25	25-01-2025	63.8	60.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	10-01-2025	43.2	41.5
JAN'25	25-01-2025	44.5	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI-II(A) OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/51	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

NMOC SUBSTATION MMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	392	206	64	20	16	CLOUDY SKY/MODERATE BREEZE
26-01-2025	27-01-2025	390	200	60	20	16	CLOUDY SKY/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PATALA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	395	185	60	20	16	CLOUDY SKY/MODERATE BREEZE
26-01-2025	27-01-2025	366	160	53	16	13	CLOUDY SKY/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PRIMARY HEALTH CENTRE,MAJRI BASTI MMOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-01-2025	02-01-2025	72	60	16	14	CLEAR SKY/LIGHT BREEZE
02-01-2025	03-01-2025	62	52	14	12	CLEAR SKY/MODERATE BREEZE
08-01-2025	09-01-2025	67	55	16	13	CLEAR SKY/ LIGHT BREEZE
09-01-2025	10-01-2025	75	58	18	15	CLEAR SKY/MODERATE BREEZE
13-01-2025	14-01-2025	72	54	16	14	CLEAR SKY/ LIGHT BREEZE
16-01-2025	17-01-2025	68	52	16	12	CLEAR SKY/LIGHT BREEZE
22-01-2025	23-01-2025	73	55	15	10	CLEAR SKY/ MODERATE BREEZE
23-01-2025	24-01-2025	75	53	16	14	CLEAR SKY/LIGHT BREEZE
27-01-2025	28-01-2025	72	52	20	15	CLEAR SKY/ MODERATE BREEZE
28-01-2025	29-01-2025	66	49	15	12	CLEAR SKY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

KUCHANA COLONY MMOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-01-2025	02-01-2025	70	53	14	11	CLEAR SKY/LIGHT BREEZE
02-01-2025	03-01-2025	65	56	15	12	CLEAR SKY/MODERATE BREEZE
08-01-2025	09-01-2025	78	57	13	10	CLEAR SKY/ LIGHT BREEZE
09-01-2025	10-01-2025	73	54	18	14	CLEAR SKY/MODERATE BREEZE
13-01-2025	14-01-2025	70	50	16	13	CLEAR SKY/ LIGHT BREEZE
16-01-2025	17-01-2025	67	56	18	14	CLEAR SKY/LIGHT BREEZE
22-01-2025	23-01-2025	70	58	14	12	CLEAR SKY/ MODERATE BREEZE
23-01-2025	24-01-2025	69	55	16	14	CLEAR SKY/LIGHT BREEZE
27-01-2025	28-01-2025	68	52	14	10	CLEAR SKY/ MODERATE BREEZE
28-01-2025	29-01-2025	70	57	16	13	CLEAR SKY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: MMOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-01-2025	7.50	38	40	BDL
29-01-2025	7.38	42	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: MMOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-01-2025	7.98	42	28	BDL
29-01-2025	7.74	44	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
13-01-2025	32	13.2
29-01-2025	48	12
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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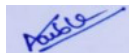
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

FIELD MAIN SHED:		MMON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	56.5	53.3
JAN'25	28-01-2025	61.4	59.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PRIMARY HEALTH CENTER MAJRI BASTI		MMON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	42.5	40.3
JAN'25	28-01-2025	43.2	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI UG TO OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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 RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/50	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

PATALLA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	395	185	60	20	16	CLOUDY SKY/MODERATE BREEZE
26-01-2025	27-01-2025	366	160	53	16	13	CLOUDY SKY/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

MANAGER OFFICE UG TO OC MMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	398	206	62	18	15	CLOUDY SKY/MODERATE BREEZE
26-01-2025	27-01-2025	378	172	58	16	14	CLOUDY SKY/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

CONTRACTOR CAMP MMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	400	194	58	16	12	CLOUDY SKY/MODERATE BREEZE
26-01-2025	27-01-2025	371	176	54	18	15	CLOUDY SKY/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAWARLA VILLAGE MMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	68	52	20	16		CLEAR SKY/LIGHT BREEZE
02-01-2025	03-01-2025	72	60	17	14		CLEAR SKY/MODERATE BREEZE
08-01-2025	09-01-2025	76	51	14	12		CLEAR SKY/ LIGHT BREEZE
09-01-2025	10-01-2025	64	55	14	10		CLEAR SKY/MODERATE BREEZE
13-01-2025	14-01-2025	68	56	17	13		CLEAR SKY/ LIGHT BREEZE
16-01-2025	17-01-2025	65	50	16	13		CLEAR SKY/LIGHT BREEZE
22-01-2025	23-01-2025	68	56	14	12		CLEAR SKY/ MODERATE BREEZE
23-01-2025	24-01-2025	70	58	16	13		CLEAR SKY/LIGHT BREEZE
27-01-2025	28-01-2025	74	50	15	12		CLEAR SKY/ MODERATE BREEZE
28-01-2025	29-01-2025	76	57	14	12		CLEAR SKY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		



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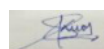
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: MMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-01-2025	7.55	30	44	BDL
29-01-2025	7.56	34	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: MMUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-01-2025	7.95	36	56	BDL
29-01-2025	8.24	32	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
13-01-2025	46	9
29-01-2025	40	10.2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE:		MMUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	54.5	52.6
JAN'25	28-01-2025	54.8	52.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

KUCHNA COLONY		MMON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	43.6	41.5
JAN'25	28-01-2025	44.1	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

YEKONA I & II OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/52	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

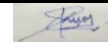
PIT OFFICE MYOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	408	215	68	22	17	CLOUDY SKY /MODERATE BREEZE
26-01-2025	27-01-2025	400	210	72	22	18	CLOUDY SKY /MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300		120	120	

PENZURNI VILLAGE			MYOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-01-2025	02-01-2025	68	52	14	10	CLEAR SKY/LIGHT BREEZE
02-01-2025	03-01-2025	74	56	16	14	CLEAR SKY/MODERATE BREEZE
08-01-2025	09-01-2025	67	58	20	15	CLEAR SKY/ LIGHT BREEZE
09-01-2025	10-01-2025	66	54	15	12	CLEAR SKY/MODERATE BREEZE
13-01-2025	14-01-2025	62	50	14	12	CLEAR SKY/ LIGHT BREEZE
16-01-2025	17-01-2025	64	50	14	12	CLEAR SKY/LIGHT BREEZE
22-01-2025	23-01-2025	68	53	16	14	CLEAR SKY/ MODERATE BREEZE
23-01-2025	24-01-2025	70	58	18	14	CLEAR SKY/LIGHT BREEZE
27-01-2025	28-01-2025	66	54	14	12	CLEAR SKY/ MODERATE BREEZE
28-01-2025	29-01-2025	70	59	15	12	CLEAR SKY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

DANDGAON VILLAGE MYOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-01-2025	02-01-2025	70	60	14	10	CLEAR SKY/LIGHT BREEZE
02-01-2025	03-01-2025	74	55	16	13	CLEAR SKY/MODERATE BREEZE
08-01-2025	09-01-2025	68	50	18	14	CLEAR SKY/ LIGHT BREEZE
09-01-2025	10-01-2025	70	54	15	12	CLEAR SKY/MODERATE BREEZE
13-01-2025	14-01-2025	73	56	16	14	CLEAR SKY/ LIGHT BREEZE
16-01-2025	17-01-2025	68	55	16	14	CLEAR SKY/LIGHT BREEZE
22-01-2025	23-01-2025	76	50	14	12	CLEAR SKY/ MODERATE BREEZE
23-01-2025	24-01-2025	66	58	16	13	CLEAR SKY/LIGHT BREEZE
27-01-2025	28-01-2025	60	52	14	12	CLEAR SKY/ MODERATE BREEZE
28-01-2025	29-01-2025	69	57	16	14	CLEAR SKY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

HIWRA MAJRA VILLAGE MYOA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-01-2025	02-01-2025	69	53	14	12	CLEAR SKY/LIGHT BREEZE
02-01-2025	03-01-2025	68	52	20	15	CLEAR SKY/MODERATE BREEZE
08-01-2025	09-01-2025	65	53	16	12	CLEAR SKY/ LIGHT BREEZE
09-01-2025	10-01-2025	66	51	14	12	CLEAR SKY/MODERATE BREEZE
13-01-2025	14-01-2025	70	55	15	11	CLEAR SKY/ LIGHT BREEZE
16-01-2025	17-01-2025	67	59	16	13	CLEAR SKY/LIGHT BREEZE
22-01-2025	23-01-2025	64	54	14	12	CLEAR SKY/ MODERATE BREEZE
23-01-2025	24-01-2025	68	56	16	14	CLEAR SKY/LIGHT BREEZE
27-01-2025	28-01-2025	70	53	18	14	CLEAR SKY/ MODERATE BREEZE
28-01-2025	29-01-2025	68	50	19	15	CLEAR SKY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

CONTRACTOR CAMP				MYOA6			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-01-2025	06-01-2025	419	221	70	24	20	CLEAR SKY/ MODERATE BREEZE
19-01-2025	20-01-2025	408	216	68	21	16	CLEAR SKY/ MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300		120	120	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: YEKONA I OC : MYOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	7.96	34	52	BDL
29-01-2025	7.84	36	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE: YEKONA II OC : MYOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	8.02	28	48	BDL
29-01-2025	7.92	46	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP : MYOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	7.97	48	36	BDL
29-01-2025	7.82	40	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: : MYOW4				
DATE OF SAMPLE COLLECTION	TSS (in mg/l)		BOD(in mg/l)	
DETECTION LIMIT	10		2	
13-01-2025	30		9.6	
29-01-2025	36		11.4	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100		30	



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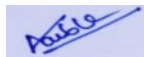
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

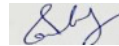
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE		MYON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	55.3	53.2
JAN'25	28-01-2025	55.6	52.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

YEKONA VILLAGE		MYON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	42.1	40.1
JAN'25	28-01-2025	42.5	40.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/1	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

PROJECT MANAGER OFFICE NAAU1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	364	211	58	43	20	CLOUDY/CALM
26-01-2025	27-01-2025	370	201	56	38	20	CLOUDY/WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE NAAU2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	74	30	25	BDL		CLOUDY/CALM
02-01-2025	03-01-2025	98	43	27	BDL		CLOUDY/LIGHT BREEZE
08-01-2025	09-01-2025	62	40	26	BDL		CLOUDY/LIGHT BREEZE
09-01-2025	10-01-2025	90	42	24	BDL		CLOUDY/CALM
15-01-2025	16-01-2025	87	37	28	BDL		CLEAR/CALM
16-01-2025	17-01-2025	73	42	25	BDL		CLEAR/CALM
22-01-2025	23-01-2025	69	39	29	BDL		CLEAR/LIGHT BREEZE
23-01-2025	24-01-2025	74	36	26	BDL		CLEAR/CALM
27-01-2025	28-01-2025	68	35	30	BDL		CLEAR/WINDY
28-01-2025	29-01-2025	86	38	30	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	65	42	29	BDL		CLOUDY/CALM
16-01-2025	17-01-2025	63	43	27	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	75	39	28	BDL		CLOUDY/CALM
16-01-2025	17-01-2025	70	36	27	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: NBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	7.9	16	20	BDL
26-01-2025	7.87	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JAN-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: NAUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	54.2	52.2
JAN'25	20-01-2025	56.8	54.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (SAONER): NSNUN4		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	44.2	42.3
JAN'25	20-01-2025	44.2	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

KOTODI VILLAGE NAUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	45.2	43.1
JAN'25	20-01-2025	43.3	40.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

PATHAKAKHEDI GP OFFICE NAUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	45.3	43.5
JAN'25	20-01-2025	42.8	40.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT
Amalgamation of Kamptee Deep & Inder OC
NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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 RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/JAN-25/4		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-01-25 TO 15-02-25	

NEAR PIT NO.6 / MANAGER OFFICE NIOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
05-01-2025	06-01-2025	383	223	60	41	20	CLOUDY/CALM
19-01-2025	20-01-2025	388	219	59	42	22	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

CMPDI TEKADI STORE NIOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
06-01-2025	07-01-2025	372	200	57	39	19	CLEAR/WINDY
20-01-2025	21-01-2025	367	198	56	40	19	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
05-01-2025	06-01-2025	375	214	59	39	19	CLOUDY/CALM
19-01-2025	20-01-2025	380	212	60	41	20	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

JUNI KAMTEE VILLAGE NKCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
03-01-2025	04-01-2025	96	37	28	BDL		CLEAR/LIGHT BREEZE
04-01-2025	05-01-2025	76	42	26	BDL		CLOUDY/LIGHT BREEZE
10-01-2025	11-01-2025	81	40	29	BDL		CLEAR/WINDY
11-01-2025	12-01-2025	63	43	27	BDL		CLEAR/WINDY
17-01-2025	18-01-2025	78	41	30	BDL		CLOUDY/LIGHT BREEZE
18-01-2025	19-01-2025	91	38	27	BDL		CLOUDY/CALM
24-01-2025	25-01-2025	94	39	26	BDL		CLEAR/CALM
25-01-2025	26-01-2025	79	37	25	BDL		CLOUDY/LIGHT BREEZE
29-01-2025	30-01-2025	66	35	27	BDL		CLOUDY/CALM
30-01-2025	31-01-2025	81	30	28	BDL		CLOUDY/WINDY
NAAQS, 2009		100	60	80	80		

G.P. OFFICE KANDRI VILLAGE NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
03-01-2025	04-01-2025	77	32	27	BDL		CLEAR/LIGHT BREEZE
04-01-2025	05-01-2025	89	38	29	BDL		CLOUDY/LIGHT BREEZE
10-01-2025	11-01-2025	95	40	25	BDL		CLEAR/WINDY
11-01-2025	12-01-2025	79	38	27	BDL		CLEAR/WINDY
17-01-2025	18-01-2025	75	34	25	BDL		CLOUDY/LIGHT BREEZE
18-01-2025	19-01-2025	78	37	27	BDL		CLOUDY/CALM
24-01-2025	25-01-2025	64	38	26	BDL		CLEAR/CALM
25-01-2025	26-01-2025	89	35	24	BDL		CLOUDY/LIGHT BREEZE
29-01-2025	30-01-2025	95	35	29	BDL		CLOUDY/CALM
30-01-2025	31-01-2025	68	38	28	BDL		CLOUDY/WINDY
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE DISCHARGE:		NIOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-01-2025	7.57	18	24	BDL
19-01-2025	7.96	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE:		NIOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-01-2025	8.26	20	28	BDL
19-01-2025	8.22	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

RC OFFICE: NION1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	52.2	50.3
JAN'25	20-01-2025	54.6	52.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

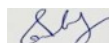
CHP NKCNI			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	67.2	65.1
JAN'25	20-01-2025	69.9	68.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY KAMTEE NKCNI			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	43.7	41.5
JAN'25	20-01-2025	43.1	41.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMTEE VILLAGE NKCNI			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	45.8	43.8
JAN'25	20-01-2025	41.9	40.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

BHANEGOAN OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/2	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

NEAR MANAGER OFFICE NBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	373	218	57	40	21	CLEAR/WINDY
20-01-2025	21-01-2025	385	207	59	39	20	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

BINA SANGAM TEMPLE NBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	90	40	24	BDL		CLOUDY/CALM
02-01-2025	03-01-2025	74	39	26	BDL		CLOUDY/LIGHT BREEZE
08-01-2025	09-01-2025	82	38	25	BDL		CLOUDY/LIGHT BREEZE
09-01-2025	10-01-2025	69	41	27	BDL		CLOUDY/CALM
15-01-2025	16-01-2025	75	41	29	BDL		CLEAR/CALM
16-01-2025	17-01-2025	62	38	25	BDL		CLEAR/CALM
22-01-2025	23-01-2025	96	31	27	BDL		CLEAR/LIGHT BREEZE
23-01-2025	24-01-2025	72	38	25	BDL		CLEAR/CALM
27-01-2025	28-01-2025	80	36	27	BDL		CLEAR/WINDY
28-01-2025	29-01-2025	67	40	25	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

BINA VILLAGE NBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	62	38	25	BDL		CLOUDY/CALM
02-01-2025	03-01-2025	93	31	29	BDL		CLOUDY/LIGHT BREEZE
08-01-2025	09-01-2025	72	39	24	BDL		CLOUDY/LIGHT BREEZE
09-01-2025	10-01-2025	65	37	30	BDL		CLOUDY/CALM
15-01-2025	16-01-2025	88	39	28	BDL		CLEAR/CALM
16-01-2025	17-01-2025	72	38	25	BDL		CLEAR/CALM
22-01-2025	23-01-2025	93	40	27	BDL		CLEAR/LIGHT BREEZE
23-01-2025	24-01-2025	71	42	28	BDL		CLEAR/CALM
27-01-2025	28-01-2025	63	38	25	BDL		CLEAR/WINDY
28-01-2025	29-01-2025	73	42	26	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

DORLI VILLAGE NSOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	69	40	28	BDL		CLOUDY/CALM
02-01-2025	03-01-2025	71	37	24	BDL		CLOUDY/LIGHT BREEZE
08-01-2025	09-01-2025	87	39	28	BDL		CLOUDY/LIGHT BREEZE
09-01-2025	10-01-2025	85	38	25	BDL		CLOUDY/CALM
15-01-2025	16-01-2025	76	37	29	BDL		CLEAR/CALM
16-01-2025	17-01-2025	79	30	29	BDL		CLEAR/CALM
22-01-2025	23-01-2025	86	34	27	BDL		CLEAR/LIGHT BREEZE
23-01-2025	24-01-2025	71	33	29	BDL		CLEAR/CALM
27-01-2025	28-01-2025	80	39	27	BDL		CLEAR/WINDY
28-01-2025	29-01-2025	79	39	29	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: NBOW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-01-2025	7.93	18	24	BDL
20-01-2025	8.36	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	07-01-2025	54.1	52.5
JAN'25	20-01-2025	55.3	52.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

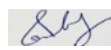
BINA VILLAGE		NBON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	07-01-2025	43.7	41.7
JAN'25	20-01-2025	42.2	40.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DORLI VILLAGE		NSON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	07-01-2025	46.4	43.4
JAN'25	20-01-2025	42.3	40.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

SOHALI VILLAGE:		NSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	07-01-2025	46.2	44.1
JAN'25	20-01-2025	41.9	40.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

DUMRI RAILWAY SIDING

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025



Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/5	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

DUMRI KHURD NDRSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	362	196	58	35	18	CLEAR/WINDY
20-01-2025	21-01-2025	374	206	57	36	21	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

NANDGAON VILLAGE NDRSA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-2025	04-01-2025	88	41	28	BDL	CLEAR/LIGHT BREEZE	
04-01-2025	05-01-2025	64	38	26	BDL	CLOUDY/LIGHT BREEZE	
10-01-2025	11-01-2025	94	42	29	BDL	CLEAR/WINDY	
11-01-2025	12-01-2025	71	36	27	BDL	CLEAR/WINDY	
17-01-2025	18-01-2025	73	32	27	BDL	CLOUDY/LIGHT BREEZE	
18-01-2025	19-01-2025	67	40	28	BDL	CLOUDY/CALM	
24-01-2025	25-01-2025	65	39	24	BDL	CLEAR/CALM	
25-01-2025	26-01-2025	70	43	28	BDL	CLOUDY/LIGHT BREEZE	
29-01-2025	30-01-2025	67	43	25	BDL	CLOUDY/CALM	
30-01-2025	31-01-2025	64	39	24	BDL	CLOUDY/WINDY	
NAAQS, 2009		100	60	80	80		

KERDI VILLAGE			NDRSA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-01-2025	04-01-2025	71	37	24	BDL	CLEAR/LIGHT BREEZE
04-01-2025	05-01-2025	74	32	29	BDL	CLOUDY/LIGHT BREEZE
10-01-2025	11-01-2025	77	36	26	BDL	CLEAR/WINDY
11-01-2025	12-01-2025	70	33	25	BDL	CLEAR/WINDY
17-01-2025	18-01-2025	85	38	28	BDL	CLOUDY/LIGHT BREEZE
18-01-2025	19-01-2025	63	42	25	BDL	CLOUDY/CALM
24-01-2025	25-01-2025	64	38	28	BDL	CLEAR/CALM
25-01-2025	26-01-2025	70	41	30	BDL	CLOUDY/LIGHT BREEZE
29-01-2025	30-01-2025	83	41	24	BDL	CLOUDY/CALM
30-01-2025	31-01-2025	76	37	28	BDL	CLOUDY/WINDY
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

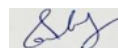
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

STATION MANAGER OFFICE		NKC1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	07-01-2025	53.7	51.1
JAN'25	20-01-2025	54.9	52.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NANDGAON VILLAGE		NKC2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	07-01-2025	44.5	42.5
JAN'25	20-01-2025	42.8	40.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

GONDEGAON OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

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JANUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/3	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

NEAR SUBSTATION / SAM OFFICE NGOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
		5	5	2	6	10
05-01-2025	06-01-2025	367	215	57	39	18
19-01-2025	20-01-2025	377	199	57	43	20
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 2000		600	300	-	120	120

GONDEGAON VILLAGE SCHOOL NGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
		5	2	6	10	
03-01-2025	04-01-2025	72	38	27	BDL	CLEAR/LIGHT BREEZE
04-01-2025	05-01-2025	70	34	29	BDL	CLOUDY/LIGHT BREEZE
10-01-2025	11-01-2025	74	43	26	BDL	CLEAR/WINDY
11-01-2025	12-01-2025	84	33	29	BDL	CLEAR/WINDY
17-01-2025	18-01-2025	82	43	26	BDL	CLOUDY/LIGHT BREEZE
18-01-2025	19-01-2025	69	40	24	BDL	CLOUDY/CALM
24-01-2025	25-01-2025	98	40	28	BDL	CLEAR/CALM
25-01-2025	26-01-2025	92	36	27	BDL	CLOUDY/LIGHT BREEZE
29-01-2025	30-01-2025	75	39	26	BDL	CLOUDY/CALM
30-01-2025	31-01-2025	63	38	29	BDL	CLOUDY/WINDY
NAAQS, 2009		100	60	80	80	

COLONY GUEST HOUSE/FILTER PLANT NGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
05-01-2025	06-01-2025	370	203	58	41	20
19-01-2025	20-01-2025	381	202	58	42	21
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 2000		600	300	-	120	120

GHATROHNA VILLAGE NGOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-01-2025	04-01-2025	83	42	27	BDL	CLEAR/LIGHT BREEZE
04-01-2025	05-01-2025	79	37	26	BDL	CLOUDY/LIGHT BREEZE
10-01-2025	11-01-2025	86	39	27	BDL	CLEAR/WINDY
11-01-2025	12-01-2025	76	42	29	BDL	CLEAR/WINDY
17-01-2025	18-01-2025	97	39	28	BDL	CLOUDY/LIGHT BREEZE
18-01-2025	19-01-2025	65	42	30	BDL	CLOUDY/CALM
24-01-2025	25-01-2025	62	43	29	BDL	CLEAR/CALM
25-01-2025	26-01-2025	68	42	26	BDL	CLOUDY/LIGHT BREEZE
29-01-2025	30-01-2025	81	38	24	BDL	CLOUDY/CALM
30-01-2025	31-01-2025	85	38	28	BDL	CLOUDY/WINDY
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE NGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-01-2025	7.52	16	20	BDL
19-01-2025	7.95	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE NGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-01-2025	8.4	18	24	BDL
19-01-2025	8.34	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JAN-2015
SAMPLING METHOD	LSOP 6

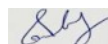
CHP NGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	07-01-2025	66.7	64.6
JAN'25	20-01-2025	69.7	68.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GONDEGAON VILLAGE/COLONY NGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	07-01-2025	45.7	43.9
JAN'25	20-01-2025	43.3	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE: NKC3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	07-01-2025	45.8	43.8
JAN'25	20-01-2025	41.9	40.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/6	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

COLLIERY MANAGER OFFICE NPTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	374	212	58	37	20	CLOUDY/CALM
26-01-2025	27-01-2025	364	197	51	38	19	CLOUDY/WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 2000		600	300	-	120	120	

SADBHAVAN NAGAR (FILTER PLANT) NPTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	91	41	26	BDL		CLOUDY/CALM
16-01-2025	17-01-2025	75	38	27	BDL		CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

NEAR LCH QR. NPTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	78	42	28	BDL		CLOUDY/CALM
16-01-2025	17-01-2025	77	37	26	BDL		CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

SAVARMENDHA /TANDULWADI VILLAGE. NPTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	85	42	28	BDL		CLOUDY/CALM
16-01-2025	17-01-2025	81	36	29	BDL		CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE DISCHARGE: NPTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	7.54	20	28	BDL
26-01-2025	7.8	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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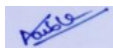
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JAN-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE		NPTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	71.2	68.1
JAN'25	20-01-2025	70.8	69.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SADBHAVNA NAGAR FILTER PLANT		NPTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	48.7	46.2
JAN'25	20-01-2025	43.9	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

SAVARMENDHA VILLAGE		NPTUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	45.1	42.5
JAN'25	20-01-2025	43.3	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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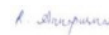
TEST REPORT NO.	RIN/TR/JAN-25/8	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

C.M OFFICE-SAONER-I UG NSNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-01-2025	02-01-2025	368	204	54	38	20	CLOUDY/CALM
16-01-2025	17-01-2025	371	209	60	39	20	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

C.M OFFICE-SAONER-II UG NSNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-01-2025	02-01-2025	361	198	57	36	21	CLOUDY/CALM
16-01-2025	17-01-2025	365	204	55	37	20	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-01-2025	02-01-2025	65	42	29	BDL		CLOUDY/CALM
16-01-2025	17-01-2025	63	43	27	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-01-2025	02-01-2025	75	39	28	BDL		CLOUDY/CALM
16-01-2025	17-01-2025	70	36	27	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE I UG: NSNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-01-2025	7.05	18	24	BDL
22-01-2025	7.76	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE II UG: NSNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-01-2025	7.46	16	24	BDL
22-01-2025	7.85	18	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE III UG: NSNUW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-01-2025	7.52	18	20	BDL
22-01-2025	8.05	20	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE-I: NSNUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	69.2	67.3
JAN'25	20-01-2025	71.3	69.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-II: NSNUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	69.5	68.2
JAN'25	20-01-2025	70.9	69.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-III: NSNUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	68.6	66.3
JAN'25	20-01-2025	71.0	69.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: NSNUN4		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	44.2	42.3
JAN'25	20-01-2025	44.2	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

SILEWARA UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/9	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

WATER FILTER FLANT				NSUA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-2025	08-01-2025	371	208	58	41	21	CLEAR/LIGHT BREEZE
21-01-2025	22-01-2025	375	211	57	39	20	CLOUDY/L.BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

V.T.C. SILEWARA				NSUA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-2025	08-01-2025	380	213	59	40	19	CLEAR/LIGHT BREEZE
21-01-2025	22-01-2025	369	205	55	41	21	CLOUDY/L.BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

MANDIR NEAR KANHAN RIVER			NSUA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
07-01-2025	08-01-2025	67	42	28	BDL	CLEAR/LIGHT BREEZE
21-01-2025	22-01-2025	77	41	30	BDL	CLOUDY/L.BREEZE
NAAQS, 2009		100	60	80	80	

CHANKAPUR PUMP HOUSE/ COLONY			NSUA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
07-01-2025	08-01-2025	68	37	26	BDL	CLEAR/LIGHT BREEZE
21-01-2025	22-01-2025	83	39	31	BDL	CLOUDY/L.BREEZE
NAAQS, 2009		100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: NSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-01-2025	7.08	16	20	BDL
21-01-2025	7.75	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

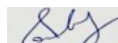
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: NSUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	70.2	68.5
JAN'25	20-01-2025	70.6	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SILEWARA): NSUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	44.6	42.0
JAN'25	20-01-2025	43.3	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025



Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/10	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MANAGER OFFICE NSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITION (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	386	224	60	41	20	CLEAR/WINDY
20-01-2025	21-01-2025	378	213	58	39	22	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

SOHALI VILLAGE NSOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-01-2025	02-01-2025	68	40	25	BDL	CLOUDY/CALM
02-01-2025	03-01-2025	73	37	28	BDL	CLOUDY/LIGHT BREEZE
08-01-2025	09-01-2025	75	39	24	BDL	CLOUDY/LIGHT BREEZE
09-01-2025	10-01-2025	66	36	27	BDL	CLOUDY/CALM
15-01-2025	16-01-2025	67	38	25	BDL	CLEAR/CALM
16-01-2025	17-01-2025	83	40	27	BDL	CLEAR/CALM
22-01-2025	23-01-2025	90	41	29	BDL	CLEAR/LIGHT BREEZE
23-01-2025	24-01-2025	84	37	24	BDL	CLEAR/CALM
27-01-2025	28-01-2025	75	34	29	BDL	CLEAR/WINDY
28-01-2025	29-01-2025	70	42	30	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

HINGNA VILLAGE NSOA3						
DATE(dd:mm:yy) OF SAMPLING		SPM				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-01-2025	02-01-2025	97	37	25	BDL	CLOUDY/CALM
02-01-2025	03-01-2025	78	39	28	BDL	CLOUDY/LIGHT BREEZE
08-01-2025	09-01-2025	92	35	26	BDL	CLOUDY/LIGHT BREEZE
09-01-2025	10-01-2025	66	40	29	BDL	CLOUDY/CALM
15-01-2025	16-01-2025	74	38	26	BDL	CLEAR/CALM
16-01-2025	17-01-2025	76	37	27	BDL	CLEAR/CALM
22-01-2025	23-01-2025	77	39	29	BDL	CLEAR/LIGHT BREEZE
23-01-2025	24-01-2025	68	38	27	BDL	CLEAR/CALM
27-01-2025	28-01-2025	66	41	27	BDL	CLEAR/WINDY
28-01-2025	29-01-2025	84	40	27	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

DORLI VILLAGE NSOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-01-2025	02-01-2025	69	40	28	BDL	CLOUDY/CALM
02-01-2025	03-01-2025	71	37	24	BDL	CLOUDY/LIGHT BREEZE
08-01-2025	09-01-2025	87	39	28	BDL	CLOUDY/LIGHT BREEZE
09-01-2025	10-01-2025	85	38	25	BDL	CLOUDY/CALM
15-01-2025	16-01-2025	76	37	29	BDL	CLEAR/CALM
16-01-2025	17-01-2025	79	30	29	BDL	CLEAR/CALM
22-01-2025	23-01-2025	86	34	27	BDL	CLEAR/LIGHT BREEZE
23-01-2025	24-01-2025	71	33	29	BDL	CLEAR/CALM
27-01-2025	28-01-2025	80	39	27	BDL	CLEAR/WINDY

28-01-2025	29-01-2025	79	39	29	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: NSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-01-2025	7.86	18	24	BDL
20-01-2025	8.02	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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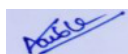
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

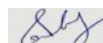
CONTRACTOR CAMP: NSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	55.1	52.2
JAN'25	20-01-2025	54.8	52.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SOHALI VILLAGE: NSON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	46.2	44.1
JAN'25	20-01-2025	41.9	40.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DORLI VILLAGE: NSON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	46.4	43.4
JAN'25	20-01-2025	42.3	40.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/7	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MANAGER OFFICE NWUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM 5	PM ₁₀ 5	PM _{2.5} 2	NO ₂ 6	SO ₂ 10	
12-01-2025	13-01-2025	379	210	58	40	19	CLOUDY/CALM
26-01-2025	27-01-2025	373	201	56	39	19	CLOUDY/WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀ 5	PM _{2.5} 2	NO ₂ 6	SO ₂ 10		
01-01-2025	02-01-2025	65	42	29	BDL	CLOUDY/CALM	
16-01-2025	17-01-2025	63	43	27	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: NWUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	7.76	20	28	BDL
26-01-2025	7.98	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

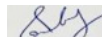
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JAN-2015
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE		NWUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	55.3	53.5
JAN'25	20-01-2025	46.2	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

TRANSIT HOTEL		NWUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	46.2	44.2
JAN'25	20-01-2025	43.9	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

DINESH OCP

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025



Environment Laboratory

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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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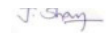
TEST REPORT NO.	RIN/TR/JAN-25/11	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25	

MANAGER OFFICE UM30A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-01-2025	04-01-2025	266	163	48	12	10	Cloudy sky / Calm
18-01-2025	19-01-2025	281	170	54	15	13	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR RLY. WEIGHT BRIDGE UM30A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-01-2025	04-01-2025	278	182	51	13	11	Cloudy sky / Calm
18-01-2025	19-01-2025	293	192	56	16	14	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIPARDOL VILLAGE UM30A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-01-2025	02-01-2025	78	29	8	BDL	Clear sky/Light breeze	
02-01-2025	03-01-2025	81	31	9	BDL	Clear sky/Light breeze	
07-01-2025	08-01-2025	85	32	10	BDL	Clear sky/Light breeze	
08-01-2025	09-01-2025	88	30	11	10	Clear sky/Light breeze	
13-01-2025	14-01-2025	90	32	12	11	Clear sky/Light breeze	
14-01-2025	15-01-2025	91	31	10	BDL	Clear sky/Light breeze	
20-01-2025	21-01-2025	90	28	9	BDL	Clear sky/Light breeze	
21-01-2025	22-01-2025	93	33	11	10	Clear sky/Light breeze	
26-01-2025	27-01-2025	90	30	10	BDL	Clear sky/Light breeze	
27-01-2025	28-01-2025	94	35	13	11	Clear sky/Light breeze	
NAAQS, 2009		100	60	80	80		

WELSAKARA VILLAGE UM30A4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-01-2025	02-01-2025	83	28	8	BDL	Clear sky/Light breeze	
02-01-2025	03-01-2025	79	25	6	BDL	Clear sky/Light breeze	
07-01-2025	08-01-2025	80	30	9	BDL	Clear sky/Light breeze	
08-01-2025	09-01-2025	81	27	7	BDL	Clear sky/Light breeze	
13-01-2025	14-01-2025	86	29	8	BDL	Clear sky/Light breeze	
14-01-2025	15-01-2025	89	30	9	BDL	Clear sky/Light breeze	
20-01-2025	21-01-2025	90	31	11	10	Clear sky/Light breeze	
21-01-2025	22-01-2025	92	32	13	11	Clear sky/Light breeze	
26-01-2025	27-01-2025	89	30	10	BDL	Clear sky/Light breeze	
27-01-2025	28-01-2025	90	31	13	12	Clear sky/Light breeze	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: UM3OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-01-2025	7.99	24	32	BDL
18-01-2025	8.02	27	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM3OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-01-2025	8.04	15	24	BDL
18-01-2025	8.07	17	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

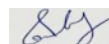
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE		UGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	08-01-2025	65.1	57.2
JAN'25	28-01-2025	66.8	57.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

HEOTI VILLAGE:		UM1ON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	08-01-2025	47.6	43.9
JAN'25	28-01-2025	49.2	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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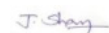
TEST REPORT NO.	RIN/TR/JAN-25/11	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

CONTRACTOR CAMP				UGOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04-01-2025	05-01-2025	280	170	52	16	13	Cloudy sky / Calm
19-01-2025	20-01-2025	292	183	58	18	15	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	
BESUR VILLAGE				UGOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀		PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5		2	6	10	
03-01-2025	04-01-2025	82		30	10	BDL	Clear sky / Light breeze
04-01-2025	05-01-2025	85		32	11	BDL	Clear sky / Light breeze
09-01-2025	10-01-2025	88		35	13	11	Clear sky / Light breeze
10-01-2025	11-01-2025	86		31	11	BDL	Clear sky / Light breeze
16-01-2025	17-01-2025	92		33	12	BDL	Clear sky / Light breeze
17-01-2025	18-01-2025	84		30	9	BDL	Clear sky / Light breeze
22-01-2025	23-01-2025	91		34	12	BDL	Clear sky / Light breeze
23-01-2025	24-01-2025	93		36	14	12	Clear sky / Light breeze
28-01-2025	29-01-2025	90		31	10	BDL	Clear sky / Light breeze
29-01-2025	30-01-2025	92		32	13	10	Clear sky / Light breeze
NAAQS, 2009		100		60	80	80	

NAND VILLAGE			UGOA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-01-2025	04-01-2025	80	29	8	BDL	Clear sky / Light breeze
04-01-2025	05-01-2025	83	30	9	BDL	Clear sky / Light breeze
09-01-2025	10-01-2025	81	32	8	BDL	Clear sky / Light breeze
10-01-2025	11-01-2025	79	28	7	BDL	Clear sky / Light breeze
16-01-2025	17-01-2025	82	31	9	BDL	Clear sky / Light breeze
17-01-2025	18-01-2025	85	32	10	BDL	Clear sky / Light breeze
22-01-2025	23-01-2025	88	34	11	10	Clear sky / Light breeze
23-01-2025	24-01-2025	91	33	13	11	Clear sky / Light breeze
28-01-2025	29-01-2025	92	35	14	12	Clear sky / Light breeze
29-01-2025	30-01-2025	90	30	10	BDL	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

POLGAON VILLAGE		UGOA4				
DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM₁₀	PM_{2.5}	NO₂	SO₂	
FROM	TO	5	2	6	10	
03-01-2025	04-01-2025	84	28	8	BDL	Clear sky / Light breeze
04-01-2025	05-01-2025	88	30	9	BDL	Clear sky / Light breeze
09-01-2025	10-01-2025	91	33	10	BDL	Clear sky / Light breeze
10-01-2025	11-01-2025	89	29	9	BDL	Clear sky / Light breeze
16-01-2025	17-01-2025	92	30	12	BDL	Clear sky / Light breeze
17-01-2025	18-01-2025	90	31	10	BDL	Clear sky / Light breeze
22-01-2025	23-01-2025	93	34	14	11	Clear sky / Light breeze
23-01-2025	24-01-2025	95	35	15	12	Clear sky / Light breeze
28-01-2025	29-01-2025	91	30	11	10	Clear sky / Light breeze
29-01-2025	30-01-2025	94	33	13	12	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

NEAR VIEW POINT				UGOA5			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04-01-2025	05-01-2025	275	166	49	13	12	Cloudy sky / Calm
19-01-2025	20-01-2025	288	170	54	15	13	Cloudy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G:		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: UGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-01-2025	7.91	25	36	BDL
19-01-2025	7.89	23	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): UGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-01-2025	8.29	19	28	BDL
19-01-2025	8.14	16	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

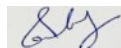
PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	08-01-2025	65.1	61.1
JAN'25	28-01-2025	68.2	61.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CONTRACTOR CAMP: UGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	08-01-2025	60.7	54.4
JAN'25	28-01-2025	64.5	55.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

POLGAON VILLAGE: UGON3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	08-01-2025	46.1	43.4
JAN'25	28-01-2025	48.6	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-II OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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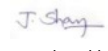
TEST REPORT NO.	RIN/TR/JAN-25/14	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

NEAR MANAGER OFFICE				UMOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-01-2025	03-01-2025	268	169	48	12	11	Cloudy sky / Calm
17-01-2025	18-01-2025	276	170	52	14	12	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE				UMOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-01-2025	04-01-2025	292	188	58	17	15	Cloudy sky / Calm
18-01-2025	19-01-2025	282	175	55	15	13	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE		UUOA3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-01-2025	04-01-2025	82	29	7	BDL	Clear sky / Light breeze
04-01-2025	05-01-2025	85	31	7	BDL	Clear sky / Light breeze
09-01-2025	10-01-2025	87	30	8	BDL	Clear sky / Light breeze
10-01-2025	11-01-2025	88	32	8	BDL	Clear sky / Light breeze
16-01-2025	17-01-2025	90	31	9	BDL	Clear sky / Light breeze
17-01-2025	18-01-2025	92	33	11	10	Clear sky / Light breeze
22-01-2025	23-01-2025	90	30	10	BDL	Clear sky / Light breeze
23-01-2025	24-01-2025	93	33	12	11	Clear sky / Light breeze
28-01-2025	29-01-2025	91	30	11	BDL	Clear sky / Light breeze
29-01-2025	30-01-2025	94	34	12	11	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY		UUOA4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-01-2025	04-01-2025	85	29	8	BDL	Clear sky / Light breeze
04-01-2025	05-01-2025	87	30	9	BDL	Clear sky / Light breeze
09-01-2025	10-01-2025	91	28	8	BDL	Clear sky / Light breeze
10-01-2025	11-01-2025	89	31	9	BDL	Clear sky / Light breeze
16-01-2025	17-01-2025	92	32	10	BDL	Clear sky / Light breeze
17-01-2025	18-01-2025	90	30	9	BDL	Clear sky / Light breeze
22-01-2025	23-01-2025	93	33	12	11	Clear sky / Light breeze
23-01-2025	24-01-2025	89	30	10	BDL	Clear sky / Light breeze
28-01-2025	29-01-2025	91	32	11	10	Clear sky / Light breeze
29-01-2025	30-01-2025	92	31	10	BDL	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	



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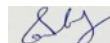
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

NEAR PIT OFFICE: UMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20	20
JAN'25	08-01-2025	60.6	58.4
JAN'25	28-01-2025	64.8	60.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

Environment Laboratory

CMPDI

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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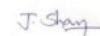
TEST REPORT NO.	RIN/TR/JAN-25/34	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

PIT OFFICE		UM10A1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
02-01-2025	03-01-2025	282	173	49	15	Cloudy sky / Calm
17-01-2025	18-01-2025	290	181	57	17	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

KALMANA VILLAGE		UM10A2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-01-2025	02-01-2025	79	27	8	BDL	Clear sky/Light breeze
02-01-2025	03-01-2025	83	30	9	11	Clear sky/Light breeze
07-01-2025	08-01-2025	85	32	10	BDL	Clear sky/Light breeze
08-01-2025	09-01-2025	86	30	9	BDL	Clear sky/Light breeze
13-01-2025	14-01-2025	88	33	10	BDL	Clear sky/Light breeze
14-01-2025	15-01-2025	84	31	8	BDL	Clear sky/Light breeze
20-01-2025	21-01-2025	90	34	11	10	Clear sky/Light breeze
21-01-2025	22-01-2025	88	30	8	BDL	Clear sky/Light breeze
26-01-2025	27-01-2025	90	33	10	BDL	Clear sky/Light breeze
27-01-2025	28-01-2025	93	35	12	10	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

SIRPUR VILLAGE		UM10A3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-01-2025	02-01-2025	82	28	8	BDL	Clear sky/Light breeze
02-01-2025	03-01-2025	85	30	9	BDL	Clear sky/Light breeze
07-01-2025	08-01-2025	88	31	9	BDL	Clear sky/Light breeze
08-01-2025	09-01-2025	86	29	8	BDL	Clear sky/Light breeze
13-01-2025	14-01-2025	89	32	9	BDL	Clear sky/Light breeze
14-01-2025	15-01-2025	91	35	10	BDL	Clear sky/Light breeze
20-01-2025	21-01-2025	93	37	12	11	Clear sky/Light breeze
21-01-2025	22-01-2025	89	33	9	BDL	Clear sky/Light breeze
26-01-2025	27-01-2025	90	36	14	12	Clear sky/Light breeze
27-01-2025	28-01-2025	92	35	12	11	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

KHURSAPUR VILLAGE				UM10A4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	85	29	9	BDL	Clear sky/Light breeze	
02-01-2025	03-01-2025	89	31	10	BDL	Clear sky/Light breeze	
07-01-2025	08-01-2025	87	28	9	BDL	Clear sky/Light breeze	
08-01-2025	09-01-2025	90	32	12	11	Clear sky/Light breeze	
13-01-2025	14-01-2025	93	34	14	12	Clear sky/Light breeze	
14-01-2025	15-01-2025	91	30	10	BDL	Clear sky/Light breeze	
20-01-2025	21-01-2025	89	27	9	BDL	Clear sky/Light breeze	
21-01-2025	22-01-2025	92	33	11	BDL	Clear sky/Light breeze	
26-01-2025	27-01-2025	88	30	9	BDL	Clear sky/Light breeze	
27-01-2025	28-01-2025	94	35	13	11	Clear sky/Light breeze	
NAAQS, 2009		100	60	80	80		
HEOTI VILLAGE				UM10A5			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	82	27	7	BDL	Clear sky/Light breeze	
02-01-2025	03-01-2025	83	29	8	BDL	Clear sky/Light breeze	
07-01-2025	08-01-2025	88	30	9	BDL	Clear sky/Light breeze	
08-01-2025	09-01-2025	85	27	8	BDL	Clear sky/Light breeze	
13-01-2025	14-01-2025	84	25	7	BDL	Clear sky/Light breeze	
14-01-2025	15-01-2025	90	31	10	BDL	Clear sky/Light breeze	
20-01-2025	21-01-2025	89	29	9	BDL	Clear sky/Light breeze	
21-01-2025	22-01-2025	92	33	11	10	Clear sky/Light breeze	
26-01-2025	27-01-2025	93	35	12	11	Clear sky/Light breeze	
27-01-2025	28-01-2025	91	30	10	BDL	Clear sky/Light breeze	
NAAQS, 2009		100	60	80	80		
SUBSTATION				UM10A6			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
FROM	TO	5	5	2	6		10
03-01-2025	04-01-2025	271	165	44	14	12	Cloudy sky / Calm
18-01-2025	19-01-2025	283	178	50	15	13	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



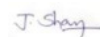
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: UM10W1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-01-2025	7.93	25	36	BDL
18-01-2025	7.9	31	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM10W2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-01-2025	8.38	17	28	BDL
18-01-2025	8.12	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

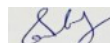
PIT OFFICE: UM1ON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	08-01-2025	64.0	60.2
JAN'25	28-01-2025	67.5	62.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM1ON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	08-01-2025	44.5	43.7
JAN'25	28-01-2025	47.7	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM1ON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	08-01-2025	47.6	43.9
JAN'25	28-01-2025	49.2	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MORPAR UG

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

Environment Laboratory

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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/15	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

NEAR PIT OFFICE UMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	277	168	50	14	12	Cloudy sky / Calm
20-01-2025	21-01-2025	289	179	56	16	13	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR MAGAZINE BUILDING UMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	285	180	58	15	14	Cloudy sky / Calm
20-01-2025	21-01-2025	290	188	51	17	15	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	14	120	

COLONY (MURPAR UG) UMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-01-2025	06-01-2025	92	35	11	10		Cloudy sky / Calm
20-01-2025	21-01-2025	94	37	12	11		Cloudy sky / Light breeze
NAAQS, 2009		100	60	80	80		

MORPAR VILLAGE UMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-01-2025	06-01-2025	90	31	10	BDL		Cloudy sky / Calm
20-01-2025	21-01-2025	93	33	11	10		Cloudy sky / Light breeze
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

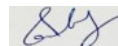
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		UMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	Night time
	DETECTION LIMIT	20	20
JAN'25	08-01-2025	57.3	49.4
JAN'25	28-01-2025	56.5	50.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	Night time
	DETECTION LIMIT	20	20
JAN'25	08-01-2025	42.9	40.1
JAN'25	28-01-2025	43.1	39.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

Environment Laboratory

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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/JAN-25/16		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-01-25 TO 15-02-25	

UMRER MANAGER OFFICE UUOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
02-01-2025	03-01-2025	295	182	59	17	15
17-01-2025	18-01-2025	289	177	57	15	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						

NEAR WORKSHOP UUOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
02-01-2025	03-01-2025	177	165	52	14	11
17-01-2025	18-01-2025	268	158	49	11	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						

KANWA VILLAGE UUOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-01-2025	04-01-2025	82	29	7	BDL	Clear sky / Light breeze
04-01-2025	05-01-2025	85	31	7	BDL	Clear sky / Light breeze
09-01-2025	10-01-2025	87	30	8	BDL	Clear sky / Light breeze
10-01-2025	11-01-2025	88	32	8	BDL	Clear sky / Light breeze
16-01-2025	17-01-2025	90	31	9	BDL	Clear sky / Light breeze
17-01-2025	18-01-2025	92	33	11	10	Clear sky / Light breeze
22-01-2025	23-01-2025	90	30	10	BDL	Clear sky / Light breeze
23-01-2025	24-01-2025	93	33	12	11	Clear sky / Light breeze
28-01-2025	29-01-2025	91	30	11	BDL	Clear sky / Light breeze
29-01-2025	30-01-2025	94	34	12	11	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY UUOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-01-2025	04-01-2025	85	29	6	BDL	Clear sky / Light breeze
04-01-2025	05-01-2025	87	30	9	BDL	Clear sky / Light breeze
09-01-2025	10-01-2025	91	28	8	BDL	Clear sky / Light breeze
10-01-2025	11-01-2025	89	31	9	BDL	Clear sky / Light breeze
16-01-2025	17-01-2025	92	32	10	BDL	Clear sky / Light breeze
17-01-2025	18-01-2025	90	30	9	BDL	Clear sky / Light breeze
22-01-2025	23-01-2025	93	33	12	11	Clear sky / Light breeze
23-01-2025	24-01-2025	89	30	10	BDL	Clear sky / Light breeze
28-01-2025	29-01-2025	91	32	11	10	Clear sky / Light breeze
29-01-2025	30-01-2025	92	31	10	BDL	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: UUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-01-2025	8.06	21	32	BDL
17-01-2025	7.94	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-01-2025	8.04	18	24	BDL
17-01-2025	8.01	16	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: UUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
02-01-2025	16	10.1
17-01-2025	22	12.2
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

J. Sheng

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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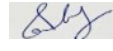
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP:		UUON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	08-01-2025	67.4	60.5
JAN'25	28-01-2025	68.5	59.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UUON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	08-01-2025	47.6	42.8
JAN'25	28-01-2025	48.9	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

GHUGUS OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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 RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/17	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25	

ACC PATCH NEAR ACC COLONY WGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-2025	08-01-2025	354	220	65	26	12	CLEAR/CALM
21-01-2025	22-01-2025	329	209	61	23	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE WGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-2025	08-01-2025	320	233	65	24	11	CLEAR/CALM
21-01-2025	22-01-2025	290	201	60	20	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

RAM NAGAR COLONY WGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	90	41	16	11	CLEAR/CALM	
02-01-2025	03-01-2025	81	35	15	BDL	CLEAR/CALM	
08-01-2025	09-01-2025	69	29	13	BDL	CLEAR/CALM	
09-01-2025	10-01-2025	88	37	15	BDL	CLEAR/CALM	
13-01-2025	14-01-2025	80	42	18	12	CLEAR/CALM	
16-01-2025	17-01-2025	83	35	16	BDL	CLEAR/CALM	
22-01-2025	23-01-2025	79	37	17	10	CLEAR/CALM	
23-01-2025	24-01-2025	74	33	14	BDL	CLEAR/CALM	
27-01-2025	28-01-2025	77	31	14	BDL	CLEAR/CALM	
28-01-2025	29-01-2025	75	32	16	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

GHUGUS VILLAGE (GP OFFICE) WGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	92	43	17	12	CLEAR/CALM	
02-01-2025	03-01-2025	74	29	16	BDL	CLEAR/CALM	
08-01-2025	09-01-2025	86	34	14	BDL	CLEAR/CALM	
09-01-2025	10-01-2025	71	33	13	BDL	CLEAR/CALM	
13-01-2025	14-01-2025	87	40	15	BDL	CLEAR/CALM	
16-01-2025	17-01-2025	76	34	14	BDL	CLEAR/CALM	
22-01-2025	23-01-2025	83	32	16	11	CLEAR/CALM	
23-01-2025	24-01-2025	79	40	17	BDL	CLEAR/CALM	
27-01-2025	28-01-2025	69	30	16	BDL	CLEAR/CALM	
28-01-2025	29-01-2025	75	37	16	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

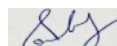
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

CHP: WGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	67.6	65.7
JAN'25	26-01-2025	67.3	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	44.4	43.0
JAN'25	26-01-2025	44.7	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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WANI AREA

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JOB NO. 4094423068



JANUARY 2025

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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/18	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MANAGER OFFICE				WKOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	303	195	62	23	12	CLEAR/CALM
21-01-2025	22-01-2025	327	216	66	25	13	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE		WMOA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	325	216	60	24	14	CLEAR/CALM
21-12-2024	22-12-2024	312	204	57	22	13	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

KOLGAON VILLAGE				WKOA3		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-01-2025	04-01-2025	91	39	15	BDL	CLEAR/CALM
04-01-2025	05-01-2025	65	29	14	BDL	CLEAR/CALM
10-01-2025	11-01-2025	79	35	16	12	CLEAR/CALM
11-01-2025	12-01-2025	70	33	15	10	CLEAR/CALM
17-01-2025	18-01-2025	81	38	17	BDL	CLEAR/CALM
18-01-2025	19-01-2025	78	35	18	BDL	CLEAR/CALM
24-01-2025	25-01-2025	83	31	14	11	CLEAR/CALM
25-01-2025	26-01-2025	72	38	15	BDL	CLEAR/CALM
29-01-2025	30-01-2025	80	37	18	BDL	CLEAR/CALM
30-01-2025	31-01-2025	74	33	14	11	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

KAILSHNAGAR TOWNSHIP - FILTER PLANT				WMOA3		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-01-2025	04-01-2025	73	39	17	BDL	CLEAR/CALM
04-01-2025	05-01-2025	79	41	15	10	CLEAR/CALM
10-01-2025	11-01-2025	82	43	16	BDL	CLEAR/CALM
11-01-2025	12-01-2025	91	38	15	BDL	CLEAR/CALM
17-01-2025	18-01-2025	85	39	16	10	CLEAR/CALM
18-01-2025	19-01-2025	80	29	14	BDL	CLEAR/CALM
24-01-2025	25-01-2025	74	32	13	BDL	CLEAR/CALM
25-01-2025	26-01-2025	84	42	18	12	CLEAR/CALM
29-01-2025	30-01-2025	89	36	14	BDL	CLEAR/CALM
30-01-2025	31-01-2025	74	40	15	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: WKOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	7.81	42	32	BDL
17-01-2025	7.08	48	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		WKON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	07-01-2025	54.4	53.4
JAN'25	26-01-2025	52.6	51.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI):		WKON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	07-01-2025	44.6	43.4
JAN'25	26-01-2025	45.0	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MUGOLI OC

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JOB NO. 4094423068



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/19	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

SUBSTATION WMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	316	204	63	24	11	CLEAR/CALM
20-01-2025	21-01-2025	288	198	59	22	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE WMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	325	216	60	24	14	CLEAR/CALM
20-01-2025	21-01-2025	312	204	57	22	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

KAILSHNAGAR TOWNSHIP - FILTER PLANT WMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-2025	04-01-2025	73	39	17	BDL		CLEAR/CALM
04-01-2025	05-01-2025	79	41	15	10		CLEAR/CALM
10-01-2025	11-01-2025	82	43	16	BDL		CLEAR/CALM
11-01-2025	12-01-2025	91	38	15	BDL		CLEAR/CALM
17-01-2025	18-01-2025	85	39	16	10		CLEAR/CALM
18-01-2025	19-01-2025	80	29	14	BDL		CLEAR/CALM
24-01-2025	25-01-2025	74	32	13	BDL		CLEAR/CALM
25-01-2025	26-01-2025	84	42	18	12		CLEAR/CALM
29-01-2025	30-01-2025	89	36	14	BDL		CLEAR/CALM
30-01-2025	31-01-2025	74	40	15	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

TUBEWELL NEAR SAKHARA VILLAGE WMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-2025	04-01-2025	89	33	16	11		CLEAR/CALM
04-01-2025	05-01-2025	78	29	13	BDL		CLEAR/CALM
10-01-2025	11-01-2025	82	38	16	BDL		CLEAR/CALM
11-01-2025	12-01-2025	68	31	15	BDL		CLEAR/CALM
17-01-2025	18-01-2025	73	40	15	BDL		CLEAR/CALM
18-01-2025	19-01-2025	86	38	18	12		CLEAR/CALM
24-01-2025	25-01-2025	74	32	15	BDL		CLEAR/CALM
25-01-2025	26-01-2025	66	34	13	BDL		CLEAR/CALM
29-01-2025	30-01-2025	81	43	18	BDL		CLEAR/CALM
30-01-2025	31-01-2025	72	40	16	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: WMOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-01-2025	7.73	40	36	BDL
17-01-2025	7.61	34	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WMOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	7.18	38	32	BDL
17-01-2025	7.62	30	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

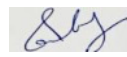
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

CHP: WMON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	66.7	65.5
JAN'25	26-01-2025	65.4	64.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI): WMON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	44.6	43.4
JAN'25	26-01-2025	45.0	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/JAN-25/20		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-01-25 TO 15-02-25	

SAM OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-01-2025	08-01-2025	5	5	2	6	10	CLEAR/CALM
21-01-2025	22-01-2025	277	187	61	19	BDL	CLEAR/CALM
		326	211	64	24	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

WORKSHOP ETP NOCM WNGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-01-2025	08-01-2025	5	5	2	6	10	CLEAR/CALM
21-01-2025	22-01-2025	313	204	63	23	12	CLEAR/CALM
		286	194	58	20	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

BELLORA REHABILITATION VILLAGE WNGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-01-2025	02-01-2025	5	2	6	10	CLEAR/CALM	
02-01-2025	03-01-2025	78	35	15	10	CLEAR/CALM	
08-01-2025	09-01-2025	67	32	13	BDL	CLEAR/CALM	
09-01-2025	10-01-2025	85	33	18	11	CLEAR/CALM	
13-01-2025	14-01-2025	92	40	17	BDL	CLEAR/CALM	
16-01-2025	17-01-2025	84	36	16	BDL	CLEAR/CALM	
22-01-2025	23-01-2025	78	37	14	BDL	CLEAR/CALM	
23-01-2025	24-01-2025	82	37	15	BDL	CLEAR/CALM	
27-01-2025	28-01-2025	73	36	16	10	CLEAR/CALM	
28-01-2025	29-01-2025	74	41	15	BDL	CLEAR/CALM	
		87	37	15	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

FILTER PLANT NEAR VIP GUEST HOUSE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-01-2025	02-01-2025	5	2	6	10	CLEAR/CALM	
02-01-2025	03-01-2025	76	34	14	BDL	CLEAR/CALM	
08-01-2025	09-01-2025	81	38	18	12	CLEAR/CALM	
09-01-2025	10-01-2025	87	40	17	11	CLEAR/CALM	
13-01-2025	14-01-2025	84	39	16	BDL	CLEAR/CALM	
16-01-2025	17-01-2025	78	29	17	BDL	CLEAR/CALM	
22-01-2025	23-01-2025	91	40	15	BDL	CLEAR/CALM	
23-01-2025	24-01-2025	79	35	14	BDL	CLEAR/CALM	
27-01-2025	28-01-2025	82	33	17	10	CLEAR/CALM	
28-01-2025	29-01-2025	74	30	15	BDL	CLEAR/CALM	
		79	34	14	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-01-2025	4.62	62	20	BDL
17-01-2025	3.35	34	16	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-01-2025	7.08	40	32	BDL
17-01-2025	6.79	42	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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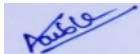
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

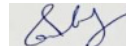
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

CHP: WNGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	65.8	64.5
JAN'25	26-01-2025	66.5	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WNGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	44.4	43.0
JAN'25	26-01-2025	44.7	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NILJAI DEEP OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/21	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

CIVIL OFFICE- NILJAI				WNOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-2025	08-01-2025	285	189	59	21	10	CLEAR/CALM
21-01-2025	22-01-2025	315	204	63	23	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

WORKSHOP ETP NOCM				WNOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-2025	08-01-2025	313	204	63	23	12	CLEAR/CALM
21-01-2025	22-01-2025	286	194	58	20	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

NILJAI COLONY			WNOA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-01-2025	04-01-2025	83	39	18	11	CLEAR/CALM
04-01-2025	05-01-2025	77	34	17	BDL	CLEAR/CALM
10-01-2025	11-01-2025	82	40	16	BDL	CLEAR/CALM
11-01-2025	12-01-2025	76	29	15	BDL	CLEAR/CALM
17-01-2025	18-01-2025	89	38	16	12	CLEAR/CALM
18-01-2025	19-01-2025	70	33	14	BDL	CLEAR/CALM
24-01-2025	25-01-2025	78	37	13	BDL	CLEAR/CALM
25-01-2025	26-01-2025	71	33	15	BDL	CLEAR/CALM
29-01-2025	30-01-2025	92	42	16	12	CLEAR/CALM
30-01-2025	31-01-2025	84	36	16	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

TARODA VILLAGE			WNOA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-01-2025	04-01-2025	82	33	14	12	CLEAR/CALM
04-01-2025	05-01-2025	75	39	13	BDL	CLEAR/CALM
10-01-2025	11-01-2025	89	35	15	BDL	CLEAR/CALM
11-01-2025	12-01-2025	79	40	18	11	CLEAR/CALM
17-01-2025	18-01-2025	83	37	15	BDL	CLEAR/CALM
18-01-2025	19-01-2025	76	34	16	BDL	CLEAR/CALM
24-01-2025	25-01-2025	83	34	13	BDL	CLEAR/CALM
25-01-2025	26-01-2025	69	31	16	10	CLEAR/CALM
29-01-2025	30-01-2025	72	37	15	BDL	CLEAR/CALM
30-01-2025	31-01-2025	85	42	18	12	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: WNOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-01-2025	6.78	60	28	BDL
17-01-2025	6.65	48	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(NILJAI-S)TREATED WATER: WNOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-01-2025	7.12	40	32	BDL
17-01-2025	7.11	46	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)T.WATER: WNOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
08-01-2025	62	10.8
17-01-2025	74	12
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

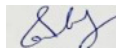
CHP-NILJAI: WNON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	67.2	65.4
JAN'25	26-01-2025	66.5	65.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP-NILJAI(S): WNON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	65.7	64.3
JAN'25	26-01-2025	65.6	64.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(NILJAI): WNON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	45.6	44.2
JAN'25	26-01-2025	44.7	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/JAN-25/23		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			LQR 47
					16-01-25 TO 15-02-25

MANAGER OFFICE WPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	334	214	67	24	12	CLEAR/CALM
20-01-2025	21-01-2025	318	202	64	22	14	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

NEAR MINE WPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	323	231	63	24	12	CLEAR/CALM
20-01-2025	21-01-2025	367	248	66	27	14	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

VIRUR VILLAGE WPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-2025	04-01-2025	68	32	15	BDL		CLEAR/CALM
04-01-2025	05-01-2025	74	41	18	11		CLEAR/CALM
10-01-2025	11-01-2025	82	35	16	BDL		CLEAR/CALM
11-01-2025	12-01-2025	84	38	17	12		CLEAR/CALM
17-01-2025	18-01-2025	90	37	15	BDL		CLEAR/CALM
18-01-2025	19-01-2025	77	35	15	BDL		CLEAR/CALM
24-01-2025	25-01-2025	69	33	13	BDL		CLEAR/CALM
25-01-2025	26-01-2025	81	35	17	10		CLEAR/CALM
29-01-2025	30-01-2025	76	37	16	BDL		CLEAR/CALM
30-01-2025	31-01-2025	85	41	14	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

GADEGAON VILLAGE WPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-2025	04-01-2025	82	33	15	BDL		CLEAR/CALM
04-01-2025	05-01-2025	91	34	18	10		CLEAR/CALM
10-01-2025	11-01-2025	84	42	14	BDL		CLEAR/CALM
11-01-2025	12-01-2025	74	39	16	BDL		CLEAR/CALM
17-01-2025	18-01-2025	71	38	17	11		CLEAR/CALM
18-01-2025	19-01-2025	86	37	16	BDL		CLEAR/CALM
24-01-2025	25-01-2025	66	35	15	BDL		CLEAR/CALM
25-01-2025	26-01-2025	72	40	13	BDL		CLEAR/CALM
29-01-2025	30-01-2025	83	34	18	12		CLEAR/CALM
30-01-2025	31-01-2025	77	40	14	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: WPOW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	7.87	34	36	BDL
17-01-2025	7.85	42	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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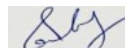
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

NEAR WORKSHOP: WPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	07-01-2025	55.2	54.2
JAN'25	26-01-2025	53.6	52.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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JANUARY 2025

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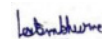
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/JAN-25/23		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47 16-01-25 TO 15-02-25	

PROJECT MANAGER OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-2025	07-01-2025	312	234	52	18	15	CLEAR/MODERATE BREEZE
20-01-2025	21-01-2025	325	248	55	20	16	CLEAR/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE/ CANTEN WNKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-2025	07-01-2025	271	175	45	15	12	CLEAR/MODERATE BREEZE
20-01-2025	21-01-2025	296	202	52	18	14	CLEAR/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

GHONSA VILLAGE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-01-2025	04-01-2025	71	21	9	BDL	CLEAR/LIGHT BREEZE	
04-01-2025	05-01-2025	66	18	8	BDL	CLEAR/CALM	
10-01-2025	11-01-2025	85	26	9	BDL	CLEAR/MODERATE BREEZE	
11-01-2025	12-01-2025	70	24	10	BDL	CLOUDY/MODERATE BREEZE	
17-01-2025	18-01-2025	76	29	10	BDL	CLEAR/LIGHT BREEZE	
18-01-2025	19-01-2025	63	20	9	BDL	CLEAR/CALM	
24-01-2025	25-01-2025	88	23	8	BDL	CLEAR/MODERATE BREEZE	
25-01-2025	26-01-2025	72	21	9	BDL	CLOUDY/MODERATE BREEZE	
29-01-2025	30-01-2025	81	27	10	BDL	CLEAR/MODERATE BREEZE	
30-01-2025	31-01-2025	77	22	9	BDL	CLOUDY/MODERATE BREEZE	
NAAQS, 2009		100	60	80	80		

GUEST HOUSE/ COLONY WNGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-01-2025	04-01-2025	84	28	10	BDL	CLEAR/LIGHT BREEZE	
04-01-2025	05-01-2025	80	25	10	BDL	CLEAR/CALM	
10-01-2025	11-01-2025	77	19	9	BDL	CLEAR/MODERATE BREEZE	
11-01-2025	12-01-2025	86	23	10	BDL	CLOUDY/MODERATE BREEZE	
17-01-2025	18-01-2025	72	24	9	BDL	CLEAR/LIGHT BREEZE	
18-01-2025	19-01-2025	70	26	9	BDL	CLEAR/CALM	
24-01-2025	25-01-2025	92	30	10	BDL	CLEAR/MODERATE BREEZE	
25-01-2025	26-01-2025	88	27	9	BDL	CLOUDY/MODERATE BREEZE	
29-01-2025	30-01-2025	79	24	8	BDL	CLEAR/MODERATE BREEZE	
30-01-2025	31-01-2025	87	31	10	BDL	CLOUDY/MODERATE BREEZE	
NAAQS, 2009		100	60	80	80		

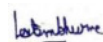


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C.:2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	8.21	20	40	BDL
28-01-2025	8.16	26	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

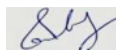
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		WNGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	11-01-2025	55.4	53.1
JAN'25	28-01-2025	55.6	53.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (GHONSA)		WNGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	11-01-2025	44.2	42.2
JAN'25	28-01-2025	43.7	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

JUNAD OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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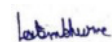
TEST REPORT NO.	RIN/TR/JAN-25/24	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

SAM OFFICE WNJOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-2025	08-01-2025	264	172	42	15	11	CLOUDY/MODERATE BREEZE
21-01-2025	22-01-2025	288	192	50	17	13	CLOUDY/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

BORGAEON VILLAGE WNJOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-2025	04-01-2025	76	24	8	BDL		CLEAR/LIGHT BREEZE
04-01-2025	05-01-2025	70	19	7	BDL		CLEAR/CALM
10-01-2025	11-01-2025	86	28	9	BDL		CLEAR/MODERATE BREEZE
11-01-2025	12-01-2025	73	21	8	BDL		CLOUDY/MODERATE BREEZE
17-01-2025	18-01-2025	88	26	9	BDL		CLEAR/LIGHT BREEZE
18-01-2025	19-01-2025	79	22	7	BDL		CLEAR/CALM
24-01-2025	25-01-2025	92	30	10	BDL		CLEAR/MODERATE BREEZE
25-01-2025	26-01-2025	80	27	9	BDL		CLOUDY/MODERATE BREEZE
29-01-2025	30-01-2025	91	31	10	BDL		CLEAR/MODERATE BREEZE
30-01-2025	31-01-2025	77	24	7	BDL		CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80		

BHALAR TOWNSHIP WNJOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-2025	04-01-2025	82	28	10	BDL		CLEAR/LIGHT BREEZE
04-01-2025	05-01-2025	77	22	9	BDL		CLEAR/CALM
10-01-2025	11-01-2025	93	32	11	BDL		CLEAR/MODERATE BREEZE
11-01-2025	12-01-2025	71	26	9	BDL		CLOUDY/MODERATE BREEZE
17-01-2025	18-01-2025	82	29	10	BDL		CLEAR/LIGHT BREEZE
18-01-2025	19-01-2025	69	20	8	BDL		CLEAR/CALM
24-01-2025	25-01-2025	91	34	12	BDL		CLEAR/MODERATE BREEZE
25-01-2025	26-01-2025	82	26	11	BDL		CLOUDY/MODERATE BREEZE
29-01-2025	30-01-2025	74	21	10	BDL		CLEAR/MODERATE BREEZE
30-01-2025	31-01-2025	89	28	11	BDL		CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80		

UKNI VILLAGE WNJOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-01-2025	06-01-2025	74	23	9	BDL		CLEAR/MODERATE BREEZE
19-01-2025	20-01-2025	88	29	9	BDL		CLEAR/MODERATE BREEZE
NAAQS, 2009		100	60	80	80		

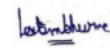


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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		
SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MINE WATER DISCHARGE: WNJOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	8.02	32	48	BDL
29-01-2025	7.63	38	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNJOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	8.10	24	36	BDL
29-01-2025	7.99	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: WNJON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	53.4	51.9
JAN'25	26-01-2025	54.2	51.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNJON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	43.5	41.2
JAN'25	26-01-2025	42.6	40.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

KOLARPIMPRI OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/25	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

SUBSTATION KOLARPIMPRI WNKO A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	312	209	53	16	12	CLEAR/LIGHT BREEZE
26-01-2025	27-01-2025	284	193	47	15	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

REST SHELTER WNKO A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	277	182	46	15	10	CLEAR/LIGHT BREEZE
26-01-2025	27-01-2025	251	162	41	13	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

PIMPRI VILLAGE WNKO A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	72	21	9	BDL	CLEAR/CALM	
02-01-2025	03-01-2025	85	26	10	BDL	CLEAR/CALM	
08-01-2025	09-01-2025	93	30	10	BDL	CLEAR/CALM	
09-01-2025	10-01-2025	66	18	7	BDL	CLEAR/CALM	
13-01-2025	14-01-2025	75	24	10	BDL	CLEAR/CALM	
16-01-2025	17-01-2025	69	20	7	BDL	CLEAR/CALM	
22-01-2025	23-01-2025	72	27	8	BDL	CLEAR/CALM	
23-01-2025	24-01-2025	86	30	9	BDL	CLEAR/CALM	
27-01-2025	28-01-2025	62	20	7	BDL	CLEAR/CALM	
28-01-2025	29-01-2025	77	25	9	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

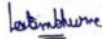
WATER FILTER PLANT PRAGATI NAGAR WNKO A4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	82	28	10	BDL	CLEAR/CALM	
02-01-2025	03-01-2025	72	21	9	BDL	CLEAR/CALM	
08-01-2025	09-01-2025	89	31	10	BDL	CLEAR/CALM	
09-01-2025	10-01-2025	69	20	7	BDL	CLEAR/CALM	
13-01-2025	14-01-2025	94	35	11	BDL	CLEAR/CALM	
16-01-2025	17-01-2025	88	27	10	BDL	CLEAR/CALM	
22-01-2025	23-01-2025	73	22	9	BDL	CLEAR/CALM	
23-01-2025	24-01-2025	79	26	9	BDL	CLEAR/CALM	
27-01-2025	28-01-2025	66	19	8	BDL	CLEAR/CALM	
28-01-2025	29-01-2025	82	27	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: WNKOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-01-2025	8.02	28	48	BDL
22-01-2025	8.07	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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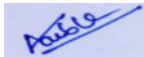
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

CHP: WNKON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	69.2	67.4
JAN'25	26-01-2025	68.1	66.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	44.1	41.7
JAN'25	26-01-2025	43.2	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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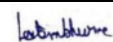
TEST REPORT NO.	RIN/TR/JAN-25/27	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

		SAM OFFICE		WNPOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	318	220	56	18	15	CLEAR/LIGHT BREEZE
26-01-2025	27-01-2025	290	197	47	15	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

		WORKSHOP WNPOA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	302	197	55	18	15	CLEAR/LIGHT BREEZE
26-01-2025	27-01-2025	271	173	41	15	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

WATER FILTER PLANT PRAGATI NAGAR		WNKOA4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-01-2025	02-01-2025	82	28	10	BDL	CLEAR/CALM
02-01-2025	03-01-2025	72	21	9	BDL	CLEAR/CALM
08-01-2025	09-01-2025	89	31	10	BDL	CLEAR/CALM
09-01-2025	10-01-2025	69	20	7	BDL	CLEAR/CALM
13-01-2025	14-01-2025	94	35	11	BDL	CLEAR/CALM
16-01-2025	17-01-2025	88	27	10	BDL	CLEAR/CALM
22-01-2025	23-01-2025	73	22	9	BDL	CLEAR/CALM
23-01-2025	24-01-2025	79	26	9	BDL	CLEAR/CALM
27-01-2025	28-01-2025	66	19	8	BDL	CLEAR/CALM
28-01-2025	29-01-2025	82	27	10	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

BORGAON VILLAGE		WNJOA2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-01-2025	04-01-2025	76	24	8	BDL	CLEAR/LIGHT BREEZE
04-01-2025	05-01-2025	70	19	7	BDL	CLEAR/CALM
10-01-2025	11-01-2025	86	28	9	BDL	CLEAR/MODERATE BREEZE
11-01-2025	12-01-2025	73	21	8	BDL	CLOUDY/MODERATE BREEZE
17-01-2025	18-01-2025	88	26	9	BDL	CLEAR/LIGHT BREEZE
18-01-2025	19-01-2025	79	22	7	BDL	CLEAR/CALM
24-01-2025	25-01-2025	92	30	10	BDL	CLEAR/MODERATE BREEZE
25-01-2025	26-01-2025	80	27	9	BDL	CLOUDY/MODERATE BREEZE
29-01-2025	30-01-2025	91	31	10	BDL	CLEAR/MODERATE BREEZE
30-01-2025	31-01-2025	77	24	7	BDL	CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	



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NOISE LEVEL MONITORING DATA

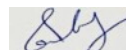
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

CHP: WNPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	58.4	56.8
JAN'25	26-01-2025	58.1	56.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	44.1	41.7
JAN'25	26-01-2025	43.2	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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 RI-IV, NAGPUR	Test Report	 TC-7182
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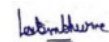
TEST REPORT NO.	RIN/TR/JAN-25/28	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

NEAR BANDEWADA INCLINE WNRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-2025	07-01-2025	251	159	49	12	BDL	CLEAR/MODERATE BREEZE
20-01-2025	21-01-2025	276	183	52	17	14	CLEAR/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE WNRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-2025	07-01-2025	302	210	57	18	14	CLEAR/MODERATE BREEZE
20-01-2025	21-01-2025	266	181	48	13	10	CLEAR/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

PIT OFFICE WNRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-01-2025	08-01-2025	309	223	58	18	15	CLOUDY/MODERATE BREEZE
21-01-2025	22-01-2025	279	193	47	14	10	CLOUDY/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

HUTMENT WNRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-01-2025	06-01-2025	76	24	10	BDL		CLEAR/MODERATE BREEZE
19-01-2025	20-01-2025	82	30	12	10		CLEAR/MODERATE BREEZE
NAAQS, 2009		100	60	80	80		

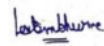


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: WNRUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-01-2025	8.51	28	44	BDL
28-01-2025	8.10	34	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

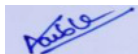
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

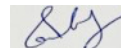
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	66.9	64.8
JAN'25	28-01-2025	68.5	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	43.1	41.0
JAN'25	28-01-2025	43.6	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

UKNI DEEP OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/JAN-25/29		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-01-25 TO 15-02-25	

WORKSHOP PREMISES WNUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-2025	08-01-2025	332	229	57	18	15	CLOUDY/MODERATE BREEZE
21-01-2025	22-01-2025	290	197	50	15	11	CLOUDY/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

BHALAR TOWNSHIP WNUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-2025	04-01-2025	82	28	10	BDL		CLEAR/LIGHT BREEZE
04-01-2025	05-01-2025	77	22	9	BDL		CLEAR/CALM
10-01-2025	11-01-2025	93	32	11	BDL		CLEAR/MODERATE BREEZE
11-01-2025	12-01-2025	71	26	9	BDL		CLOUDY/MODERATE BREEZE
17-01-2025	18-01-2025	82	29	10	BDL		CLEAR/LIGHT BREEZE
18-01-2025	19-01-2025	69	20	8	BDL		CLEAR/CALM
24-01-2025	25-01-2025	91	34	12	BDL		CLEAR/MODERATE BREEZE
25-01-2025	26-01-2025	82	26	11	BDL		CLOUDY/MODERATE BREEZE
29-01-2025	30-01-2025	74	21	10	BDL		CLEAR/MODERATE BREEZE
30-01-2025	31-01-2025	89	28	11	BDL		CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80		

UKNI VILLAGE WNUOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-01-2025	06-01-2025	74	23	9	BDL		CLEAR/MODERATE BREEZE
19-01-2025	20-01-2025	88	29	9	BDL		CLEAR/MODERATE BREEZE
NAAQS, 2009		100	60	80	80		

PIMPRI VILLAGE WNKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-01-2025	02-01-2025	72	21	9	BDL		CLEAR/CALM
02-01-2025	03-01-2025	85	26	10	BDL		CLEAR/CALM
08-01-2025	09-01-2025	93	30	10	BDL		CLEAR/CALM
09-01-2025	10-01-2025	66	18	7	BDL		CLEAR/CALM
13-01-2025	14-01-2025	75	24	10	BDL		CLEAR/CALM
16-01-2025	17-01-2025	69	20	7	BDL		CLEAR/CALM
22-01-2025	23-01-2025	72	27	8	BDL		CLEAR/CALM
23-01-2025	24-01-2025	86	30	9	BDL		CLEAR/CALM
27-01-2025	28-01-2025	62	20	7	BDL		CLEAR/CALM
28-01-2025	29-01-2025	77	25	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



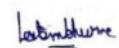
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-01-25 TO 15-02-25

MINE WATER DISCHARGE: WNUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	8.20	36	52	BDL
29-01-2025	7.59	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	8.28	30	40	BDL
29-01-2025	7.88	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP DISCHARGE: WNUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
12-01-2025	24	12
29-01-2025	28	14
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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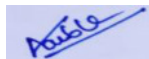
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

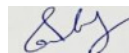
SAMPLE DESCRIPTION	NOISE SAMPLE	
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015	
SAMPLING METHOD	LSOP 6	

CHP: WNUON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	68.7	66.6
JAN'25	26-01-2025	69.1	67.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNUON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	43.5	41.2
JAN'25	26-01-2025	42.6	40.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

WANI RAILWAY SIDING

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/30	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

NEAR RAILWAY SIDING WNRS A1		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-01-2025	04-01-2025	245	162	50	15	12	CLEAR/LIGHT BREEZE
04-01-2025	05-01-2025	224	137	45	12	10	CLEAR/CALM
10-01-2025	11-01-2025	268	175	53	16	13	CLEAR/MODERATE BREEZE
11-01-2025	12-01-2025	230	146	38	13	10	CLOUDY/MODERATE BREEZE
17-01-2025	18-01-2025	277	193	46	15	12	CLEAR/LIGHT BREEZE
18-01-2025	19-01-2025	261	172	37	14	11	CLEAR/CALM
24-01-2025	25-01-2025	290	209	52	19	16	CLEAR/MODERATE BREEZE
25-01-2025	26-01-2025	228	134	35	14	11	CLOUDY/MODERATE BREEZE
29-01-2025	30-01-2025	253	166	47	17	14	CLEAR/MODERATE BREEZE
30-01-2025	31-01-2025	221	140	36	13	10	CLOUDY/MODERATE BREEZE
TLV		600	300	-	120	120	

VITTALWADI WNRS A3		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-01-2025	04-01-2025	80	31	9	BDL	CLEAR/LIGHT BREEZE
04-01-2025	05-01-2025	74	29	8	BDL	CLEAR/CALM
10-01-2025	11-01-2025	93	35	12	BDL	CLEAR/MODERATE BREEZE
11-01-2025	12-01-2025	69	33	8	BDL	CLOUDY/MODERATE BREEZE
17-01-2025	18-01-2025	73	30	10	BDL	CLEAR/LIGHT BREEZE
18-01-2025	19-01-2025	81	42	9	BDL	CLEAR/CALM
24-01-2025	25-01-2025	88	32	10	BDL	CLEAR/MODERATE BREEZE
25-01-2025	26-01-2025	68	29	8	BDL	CLOUDY/MODERATE BREEZE
29-01-2025	30-01-2025	70	32	10	BDL	CLEAR/MODERATE BREEZE
30-01-2025	31-01-2025	65	20	7	BDL	CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

PRAGATI NAGAR WNRS A4		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-01-2025	04-01-2025	95	36	10	BDL	CLEAR/LIGHT BREEZE
04-01-2025	05-01-2025	82	30	11	BDL	CLEAR/CALM
10-01-2025	11-01-2025	97	34	12	BDL	CLEAR/MODERATE BREEZE
11-01-2025	12-01-2025	62	26	7	BDL	CLOUDY/MODERATE BREEZE
17-01-2025	18-01-2025	70	29	8	BDL	CLEAR/LIGHT BREEZE
18-01-2025	19-01-2025	76	31	9	BDL	CLEAR/CALM
24-01-2025	25-01-2025	81	34	9	BDL	CLEAR/MODERATE BREEZE
25-01-2025	26-01-2025	73	28	10	BDL	CLOUDY/MODERATE BREEZE
29-01-2025	30-01-2025	88	32	11	BDL	CLEAR/MODERATE BREEZE
30-01-2025	31-01-2025	69	19	8	BDL	CLOUDY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

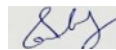
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

Residential Area Near Railway siding		WNRSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	42.6	40.3
JAN'25	28-01-2025	43.6	40.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NEAR INCHARGE OFFICE:		WNRSN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	64.5	61.5
JAN'25	28-01-2025	59.7	58.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

AMBARA OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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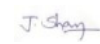
TEST REPORT NO.	RIN/TR/JAN-25/67	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MANAGER OFFICE KAOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
07-01-2025	08-01-2025	273	168	51	13	11
28-01-2025	29-01-2025	286	179	53	15	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
		ENVIRONMENT CONDITIONS (Sky/Wind)				

PIT OFFICE- MOHAN KAU2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
07-01-2025	08-01-2025	288	184	56	16	14
28-01-2025	29-01-2025	294	188	58	18	15
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
		ENVIRONMENT CONDITIONS (Sky/Wind)				

COLONY HEALTH CENTER KMUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-01-2025	03-01-2025	78	29	8	BDL	Cloudy sky / Calm
03-01-2025	04-01-2025	81	31	9	BDL	Cloudy sky / Calm
08-01-2025	09-01-2025	83	33	9	BDL	Cloudy sky / Calm
09-01-2025	10-01-2025	80	28	8	BDL	Cloudy sky / Calm
18-01-2025	19-01-2025	85	34	9	BDL	Clear sky / Light breeze
19-01-2025	20-01-2025	84	32	10	BDL	Clear sky / Light breeze
26-01-2025	27-01-2025	88	33	11	10	Clear sky / Light breeze
27-01-2025	28-01-2025	91	35	12	11	Clear sky / Light breeze
29-01-2025	30-01-2025	89	31	9	BDL	Clear sky / Light breeze
30-01-2025	31-01-2025	92	32	13	11	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

AMBARA VILLAGE KMUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-01-2025	03-01-2025	81	30	9	BDL	Cloudy sky / Calm
03-01-2025	04-01-2025	83	29	8	BDL	Cloudy sky / Calm
08-01-2025	09-01-2025	79	27	7	BDL	Cloudy sky / Calm
09-01-2025	10-01-2025	84	31	9	BDL	Cloudy sky / Calm
18-01-2025	19-01-2025	86	32	9	10	Clear sky / Light breeze
19-01-2025	20-01-2025	88	34	8	BDL	Clear sky / Light breeze
26-01-2025	27-01-2025	90	36	10	BDL	Clear sky / Light breeze
27-01-2025	28-01-2025	92	35	11	10	Clear sky / Light breeze
29-01-2025	30-01-2025	93	32	13	11	Clear sky / Light breeze
30-01-2025	31-01-2025	91	30	10	BDL	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: KAON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	09-01-2025	46.8	45.2
JAN'25	26-01-2025	47.1	46.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN/MAORI): KMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	09-01-2025	42.4	41.6
JAN'25	26-01-2025	43.2	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

AREA WORKSHOP

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

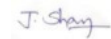
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/69	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

AREA WORKSHOP KAWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-01-2025	06-01-2025	269	162	46	13	11	Cloudy sky / Calm
21-01-2025	22-01-2025	277	174	54	15	12	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



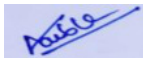
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

WORK SHOP PREMISES:		KAWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	09-01-2025	46.1	45.2
JAN'25	26-01-2025	45.2	44.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

GHORAWARI OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/JAN-25/70		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-01-25 TO 15-02-25	

MANAGER OFFICE-GHORAWARI OC KGOA1						
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-01-2025	07-01-2025	270	165	53	15	13
28-01-2025	29-01-2025	258	146	46	13	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

MANAGER OFFICE- JHARNA UG KJUA1						
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-01-2025	07-01-2025	268	159	49	13	11
28-01-2025	29-01-2025	280	171	52	16	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

SAM-OFFICE GHORAWARI KJUA2						
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-01-2025	07-01-2025	278	160	50	14	12
28-01-2025	29-01-2025	259	155	42	12	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

COLONY HEALTH CENTER JHARNA KJUA3						
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-01-2025	03-01-2025	80	29	8	BDL	Cloudy sky / Calm
03-01-2025	04-01-2025	82	31	9	BDL	Cloudy sky / Calm
08-01-2025	09-01-2025	85	33	10	BDL	Cloudy sky / Calm
09-01-2025	10-01-2025	88	30	8	BDL	Cloudy sky / Calm
18-01-2025	19-01-2025	84	28	9	BDL	Clear sky / Light breeze
19-01-2025	20-01-2025	90	32	11	10	Clear sky / Light breeze
26-01-2025	27-01-2025	92	33	12	11	Clear sky / Light breeze
27-01-2025	28-01-2025	94	35	14	12	Clear sky / Light breeze
29-01-2025	30-01-2025	93	30	12	BDL	Clear sky / Light breeze
30-01-2025	31-01-2025	90	32	10	BDL	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

PANARA VILLAGE KJUA4						
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-01-2025	03-01-2025	85	29	8	BDL	Cloudy sky / Calm
03-01-2025	04-01-2025	80	27	7	BDL	Cloudy sky / Calm
08-01-2025	09-01-2025	83	30	8	BDL	Cloudy sky / Calm
09-01-2025	10-01-2025	81	28	7	BDL	Cloudy sky / Calm
18-01-2025	19-01-2025	88	31	9	BDL	Clear sky / Light breeze
19-01-2025	20-01-2025	90	32	10	BDL	Clear sky / Light breeze
26-01-2025	27-01-2025	89	30	9	BDL	Clear sky / Light breeze
27-01-2025	28-01-2025	87	29	8	BDL	Clear sky / Light breeze

29-01-2025	30-01-2025	92	34	11	BDL	Clear sky / Light breeze
30-01-2025	31-01-2025	93	33	12	10	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-01-25 TO 15-02-25

MINE WATER DISCHARGE: KGOW		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-01-2025	8.2	25	32	BDL
31-01-2025	8.17	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: KJUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	09-01-2025	71.2	68.3
JAN'25	26-01-2025	71.5	69.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE: KGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	09-01-2025	46.6	45.0
JAN'25	26-01-2025	46.9	45.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(JHARNA): KGON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	09-01-2025	43.1	42.2
JAN'25	26-01-2025	42.5	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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MOHAN/ MAORI UG

KANHAN AREA

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JANUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/72	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25	

SAM OFFICE KMUA1						
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
14-01-2025	15-01-2025	278	167	50	14	12
28-01-2025	29-01-2025	285	172	52	16	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						

PIT OFFICE MOHAN KMUA2						
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
14-01-2025	15-01-2025	280	170	54	13	11
28-01-2025	29-01-2025	288	179	56	15	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						

COLONY HEALTH CENTER KMUA3						
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-01-2025	03-01-2025	78	29	8	BDL	Cloudysky / Calm
03-01-2025	04-01-2025	81	31	9	BDL	Cloudysky / Calm
08-01-2025	09-01-2025	83	33	9	BDL	Cloudysky / Calm
09-01-2025	10-01-2025	80	28	8	BDL	Cloudysky / Calm
18-01-2025	19-01-2025	85	34	9	BDL	Clear sky / Light breeze
19-01-2025	20-01-2025	84	32	10	BDL	Clear sky / Light breeze
26-01-2025	27-01-2025	88	33	11	10	Clear sky / Light breeze
27-01-2025	28-01-2025	91	35	12	11	Clear sky / Light breeze
29-01-2025	30-01-2025	89	31	9	BDL	Clear sky / Light breeze
30-01-2025	31-01-2025	92	32	13	11	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

AMBARA VILLAGE KMUA4						
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-01-2025	03-01-2025	81	30	9	BDL	Cloudysky / Calm
03-01-2025	04-01-2025	83	29	8	BDL	Cloudysky / Calm
08-01-2025	09-01-2025	79	27	7	BDL	Cloudysky / Calm
09-01-2025	10-01-2025	84	31	9	BDL	Cloudysky / Calm
18-01-2025	19-01-2025	86	32	9	10	Clear sky / Light breeze
19-01-2025	20-01-2025	88	34	8	BDL	Clear sky / Light breeze
26-01-2025	27-01-2025	90	36	10	BDL	Clear sky / Light breeze
27-01-2025	28-01-2025	92	35	11	10	Clear sky / Light breeze
29-01-2025	30-01-2025	93	32	13	11	Clear sky / Light breeze
30-01-2025	31-01-2025	91	30	10	BDL	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	


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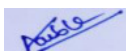
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	09-01-2025	71.4	68.8
JAN'25	26-01-2025	70.4	68.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN MAORI):		KMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	09-01-2025	42.4	41.6
JAN'25	26-01-2025	43.2	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NANDAN UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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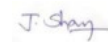
TEST REPORT NO.	RIN/TR/JAN-25/73	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25	

SAM OFFICE- NANDAN I UG KNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	279	172	57	15	13	Cloudysky / Calm
21-01-2025	22-01-2025	283	180	59	17	15	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE NANADAN II UG KNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	168	169	52	13	11	Cloudysky / Calm
21-01-2025	22-01-2025	275	176	55	14	12	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HEALTH CENTER-NANADAN UG KNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-01-2025	06-01-2025	89	33	10	BDL	Cloudysky / Calm	
21-01-2025	22-01-2025	93	35	12	11	Clear sky / Light breeze	
NAAQS, 2009		100	60	80	80		

NANDAN WATER FILTER PLANT KNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-01-2025	06-01-2025	90	34	9	BDL	Cloudysky / Calm	
21-01-2025	22-01-2025	94	36	11	10	Clear sky / Light breeze	
NAAQS, 2009		100	60	80	80		

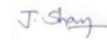


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: KNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-01-2025	8.14	33	44	BDL
21-01-2025	8.18	27	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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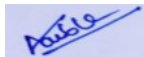
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE UG II: KNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	09-01-2025	59.9	58.4
JAN'25	26-01-2025	60.1	59.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	09-01-2025	43.4	42.1
JAN'25	26-01-2025	42.6	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

SHARDA UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/74a	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

INCLINE SHARDA KSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-01-2025	05-01-2025	296	177	58	17	13	Cloudy sky / Calm
20-01-2025	21-01-2025	289	168	55	15	12	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

UMARIA FADALI VILLAGE KSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-01-2025	05-01-2025	88	32	10	BDL	Cloudy sky / Calm	
20-01-2025	21-01-2025	92	35	11	10	Clear sky / Light breeze	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		100	60	80	80		

TATARWADA VILLAGE KSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-01-2025	05-01-2025	90	30	10	BDL	Cloudy sky / Calm	
20-01-2025	21-01-2025	87	29	9	BDL	Clear sky / Light breeze	
NAAQS, 2009		100	60	80	80		

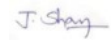
JAMUNBADA DARBAR VILLAGE KSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-01-2025	05-01-2025	87	31	10	BDL	Cloudy sky / Calm	
20-01-2025	21-01-2025	91	33	12	11	Clear sky / Light breeze	
NAAQS, 2009		100	60	80	80		

STORE KSUA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-01-2025	05-01-2025	265	152	44	13	11	Cloudy sky / Calm
20-01-2025	21-01-2025	280	171	50	15	12	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report	 TC-7102
SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: KSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-01-2025	8.09	29	36	BDL
20-01-2025	8.23	27	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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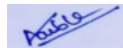
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

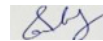
NEAR PIT OFFICE		KSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	09-01-2025	48.2	47.2
JAN'25	26-01-2025	49.3	48.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

UMARIA FADALI VILLAGE		KSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	09-01-2025	42.8	41.0
JAN'25	26-01-2025	43.2	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

TATARWADA VILLAGE		KSUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	09-01-2025	42.6	41.2
JAN'25	26-01-2025	43.7	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/74	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

WORKSHOP KTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-01-2025	14-01-2025	276	169	49	13	11	Cloudy sky / Calm
26-01-2025	27-01-2025	292	183	55	16	13	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

LAMP ROOM KTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-01-2025	14-01-2025	269	156	44	12	10	Cloudy sky / Calm
26-01-2025	27-01-2025	285	173	50	15	12	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY NEAR HEALTH CENTER KTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
13-01-2025	14-01-2025	87	32	9	BDL	Cloudy sky / Calm	
26-01-2025	27-01-2025	91	35	11	BDL	Clear sky / Light breeze	
NAAQS, 2009		100	60	80	80		

JET HOSTEL KTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
13-01-2025	14-01-2025	85	28	8	BDL	Cloudy sky / Calm	
26-01-2025	27-01-2025	89	30	10	BDL	Clear sky / Light breeze	
NAAQS, 2009		100	60	80	80		

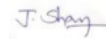


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: KTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-01-2025	8.14	29	36	BDL
26-01-2025	8.2	33	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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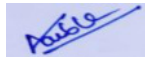
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

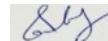
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		KTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	09-01-2025	70.6	69.2
JAN'25	26-01-2025	71.1	69.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(TANDSI):		KTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	09-01-2025	43.8	41.9
JAN'25	26-01-2025	42.9	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

BARKUHI OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

Environment Laboratory
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CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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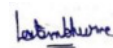
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/JAN-25/54		DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-01-25 TO 15-02-25

MANAGER OFFICE PBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-01-2025	09-01-2025	275	189	46	16	12	CLEAR/CALM
22-01-2025	23-01-2025	264	172	38	13	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE PBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-01-2025	10-01-2025	259	163	40	14	12	CLEAR/CALM
22-01-2025	23-01-2025	271	182	49	16	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CHANDAMETA WORKSHOP PCWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-01-2025	10-01-2025	228	135	35	12	10	CLEAR/CALM
22-01-2025	23-01-2025	247	155	43	15	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CENTRAL SCHOOL PBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-01-2025	09-01-2025	90	29	10	BDL	CLEAR/CALM	
21-01-2025	22-01-2025	79	19	9	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

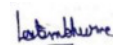


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

ETP DISCHARGE: PBOW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-01-2025	7.62	24	36	BDL
21-01-2025	8.09	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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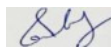
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

NEAR BARKUI HOSPITAL: PBON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	46.5	43.1
JAN'25	28-01-2025	45.1	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

BG SIDING

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

Environment Laboratory
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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/59a	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MANAGER OFFICE		PBGSA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-01-2025	14-01-2025	281	193	51	16	13	CLEAR/CALM
22-01-2025	23-01-2025	302	213	59	19	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

CHECK POST		PBGSA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14-01-2025	15-01-2025	319	220	48	18	15	CLEAR/CALM
27-01-2025	28-01-2025	335	241	55	22	17	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

GUEST HOUSE PARASIA		PMUA3					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-01-2025	03-01-2025	92	30	11	BDL		CLEAR/CALM
28-01-2025	29-01-2025	81	27	10	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY		PMUA4					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-01-2025	03-01-2025	87	29	10	BDL		CLEAR/CALM
27-01-2025	28-01-2025	71	20	8	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

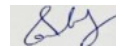
MANAGER OFFICE		PBGSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	14-01-2025	46.9	44.7
JAN'25	28-01-2025	48.1	45.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SUBSTATION		PBGSN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	14-01-2025	46.1	44.9
JAN'25	28-01-2025	45.8	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

COLONY GUEST HOUSE PARASIA		PMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	14-01-2025	44.3	42.4
JAN'25	28-01-2025	43.9	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

CHANDAMETA WORKSHOP

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/55	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25	

CHANDAMETA WORKSHOP				PCWA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-01-2025	10-01-2025	228	135	35	12	10	CLEAR/CALM
22-01-2025	23-01-2025	247	155	43	15	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

ETP DISCHARGE: PCWW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-01-2025	7.72	26	40	BDL
21-01-2025	8.05	20	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

NEAR CHANDAMETA WORKSHOP: PCWN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
JAN'25	14-01-2025	44.4	42.1
JAN'25	28-01-2025	45.5	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

CHINDA OC

PENCH AREA

WESTERN COALFIELDS LTD.

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JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/56	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

SAM OFFICE PCOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	253	167	41	15	12	CLEAR/CALM
21-01-2025	22-01-2025	296	199	52	17	14	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

CHINDA OC - SITE PCOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	277	182	41	14	11	CLEAR/CALM
21-01-2025	22-01-2025	301	213	58	18	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-2025	04-01-2025	70	19	10	BDL	CLEAR/CALM	
04-01-2025	05-01-2025	96	32	11	BDL	CLEAR/CALM	
10-01-2025	11-01-2025	85	28	9	BDL	CLEAR/CALM	
11-01-2025	12-01-2025	73	24	8	BDL	CLEAR/CALM	
17-01-2025	18-01-2025	68	20	8	BDL	CLEAR/CALM	
18-01-2025	19-01-2025	84	26	10	BDL	CLEAR/CALM	
24-01-2025	25-01-2025	90	30	10	BDL	CLEAR/CALM	
25-01-2025	26-01-2025	74	21	8	BDL	CLEAR/CALM	
29-01-2025	30-01-2025	82	25	9	BDL	CLEAR/CALM	
30-01-2025	31-01-2025	87	27	9	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

CHINDA COLONY PNSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-2025	04-01-2025	81	32	9	BDL	CLEAR/CALM	
04-01-2025	05-01-2025	68	19	7	BDL	CLEAR/CALM	
10-01-2025	11-01-2025	94	30	10	BDL	CLEAR/CALM	
11-01-2025	12-01-2025	66	21	8	BDL	CLEAR/CALM	
17-01-2025	18-01-2025	79	25	8	BDL	CLEAR/CALM	
18-01-2025	19-01-2025	82	29	10	BDL	CLEAR/CALM	
24-01-2025	25-01-2025	64	20	8	BDL	CLEAR/CALM	
25-01-2025	26-01-2025	89	34	10	BDL	CLEAR/CALM	
29-01-2025	30-01-2025	92	36	11	BDL	CLEAR/CALM	

30-01-2025	31-01-2025	80	30	10	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MINE WATER DISCHARGE: PCOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-01-2025	8.17	20	32	BDL
21-01-2025	7.82	26	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

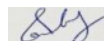
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PCON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	46.3	44.2
JAN'25	28-01-2025	47.7	45.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	43.4	42.1
JAN'25	28-01-2025	44.1	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

DHANKASA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

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NABL Accredited vide Cert. No. TC-7102
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/66a	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25	

CHARUN KHAPA PDU A1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-01-2025	06-01-2025	79	25	9	BDL	CLEAR/CALM
20-01-2025	21-01-2025	86	30	10	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

BANKI VILLAGE PDU A2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-01-2025	06-01-2025	89	28	9	BDL	CLEAR/CALM
20-01-2025	21-01-2025	91	32	10	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

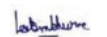
MANAGER OFFICE				PDU A3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-01-2025	06-01-2025	254	166	43	14	11	CLEAR/CALM
20-01-2025	21-01-2025	289	192	50	16	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: PDUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-01-2025	7.60	24	40	BDL
20-01-2025	7.93	30	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

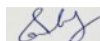
BHUMKADHANA VILLAGE		PDUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	14-01-2025	44.6	42.2
JAN'25	28-01-2025	43.7	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

MANAGER OFFICE		PDUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	14-01-2025	45.4	43.1
JAN'25	28-01-2025	46.4	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SUBSTATION		PDUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	14-01-2025	44.6	42.2
JAN'25	28-01-2025	45.2	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

EDC SIDING

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/59b	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MANAGER OFFICE		PEDCA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-01-2025	14-01-2025	288	172	42	14	11	CLEAR/CALM
27-01-2025	28-01-2025	314	210	52	18	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CHECK POST		PEDCA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14-01-2025	15-01-2025	299	182	51	16	12	CLEAR/CALM
27-01-2025	28-01-2025	352	243	59	24	19	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA		PMUA3					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-01-2025	03-01-2025	92	30	11	BDL		CLEAR/CALM
28-01-2025	29-01-2025	81	27	10	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY		PMUA4					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-01-2025	03-01-2025	87	29	10	BDL		CLEAR/CALM
27-01-2025	28-01-2025	71	20	8	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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NOISE LEVEL MONITORING DATA

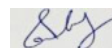
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE		PEDCN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	14-01-2025	47.1	45.3
JAN'25	28-01-2025	46.6	44.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY GUEST HOUSE PARASIA		PMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	14-01-2025	44.3	42.4
JAN'25	28-01-2025	43.9	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

JAMUNIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/58	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MANAGER OFFICE PJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	254	162	45	15	11	CLEAR/CALM
20-01-2025	21-01-2025	287	199	49	18	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SUBSTATION PJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
20-01-2025	21-01-2025	227	138	38	12	10	CLEAR/CALM
20-01-2025	21-01-2025	251	166	48	15	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

JAMUNIA VILLAGE PJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-01-2025	06-01-2025	66	20	8	BDL	CLEAR/CALM	
20-01-2025	21-01-2025	72	27	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-01-2025	04-01-2025	66	19	8	BDL	CLEAR/CALM	
04-01-2025	05-01-2025	75	22	9	BDL	CLEAR/CALM	
10-01-2025	11-01-2025	82	27	10	BDL	CLEAR/CALM	
11-01-2025	12-01-2025	69	20	9	BDL	CLEAR/CALM	
17-01-2025	18-01-2025	88	29	10	BDL	CLEAR/CALM	
18-01-2025	19-01-2025	71	27	9	BDL	CLEAR/CALM	
24-01-2025	25-01-2025	63	23	7	BDL	CLEAR/CALM	
25-01-2025	26-01-2025	79	25	8	BDL	CLEAR/CALM	
29-01-2025	30-01-2025	84	28	9	BDL	CLEAR/CALM	
30-01-2025	31-01-2025	95	32	11	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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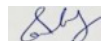
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: PJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	45.1	43.1
JAN'25	28-01-2025	47.8	45.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

MAHADEOPURI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/59	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

MANAGER OFFICE				PMUA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-01-2025	03-01-2025	324	218	51	18	15	CLEAR/CALM
28-01-2025	29-01-2025	293	201	59	22	18	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

LAMP ROOM				PMUA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-01-2025	03-01-2025	314	210	50	16	13	CLEAR/CALM
28-01-2025	29-01-2025	277	184	41	13	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA			PMUA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-01-2025	03-01-2025	92	30	11	BDL	CLEAR/CALM
28-01-2025	29-01-2025	81	27	10	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

COLONY EDC DISPENSARY			PMUA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-01-2025	03-01-2025	87	29	10	BDL	CLEAR/CALM
27-01-2025	28-01-2025	71	20	8	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE:		PMUW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-01-2025	8.19	28	44	BDL
28-01-2025	8.15	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

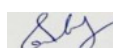
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: PMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	69.8	67.2
JAN'25	28-01-2025	70.1	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PMUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	44.3	42.4
JAN'25	28-01-2025	43.9	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEHARIA UG

PENCH AREA

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JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/60	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

SAM OFFICE PNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	258	162	33	14	11	CLEAR/CALM
20-01-2025	21-01-2025	289	194	48	16	14	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

LAMP ROOM/ SUBSTATION PNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-2025	06-01-2025	292	201	47	14	11	CLEAR/CALM
20-01-2025	21-01-2025	322	218	55	18	14	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-01-2025	07-01-2025	74	21	8	BDL		CLEAR/CALM
20-01-2025	21-01-2025	89	29	10	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-01-2025	04-01-2025	66	19	8	BDL		CLEAR/CALM
04-01-2025	05-01-2025	75	22	9	BDL		CLEAR/CALM
10-01-2025	11-01-2025	82	27	10	BDL		CLEAR/CALM
11-01-2025	12-01-2025	69	20	9	BDL		CLEAR/CALM
17-01-2025	18-01-2025	88	29	10	BDL		CLEAR/CALM
18-01-2025	19-01-2025	71	27	9	BDL		CLEAR/CALM
24-01-2025	25-01-2025	63	23	7	BDL		CLEAR/CALM
25-01-2025	26-01-2025	79	25	8	BDL		CLEAR/CALM
29-01-2025	30-01-2025	84	28	9	BDL		CLEAR/CALM
30-01-2025	31-01-2025	95	32	11	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: PNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-01-2025	8.05	26	48	BDL
20-01-2025	7.96	20	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: PNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-01-2025	8.24	22	44	BDL
20-01-2025	8.28	28	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

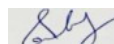
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		PNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	70.1	68.5
JAN'25	28-01-2025	69.5	67.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		PNUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	44.2	43.4
JAN'25	28-01-2025	43.8	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEW SETHIA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025



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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/61	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

NEW SETHIA OC SITE PNSOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-01-2025	07-01-2025	289	192	42	17	15
21-01-2025	22-01-2025	247	151	33	13	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

SAM OFFICE PCOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-01-2025	07-01-2025	253	167	41	15	12
21-01-2025	22-01-2025	296	199	52	17	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

CHINDA VILLAGE PCOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-01-2025	04-01-2025	70	19	10	BDL	CLEAR/CALM
04-01-2025	05-01-2025	96	32	11	BDL	CLEAR/CALM
10-01-2025	11-01-2025	85	28	9	BDL	CLEAR/CALM
11-01-2025	12-01-2025	73	24	8	BDL	CLEAR/CALM
17-01-2025	18-01-2025	68	20	8	BDL	CLEAR/CALM
18-01-2025	19-01-2025	84	26	10	BDL	CLEAR/CALM
24-01-2025	25-01-2025	90	30	10	BDL	CLEAR/CALM
25-01-2025	26-01-2025	74	21	8	BDL	CLEAR/CALM
29-01-2025	30-01-2025	82	25	9	BDL	CLEAR/CALM
30-01-2025	31-01-2025	87	27	9	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

CHINDA COLONY PNSOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-01-2025	04-01-2025	81	32	9	BDL	CLEAR/CALM
04-01-2025	05-01-2025	68	19	7	BDL	CLEAR/CALM
10-01-2025	11-01-2025	94	30	10	BDL	CLEAR/CALM
11-01-2025	12-01-2025	66	21	8	BDL	CLEAR/CALM
17-01-2025	18-01-2025	79	25	8	BDL	CLEAR/CALM
18-01-2025	19-01-2025	82	29	10	BDL	CLEAR/CALM
24-01-2025	25-01-2025	64	20	8	BDL	CLEAR/CALM
25-01-2025	26-01-2025	89	34	10	BDL	CLEAR/CALM
29-01-2025	30-01-2025	92	36	11	BDL	CLEAR/CALM
30-01-2025	31-01-2025	80	30	10	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE:		PSOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-01-2025	8.22	22	36	BDL
21-01-2025	7.69	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

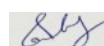
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	45.9	43.8
JAN'25	28-01-2025	48.4	45.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	43.4	42.1
JAN'25	28-01-2025	44.1	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

SHIVPURI OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/62	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

SITE OFFICE PSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	238	150	31	14	10	CLEAR/CALM
21-01-2025	22-01-2025	267	182	42	15	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SHIVPURI WEIGH BRIDGE PSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	255	162	37	13	10	CLEAR/CALM
21-01-2025	22-01-2025	289	199	46	16	14	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SUBSTATION PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-01-2025	07-01-2025	288	194	48	14	11	CLEAR/CALM
21-01-2025	22-01-2025	307	214	55	18	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-01-2025	07-01-2025	96	30	8	BDL		CLEAR/CALM
21-01-2025	22-01-2025	70	22	10	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-2025	04-01-2025	70	19	10	BDL		CLEAR/CALM
04-01-2025	05-01-2025	96	32	11	BDL		CLEAR/CALM
10-01-2025	11-01-2025	85	28	9	BDL		CLEAR/CALM
11-01-2025	12-01-2025	73	24	8	BDL		CLEAR/CALM
17-01-2025	18-01-2025	68	20	8	BDL		CLEAR/CALM
18-01-2025	19-01-2025	84	26	10	BDL		CLEAR/CALM
24-01-2025	25-01-2025	90	30	10	BDL		CLEAR/CALM
25-01-2025	26-01-2025	74	21	8	BDL		CLEAR/CALM
29-01-2025	30-01-2025	82	25	9	BDL		CLEAR/CALM
30-01-2025	31-01-2025	87	27	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

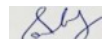
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PS0N1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	47.1	45.2
JAN'25	28-01-2025	48.1	46.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PS0N2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	44.9	43.2
JAN'25	28-01-2025	44.1	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

THESGORA MATHANI UG

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/63	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25	

MATHANI VILLAGE PTUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-2025	07-01-2025	82	29	10	BDL	CLEAR/CALM
21-01-2025	22-01-2025	67	23	7	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

SAM OFFICE PTUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
05-01-2025	06-01-2025	231	142	34	13	CLEAR/CALM
21-01-2025	22-01-2025	255	161	40	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

MANAGER OFFICE- MATHANI PTUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
05-01-2025	06-01-2025	293	199	47	15	CLEAR/CALM
21-01-2025	22-01-2025	324	219	58	20	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

JHURE COLONY- FILTER PLANT PTUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-2025	07-01-2025	77	25	10	BDL	CLEAR/CALM
20-01-2025	21-01-2025	89	31	12	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: PTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-01-2025	7.99	30	52	BDL
21-01-2025	7.92	24	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

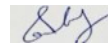
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE-MATHANI: PTUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	68.2	66.4
JAN'25	28-01-2025	70.4	67.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MATHANI COLONY: PTUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	44.1	42.7
JAN'25	28-01-2025	44.3	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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PENCH AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/JAN-25/64	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

URDHAN MANAGER OFFICE PUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-01-2025	06-01-2025	247	155	35	12	10	CLEAR/CALM
20-01-2025	21-01-2025	266	187	41	16	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

COAL STOCK YARD PUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-01-2025	06-01-2025	300	199	52	18	15	CLEAR/CALM
20-01-2025	21-01-2025	356	231	59	25	20	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-01-2025	07-01-2025	74	21	8	BDL	CLEAR/CALM	
20-01-2025	21-01-2025	89	29	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-2025	04-01-2025	66	19	8	BDL	CLEAR/CALM	
04-01-2025	05-01-2025	75	22	9	BDL	CLEAR/CALM	
10-01-2025	11-01-2025	82	27	10	BDL	CLEAR/CALM	
11-01-2025	12-01-2025	69	20	9	BDL	CLEAR/CALM	
17-01-2025	18-01-2025	88	29	10	BDL	CLEAR/CALM	
18-01-2025	19-01-2025	71	27	9	BDL	CLEAR/CALM	
24-01-2025	25-01-2025	63	23	7	BDL	CLEAR/CALM	
25-01-2025	26-01-2025	79	25	8	BDL	CLEAR/CALM	
29-01-2025	30-01-2025	84	28	9	BDL	CLEAR/CALM	
30-01-2025	31-01-2025	95	32	11	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: PUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-01-2025	8.04	28	48	BDL
20-01-2025	7.99	22	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: PUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-01-2025	8.26	24	40	BDL
20-01-2025	8.24	26	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

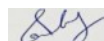
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: PUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	14-01-2025	45.7	43.9
JAN'25	28-01-2025	46.6	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

URDHAN VILLAGE PUON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	14-01-2025	44.4	43.1
JAN'25	28-01-2025	44.1	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

VISHNUPURI-II UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/66	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

SAM OFFICE PV1UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-2025	07-01-2025	261	184	41	13	10	CLEAR/CALM
21-01-2025	22-01-2025	299	203	57	16	14	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SUBSTATION PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-2025	07-01-2025	288	194	48	14	11	CLEAR/CALM
21-01-2025	22-01-2025	307	214	55	18	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI PSO3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-01-2025	07-01-2025	96	30	8	BDL	CLEAR/CALM	
21-01-2025	22-01-2025	70	22	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-01-2025	04-01-2025	70	19	10	BDL	CLEAR/CALM	
04-01-2025	05-01-2025	96	32	11	BDL	CLEAR/CALM	
10-01-2025	11-01-2025	85	28	9	BDL	CLEAR/CALM	
11-01-2025	12-01-2025	73	24	8	BDL	CLEAR/CALM	
17-01-2025	18-01-2025	68	20	8	BDL	CLEAR/CALM	
18-01-2025	19-01-2025	84	26	10	BDL	CLEAR/CALM	
24-01-2025	25-01-2025	90	30	10	BDL	CLEAR/CALM	
25-01-2025	26-01-2025	74	21	8	BDL	CLEAR/CALM	
29-01-2025	30-01-2025	82	25	9	BDL	CLEAR/CALM	
30-01-2025	31-01-2025	87	27	9	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: PV2UW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-01-2025	8.37	28	44	BDL
21-01-2025	7.49	20	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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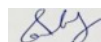
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE UG-II: PV2UN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	14-01-2025	68.8	66.4
JAN'25	28-01-2025	69.8	67.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

AREA HOSPITAL

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102			
TEST REPORT NO.		RIN/TR/JAN-25/76		DATE OF ISSUE		25-02-2025	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR					
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)					
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-01-25 TO 15-02-25		

AREA HOSPITAL PKSUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
09-01-2025	10-01-2025	92	43	19	12	CLOUDY/CALM
24-01-2025	25-01-2025	76	36	16	11	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	

AGM OFFICE PKSUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
09-01-2025	10-01-2025	78	34	16	10	CLOUDY/CALM
23-01-2025	24-01-2025	89	41	18	11	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	

PATHAKHERA COLONY PKSUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
09-01-2025	10-01-2025	84	40	19	11	CLOUDY/CALM
23-01-2025	24-01-2025	78	38	16	BDL	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

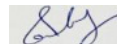
Sarni Mine Premises:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	11-01-2025	62.3	61.4
JAN'25	24-01-2025	62.6	61.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SARNI):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	11-01-2025	42.8	40.6
JAN'25	24-01-2025	42.1	40.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

AREA HOSPITAL		PKSUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'25	11-01-2025	44.2	41.3
OCT'24	24-01-2025	43.7	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

CHATTARPUR I & II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/75	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

SUBSTATION- CHATTARPUR I UG PKCUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-01-2025	10-01-2025	311	201	62	23	13	CLOUDY/CALM
22-01-2025	23-01-2025	279	186	63	25	12	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE PKCUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-01-2025	10-01-2025	335	214	65	25	14	CLOUDY/CALM
22-01-2025	23-01-2025	298	185	61	24	13	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

REGIONAL WORKSHOP PKCUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-01-2025	10-01-2025	80	34	16	11	CLOUDY/CALM	
22-01-2025	23-01-2025	88	38	17	12	CLEAR/LIGHTBREEZE	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80		

CHATTARPUR VILLAGE PKCUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-01-2025	10-01-2025	84	38	15	BDL	CLOUDY/CALM	
22-01-2025	23-01-2025	92	42	19	12	CLEAR/LIGHTBREEZE	
		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE-I UG:		PKCUW1			
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS				
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)	TDS -mg/l
DETECTION LIMIT	2	10	4	2	25
10-01-2025	7.98	38	36	BDL	560
22-01-2025	8.2	40	28	BDL	520
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10	2000



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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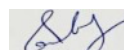
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	11-01-2025	20	20
JAN'25	11-01-2025	73.4	69.8
JAN'25	24-01-2025	72.9	69.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

TAWA-II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

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JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-25/78	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25	

CANTEEN BUILDING II PKT2UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	321	219	64	25	14	CLOUDY/CALM
23-01-2025	24-01-2025	338	227	67	23	12	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

SAM OFFICE PKTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-01-2025	13-01-2025	322	224	64	23	13	CLOUDY/CALM
23-01-2025	24-01-2025	339	216	67	24	14	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

MPEB COLONY PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
12-01-2025	13-01-2025	84	39	14	12		CLOUDY/CALM
24-01-2025	25-01-2025	92	42	16	13		CLEAR/LIGHTBREEZE
		100	60	80	80		

HIRA PALLA/BHAGAIAKHAPA VILLAGE PKT2UA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
12-01-2025	13-01-2025	89	40	17	12		CLOUDY/CALM
24-01-2025	25-01-2025	78	36	15	BDL		CLEAR/LIGHTBREEZE
		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: PKTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	8.10	42	40	BDL
25-01-2025	7.98	50	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

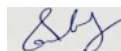
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		PKTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	11-01-2025	72.6	68.4
JAN'25	24-01-2025	73.5	69.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PATHAKHERA COLONY(TAWA):		PKTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'25	11-01-2025	43.6	42.0
JAN'25	24-01-2025	42.5	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

TAWA UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/79	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-01-2025	13-01-2025	342	236	66	25	14	CLOUDY/CALM
23-01-2025	24-01-2025	323	221	63	23	12	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-01-2025	13-01-2025	291	213	65	22	11	CLOUDY/CALM
23-01-2025	24-01-2025	324	198	61	25	13	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-01-2025	13-01-2025	84	39	14	12	CLOUDY/CALM
24-01-2025	25-01-2025	92	42	16	13	CLEAR/LIGHTBREEZE
		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-01-2025	13-01-2025	89	40	17	12	CLOUDY/CALM
24-01-2025	25-01-2025	78	36	15	BDL	CLEAR/LIGHTBREEZE
		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

MINE WATER DISCHARGE: PKTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-2025	8.05	38	28	BDL
25-01-2025	7.94	42	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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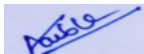
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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NOISE LEVEL MONITORING DATA

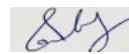
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: PKTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	71.9	68.7
JAN'25	24-01-2025	71.6	69.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PATHAKHERA COLONY(TAWA): PKTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	11-01-2025	43.6	42.0
JAN'25	24-01-2025	42.5	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

CWS TADALI

CWS TADALI

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2025



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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-25/53	DATE OF ISSUE	25-02-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-25 TO 15-02-25

SUBSTATION: CWSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-01-2025	06-01-2025	250	70	54	14	12	CLEAR SKY/ CLAM
19-01-2025	20-01-2025	224	72	54	14	10	CLEAR SKY/ CLAM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR FILTER PLANT: CWSA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-01-2025	06-01-2025	70	55	17	14		CLEAR SKY/ CLAM
19-01-2025	20-01-2025	68	50	13	11		CLEAR SKY/ CLAM
		100	60	80	80		

ADMINISTRATIVE BUILDING: CWSA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-01-2025	06-01-2025	366	181	58	16	14	CLEAR SKY/ CLAM
19-01-2025	20-01-2025	340	148	55	14	12	CLEAR SKY/ CLAM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CWS COLONY: CWSA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-01-2025	06-01-2025	60	50	15	13		CLEAR SKY/ CLAM
19-01-2025	20-01-2025	74	57	16	14		CLEAR SKY/ CLAM
		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C.:2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-25 TO 15-02-25

ETP DISCHARGE: CWSW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-01-2025	7.30	40	32	3.4
19-01-2025	7.20	30	52	4.0
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JULY-2015
SAMPLING METHOD	LSOP 6

NEAR WORKSHOP: CWSN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	51.3	50.4
JAN'25	26-01-2025	52.6	51.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(CWS): CWSN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'25	07-01-2025	44.3	43.6
JAN'25	26-01-2025	45.5	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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