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ENVIRONMENTAL MONITORING REPORT

Amalgamation of Gouri & Pauni OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 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	
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TEST REPORT NO.	RIN/TR/FEB-25/44	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

MANAGER OFFICE-GOURI-I OC				BGOA1			
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	
08-02-2025	09-02-2025	276	165	44	18	12	clear sky / light breeze
22-02-2025	23-02-2025	292	194	58	21	14	clear sky / light breeze
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 $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
08-02-2025	09-02-2025	295	179	59	20	12	clear sky / light breeze
22-02-2025	23-02-2025	236	145	43	17	10	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)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05-02-2025	06-02-2025	77	39	12	BDL	clear sky / light breeze
06-02-2025	07-02-2025	82	33	11	BDL	clear sky / light breeze
12-02-2025	13-02-2025	78	38	10	BDL	clear sky / light breeze
13-02-2025	14-02-2025	89	33	12	BDL	clear sky / light breeze
19-02-2025	20-02-2025	91	44	11	BDL	clear sky / light breeze
20-02-2025	21-02-2025	76	38	13	BDL	clear sky / light breeze
26-02-2025	27-02-2025	70	40	12	BDL	clear sky / light breeze
27-02-2025	28-02-2025	85	36	10	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)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03-02-2025	04-02-2025	65	28	11	BDL	clear sky / light breeze
04-02-2025	05-02-2025	70	32	13	BDL	clear sky / light breeze
10-02-2025	11-02-2025	68	41	10	BDL	clear sky / light breeze
11-02-2025	12-02-2025	80	38	9	BDL	clear sky / light breeze
17-02-2025	18-02-2025	53	30	12	BDL	clear sky / light breeze
18-02-2025	19-02-2025	75	35	12	BDL	clear sky / light breeze
24-02-2025	25-02-2025	82	40	10	BDL	clear sky / light breeze
25-02-2025	26-02-2025	70	36	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 :	16-02-25 TO 15-03-25

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
08-02-2025	7.67	20	36	BDL
22-02-2025	8.04	28	44	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
08-02-2025	7.75	18	44	BDL
22-02-2025	7.90	20	52	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

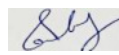
CHP: BGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	68.7	66.4
FEB'25	25-02-2025	68.2	65.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE (PAUNI OC): BAGPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	53.8	51.2
FEB'25	25-02-2025	52.1	47.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	48.6	43.5
FEB'25	25-02-2025	43.8	42.6
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



FEBRUARY 2025

Environment Laboratory
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CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 EC-7102	
TEST REPORT NO.		RIN/TR/FEB-25/41		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
					16-02-25 TO 15-03-25

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	
07-02-2025	08-02-2025	322	198	58	16	10	Clear sky / light breeze
21-02-2025	22-02-2025	344	230	64	27	14	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	
07-02-2025	08-02-2025	276	166	50	15	10	Clear sky / light breeze
21-02-2025	22-02-2025	287	186	48	18	12	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	
07-02-2025	08-02-2025	277	180	61	18	12	Clear sky / light breeze
21-02-2025	22-02-2025	264	165	54	23	16	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		
03-02-2025	04-02-2025	77	30	12	BDL		Clear sky / light breeze
04-02-2025	05-02-2025	84	42	10	BDL		Clear sky / light breeze
10-02-2025	11-02-2025	89	39	9	BDL		Clear sky / light breeze
11-02-2025	12-02-2025	92	37	10	BDL		Clear sky / light breeze
17-02-2025	18-02-2025	70	28	11	BDL		Clear sky / light breeze
18-02-2025	19-02-2025	82	33	14	BDL		Clear sky / light breeze
24-02-2025	25-02-2025	74	30	12	BDL		Clear sky / light breeze
25-02-2025	26-02-2025	76	40	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 : 16-02-25 TO 15-03-25

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
07-02-2025	7.68	28	44	BDL
21-02-2025	7.6	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

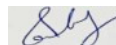
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP: BBUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	69.7	65.4
FEB'25	25-02-2025	69.8	67.2
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
FEB'25	10-02-2025	43.7	41.9
FEB'25	25-02-2025	43.4	42.3
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



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/42	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-02-2025	08-02-2025	322	198	58	16	10	Clear sky / light breeze
21-02-2025	22-02-2025	344	230	64	27	14	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-02-2025	08-02-2025	276	166	50	15	10	Clear sky / light breeze
21-02-2025	22-02-2025	287	186	48	18	12	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-02-2025	08-02-2025	277	180	61	18	12	Clear sky / light breeze
21-02-2025	22-02-2025	264	165	54	23	16	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)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
03-02-2025	04-02-2025	77	30	12	BDL		Clear sky / light breeze
04-02-2025	05-02-2025	84	42	10	BDL		Clear sky / light breeze
10-02-2025	11-02-2025	89	39	9	BDL		Clear sky / light breeze
11-02-2025	12-02-2025	92	37	10	BDL		Clear sky / light breeze
17-02-2025	18-02-2025	70	28	11	BDL		Clear sky / light breeze
18-02-2025	19-02-2025	82	33	14	BDL		Clear sky / light breeze
24-02-2025	25-02-2025	74	30	12	BDL		Clear sky / light breeze
25-02-2025	26-02-2025	76	40	10	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 :	16-02-25 TO 15-03-25

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
07-02-2025	7.89	24	36	BDL
21-02-2025	7.62	18	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

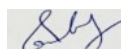
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: BBUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	67.9	65.2
FEB'25	25-02-2025	69.3	66.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: BBUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	43.7	41.9
FEB'25	25-02-2025	43.4	42.3
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/FEB-25/43	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

MANAGER OFFICE				BGDO1			
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 _x	SO _x	
FROM	TO	5	5	2	6	10	
08-02-2025	09-02-2025	310	221	68	27	14	clear sky / light breeze
22-02-2025	23-02-2025	299	210	58	21	11	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MUTRA VILLAGE		BGDO2				
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 _x	SO _x	
03-02-2025	04-02-2025	69	30	11	BDL	clear sky / light breeze
04-02-2025	05-02-2025	77	41	12	BDL	clear sky / light breeze
10-02-2025	11-02-2025	82	34	10	BDL	clear sky / light breeze
11-02-2025	12-02-2025	72	36	11	BDL	clear sky / light breeze
17-02-2025	18-02-2025	69	33	9	BDL	clear sky / light breeze
18-02-2025	19-02-2025	88	40	13	BDL	clear sky / light breeze
24-02-2025	25-02-2025	82	30	14	BDL	clear sky / light breeze
25-02-2025	26-02-2025	79	29	12	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	

GOYEGAON VILLAGE		BGDO3				
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 _x	SO _x	
03-02-2025	04-02-2025	66	31	12	BDL	clear sky / light breeze
04-02-2025	05-02-2025	60	28	10	BDL	clear sky / light breeze
10-02-2025	11-02-2025	65	39	9	BDL	clear sky / light breeze
11-02-2025	12-02-2025	70	30	12	BDL	clear sky / light breeze
17-02-2025	18-02-2025	65	32	12	BDL	clear sky / light breeze
18-02-2025	19-02-2025	77	34	13	BDL	clear sky / light breeze
24-02-2025	25-02-2025	80	41	12	BDL	clear sky / light breeze
25-02-2025	26-02-2025	76	38	14	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	

RAILWAY SIDDING				BGDO4			
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 _x	SO _x	
FROM	TO	5	5	2	6	10	
08-02-2025	09-02-2025	354	232	70	29	16	clear sky / light breeze
22-02-2025	23-02-2025	308	220	60	26	14	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 :	16-02-25 TO 15-03-25

MINE WATER DISCHARGE: BGDW1				
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
09-02-2025	7.81	24	52	BDL
23-02-2025	7.75	20	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP) DISCHARGE: BGDW2				
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
09-02-2025	7.55	18	28	BDL
23-02-2025	7.69	24	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

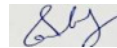
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	10-02-2025	54.6	52.1
FEB'25	25-02-2025	56.4	51.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MUTHRA VILLAGE :		BGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	10-02-2025	44.3	42.1
FEB'25	25-02-2025	43.7	41.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEW DHOPTALA OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 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/FEB-25/45	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

SAM OFFICE- DHOPTALA SUB AREA							BND0A1
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	
02-02-2025	03-02-2025	287	186	57	16	10	clear sky / light breeze
16-02-2025	17-02-2025	298	202	63	24	12	clear sky / light breeze
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 $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
02-02-2025	03-02-2025	288	178	60	19	11	clear sky / light breeze
16-02-2025	17-02-2025	321	210	66	20	13	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)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
5-2-2025	06-02-2025	84	42	14	BDL	
06-02-2025	07-02-2025	80	46	12	BDL	
12-02-2025	13-02-2025	89	40	12	BDL	
13-02-2025	14-02-2025	78	41	15	BDL	
19-02-2025	20-02-2025	70	33	13	BDL	
20-02-2025	21-02-2025	81	38	11	BDL	
26-02-2025	27-02-2025	89	47	16	BDL	
27-02-2025	28-02-2025	86	42	12	BDL	
NAAQS, 2009		100	60	80	80	

MUTHRA VILLAGE BGDO2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
03-02-2025	04-02-2025	77	41	14	BDL	clear sky / light breeze
04-02-2025	05-02-2025	81	40	12	BDL	clear sky / light breeze
10-02-2025	11-02-2025	65	35	9	BDL	clear sky / light breeze
11-02-2025	12-02-2025	78	38	11	BDL	clear sky / light breeze
17-02-2025	18-02-2025	75	29	10	BDL	clear sky / light breeze
18-02-2025	19-02-2025	69	34	12	BDL	clear sky / light breeze
24-02-2025	25-02-2025	70	32	13	BDL	clear sky / light breeze
25-02-2025	26-02-2025	72	36	11	BDL	clear sky / 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 :	16-02-25 TO 15-03-25

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
02-02-2025	7.56	18	36	BDL
16-02-2025	7.77	24	48	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

CHP: BNDON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	67.6	65.2
FEB'25	25-02-2025	68.4	66.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY: BSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	44.9	42.3
FEB'25	25-02-2025	43.6	42.4
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



FEBRUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/FEB-25/47	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

MINE OFFICE BP2OA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
09-02-2025	10-02-2025	298	199	61	24	14	clear sky / light breeze
23-02-2025	24-02-2025	269	173	58	21	12	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)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
09-02-2025	10-02-2025	312	219	75	15	10	clear sky / light breeze
23-02-2025	24-02-2025	288	167	52	16	11	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)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
05-02-2025	06-02-2025	72	36	12	BDL		clear sky / light breeze
06-02-2025	07-02-2025	70	28	10	BDL		clear sky / light breeze
12-02-2025	13-02-2025	67	32	9	BDL		clear sky / light breeze
13-02-2025	14-02-2025	71	33	11	BDL		clear sky / light breeze
19-02-2025	20-02-2025	65	31	13	BDL		clear sky / light breeze
20-02-2025	21-02-2025	69	40	14	BDL		clear sky / light breeze
26-02-2025	27-02-2025	74	34	12	BDL		clear sky / light breeze
27-02-2025	28-02-2025	70	32	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)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
09-02-2025	10-02-2025	314	216	68	19	12	clear sky / light breeze
23-02-2025	24-02-2025	320	210	61	22	13	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 : 16-02-25 TO 15-03-25

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
09-02-2025	7.84	32	56	BDL
23-02-2025	7.65	24	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
09-02-2025	8.12	32	56	BDL
23-02-2025	7.85	28	52	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	10-02-2025	57.2	51.8
FEB'25	25-02-2025	56.4	52.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SAKHARI VILLAGE :		BPON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	10-02-2025	42.8	41.3
FEB'25	25-02-2025	48.2	44.3
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



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/48	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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	
02-02-2025	03-02-2025	270	165	50	20	12	clear sky / light breeze
16-02-2025	17-02-2025	264	168	58	21	11	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	
02-02-2025	03-02-2025	288	162	48	19	12	clear sky / light breeze
16-02-2025	17-02-2025	275	156	50	14	BDL	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		
05-02-2025	06-02-2025	77	39	12	BDL	clear sky / light breeze	
06-02-2025	07-02-2025	82	33	11	BDL	clear sky / light breeze	
12-02-2025	13-02-2025	78	38	10	BDL	clear sky / light breeze	
13-02-2025	14-02-2025	89	33	12	BDL	clear sky / light breeze	
19-02-2025	20-02-2025	91	44	11	BDL	clear sky / light breeze	
20-02-2025	21-02-2025	76	38	13	BDL	clear sky / light breeze	
26-02-2025	27-02-2025	70	40	12	BDL	clear sky / light breeze	
27-02-2025	28-02-2025	85	36	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)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
05-02-2025	06-02-2025	74	33	11	BDL	clear sky / light breeze	
06-02-2025	07-02-2025	80	42	10	BDL	clear sky / light breeze	
12-02-2025	13-02-2025	76	39	11	BDL	clear sky / light breeze	
13-02-2025	14-02-2025	70	35	12	BDL	clear sky / light breeze	
19-02-2025	20-02-2025	73	42	12	BDL	clear sky / light breeze	
20-02-2025	21-02-2025	67	26	14	BDL	clear sky / light breeze	
26-02-2025	27-02-2025	69	33	12	BDL	clear sky / light breeze	
27-02-2025	28-02-2025	80	40	12	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 :	16-02-25 TO 15-03-25

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
02-02-2025	7.76	28	36	BDL
16-02-2025	7.65	24	40	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
02-02-2025	7.45	20	44	BDL
16-02-2025	7.68	22	36	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
02-02-2025	24		10.4
16-02-2025	32		12.6
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)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	67.8	66.6
FEB'25	25-02-2025	69.2	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		75	70

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	48.6	43.5
FEB'25	25-02-2025	43.8	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		55	45



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ENVIRONMENTAL MONITORING REPORT

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BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 2025

Environment Laboratory
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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/FEB-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:		16-02-25 TO 15-03-25	

SAM OFFICE-DHOPTALA SUB AREA BNDOA1						
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
02-02-2025	03-02-2025	287	186	57	16	10
16-02-2025	17-02-2025	298	202	63	24	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						

MANAGER OFFICE-DHOPTALA OC BNDOA2						
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
02-02-2025	03-02-2025	288	178	60	19	11
16-02-2025	17-02-2025	321	210	66	20	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						

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	
05-02-2025	06-02-2025	84	42	14	BDL	clear sky / light breeze
06-02-2025	07-02-2025	80	46	12	BDL	clear sky / light breeze
12-02-2025	13-02-2025	89	40	12	BDL	clear sky / light breeze
13-02-2025	14-02-2025	78	41	15	BDL	clear sky / light breeze
19-02-2025	20-02-2025	70	33	13	BDL	clear sky / light breeze
20-02-2025	21-02-2025	81	38	11	BDL	clear sky / light breeze
26-02-2025	27-02-2025	89	47	16	BDL	clear sky / light breeze
27-02-2025	28-02-2025	86	42	12	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	
ENVIRONMENT CONDITIONS (Sky/Wind)						

SASTI VILLAGE BSUA4						
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	
05-02-2025	06-02-2025	74	33	11	BDL	clear sky / light breeze
06-02-2025	07-02-2025	80	42	10	BDL	clear sky / light breeze
12-02-2025	13-02-2025	76	39	11	BDL	clear sky / light breeze
13-02-2025	14-02-2025	70	35	12	BDL	clear sky / light breeze
19-02-2025	20-02-2025	73	42	12	BDL	clear sky / light breeze
20-02-2025	21-02-2025	67	26	14	BDL	clear sky / light breeze
26-02-2025	27-02-2025	69	33	12	BDL	clear sky / light breeze
27-02-2025	28-02-2025	80	40	12	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	
ENVIRONMENT CONDITIONS (Sky/Wind)						



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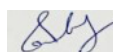
NOISE LEVEL MONITORING DATA

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

SASTI COLONY: BSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	44.9	42.3
FEB'25	25-02-2025	43.6	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

BHATADI OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/31	DATE OF ISSUE	25-03-2025
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:		16/02/24 TO 15/03/25

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-02-2025	10-02-2025	453	199	53	40	31	Clear Sky/calm
23-02-2025	24-02-2025	462	225	56	44	33	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

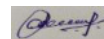
BHATADI MANAGER OFFICE CBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-02-2025	10-02-2025	425	181	45	34	25	Clear Sky/calm
23-02-2025	24-02-2025	437	194	49	32	23	Clear Sky/calm
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		
06-02-2025	07-02-2025	82	29	26	19	Clear Sky/calm	
07-02-2025	08-02-2025	90	25	35	21	Clear Sky/calm	
12-02-2025	13-02-2025	86	23	29	25	Clear Sky/calm	
13-02-2025	14-02-2025	93	22	28	23	Clear Sky/calm	
20-02-2025	21-02-2025	89	28	29	22	Clear Sky/calm	
21-02-2025	22-02-2025	87	20	33	24	Clear Sky/calm	
26-02-2025	27-02-2025	90	25	31	20	Clear Sky/calm	
27-02-2025	28-02-2025	93	23	35	21	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		
06-02-2025	07-02-2025	85	23	25	20	Clear Sky/calm	
07-02-2025	08-02-2025	87	30	26	21	Clear Sky/calm	
12-02-2025	13-02-2025	86	27	25	22	Clear Sky/calm	
13-02-2025	14-02-2025	80	30	26	19	Clear Sky/calm	
20-02-2025	21-02-2025	79	23	24	15	Clear Sky/calm	
21-02-2025	22-02-2025	84	22	29	18	Clear Sky/calm	
26-02-2025	27-02-2025	88	25	24	16	Clear Sky/calm	
27-02-2025	28-02-2025	83	21	23	17	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		
06-02-2025	07-02-2025	92	32	33	20	Clear Sky/calm	

07-02-2025	08-02-2025	88	35	28	23	Clear Sky/calm
12-02-2025	13-02-2025	87	27	32	22	Clear Sky/calm
13-02-2025	14-02-2025	93	36	28	24	Clear Sky/calm
20-02-2025	21-02-2025	87	28	25	21	Clear Sky/calm
21-02-2025	22-02-2025	89	33	26	20	Clear Sky/calm
26-02-2025	27-02-2025	88	25	24	21	Clear Sky/calm
27-02-2025	28-02-2025	90	28	29	23	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 :			16/02/24 TO 15/03/25

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
10.02.2025	7.63	27	28	BDL
24.02.2025	7.54	22	24	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
10.02.2025	7.86	20	24	BDL
24.02.2025	7.8	26	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
10.02.2025	20	6.6
24.02.2025	16	6.0
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			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	65.3	62.6
FEB'25	21-02-2025	66.2	63.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CBON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	44.2	41.3
FEB'25	21-02-2025	43.3	40.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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CHANDRAPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/32	DATE OF ISSUE	25-03-2025
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:		16/02/24 TO 15/03/25

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	
11-02-2025	12-02-2025	389	157	37	29	25	Clear Sky/calm
25-02-2025	26-02-2025	402	166	41	38	28	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	
07-02-2025	08-02-2025	399	157	35	27	23	Clear Sky/calm
21-02-2025	22-02-2025	409	176	40	32	29	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-02-2025	07-02-2025	374	169	41	30	23	Clear Sky/calm
20-02-2025	21-02-2025	382	173	39	28	19	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		
06-02-2025	07-02-2025	70	25	22	17		Clear Sky/calm
20-02-2025	21-02-2025	75	27	24	18		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)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	09-02-2025	66.2	63.4
FEB'25	21-02-2025	64.4	61.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MKC)		CCRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	09-02-2025	43.2	40.4
FEB'25	21-02-2025	43.3	39.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/33	DATE OF ISSUE	25-03-2025
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:		16/02/24 TO 15/03/25

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-02-2025	08-02-2025	410	161	36	29	22	Clear Sky/calm
21-02-2025	22-02-2025	423	169	41	27	20	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-02-2025	08-02-2025	417	178	36	31	22	Clear Sky/calm
21-02-2025	22-02-2025	422	188	41	34	26	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-02-2025	07-02-2025	74	25	25	18	Clear Sky/calm	
20-02-2025	21-02-2025	80	28	20	14	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-02-2025	07-02-2025	79	31	22	17	Clear Sky/calm	
20-02-2025	21-02-2025	75	28	27	19	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		

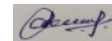


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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 :	16/02/24 TO 15/03/25

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
08.02.2025	7.38	20	24	BDL
22.02.2025	7.46	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25- 09-2000	5.5 - 9.0	100	250	10



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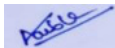
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

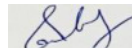
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: CDRUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	67.3	63.5
FEB'25	21-02-2025	68.4	64.6
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
FEB'25	09-02-2025	43.2	39.3
FEB'25	21-02-2025	42.3	39.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

DURGAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 2025

Environment Laboratory
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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/34	DATE OF ISSUE	25-03-2025
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:		16/02/24 TO 15/03/25

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-02-2025	08-02-2025	436	200	50	39	26	Clear Sky/calm
21-02-2025	22-02-2025	412	198	43	37	22	Clear Sky/calm
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		
06-02-2025	07-02-2025	89	36	35	29	Clear Sky/calm	
07-02-2025	08-02-2025	85	38	30	26	Clear Sky/calm	
12-02-2025	13-02-2025	87	27	34	25	Clear Sky/calm	
13-02-2025	14-02-2025	95	35	22	17	Clear Sky/calm	
20-02-2025	21-02-2025	90	33	29	23	Clear Sky/calm	
21-02-2025	22-02-2025	87	26	28	20	Clear Sky/calm	
26-02-2025	27-02-2025	86	37	31	21	Clear Sky/calm	
27-02-2025	28-02-2025	91	26	33	23	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-02-2025	09-02-2025	437	206	47	36	27	Clear Sky/calm
22-02-2025	23-02-2025	427	194	54	34	25	Clear Sky/calm
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		
06-02-2025	07-02-2025	91	29	28	15	Clear Sky/calm	
07-02-2025	08-02-2025	83	30	27	20	Clear Sky/calm	
12-02-2025	13-02-2025	90	27	20	17	Clear Sky/calm	
13-02-2025	14-02-2025	84	30	22	18	Clear Sky/calm	
20-02-2025	21-02-2025	87	23	25	20	Clear Sky/calm	
21-02-2025	22-02-2025	81	31	23	19	Clear Sky/calm	
26-02-2025	27-02-2025	88	28	20	25	Clear Sky/calm	
27-02-2025	28-02-2025	90	23	32	18	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 :	16/02/24 TO 15/03/25

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
08.02.2025	7.58	29	36	BDL
22.02.2025	7.46	27	32	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
08.02.2025	3.44	37	40	BDL
22.02.2025	3.38	34	36	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
08.02.2025	7.64	27	32	BDL
22.02.2025	7.53	23	28	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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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)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	09-02-2025	64.3	62.4
FEB'25	21-02-2025	66.2	63.4
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
FEB'25	09-02-2025	43.2	39.3
FEB'25	21-02-2025	42.3	39.5
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



FEBRUARY 2025

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TEST REPORT NO.	RIN/TR/FEB-25/37	DATE OF ISSUE	25-03-2025
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:		16/02/24 TO 15/03/25

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-02-2025	12-02-2025	425	170	40	35	25	Clear Sky/calm
25-02-2025	26-02-2025	417	156	35	31	21	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-02-2025	12-02-2025	401	188	48	37	29	Clear Sky/calm
25-02-2025	26-02-2025	418	193	43	32	27	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-02-2025	11-02-2025	77	22	26	18	Clear Sky/calm	
24-02-2025	25-02-2025	79	25	24	20	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	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-02-2025	11-02-2025	75	26	28	21	Clear Sky/calm	
24-02-2025	25-02-2025	79	29	26	16	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 :	16/02/24 TO 15/03/25

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
11.02.2025	7.31	25	24	BDL
26.02.2025	7.42	20	16	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
11.02.2025	7.44	21	24	BDL
26.02.2025	7.38	26	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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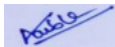
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

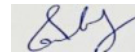
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE-I:		CHUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	68.4	65.5
FEB'25	21-02-2025	69.2	66.5
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
FEB'25	09-02-2025	42.3	38.4
FEB'25	21-02-2025	43.2	40.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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HLP OC

CHANDRAPUR AREA

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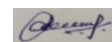
TEST REPORT NO.	RIN/TR/FEB-25/35	DATE OF ISSUE	25-03-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), 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:		16/02/24 TO 15/03/25

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	
12-02-2025	13-02-2025	422	181	47	33	27	Clear Sky/calm
26-02-2025	27-02-2025	401	196	51	29	25	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	
12-02-2025	13-02-2025	431	166	52	32	24	Clear Sky/calm
26-02-2025	27-02-2025	439	204	57	35	29	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		
10-02-2025	11-02-2025	78	25	24	18	Clear Sky/calm	
24-02-2025	25-02-2025	72	23	21	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		
06-02-2025	07-02-2025	87	30	28	22	Clear Sky/calm	
07-02-2025	08-02-2025	79	24	30	17	Clear Sky/calm	
12-02-2025	13-02-2025	80	28	23	19	Clear Sky/calm	
13-02-2025	14-02-2025	76	25	26	20	Clear Sky/calm	
20-02-2025	21-02-2025	84	27	25	18	Clear Sky/calm	
21-02-2025	22-02-2025	83	30	30	23	Clear Sky/calm	
26-02-2025	27-02-2025	80	27	25	20	Clear Sky/calm	
27-02-2025	28-02-2025	82	29	29	21	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 :	16/02/24 TO 15/03/25

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
11-02-2025	3.56	35	28	BDL
26-02-2025	3.39	39	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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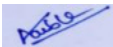
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

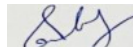
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	66.2	63.5
FEB'25	21-02-2025	66.3	64.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	42.4	39.3
FEB'25	21-02-2025	42.2	38.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MAHAKALI UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 2025



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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/FEB-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	
				16/02/24 TO 15/03/25	

MANAGER OFFICE MAHAKALI UG CMKUA1						
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
11-02-2025	12-02-2025	389	157	37	29	25
25-02-2025	26-02-2025	402	166	41	38	28
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
07-02-2025	08-02-2025	399	157	35	27	23
21-02-2025	22-02-2025	409	176	40	32	29
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

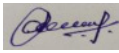
JATWARA MILK SCHEME CCRUA3(C.R.C-U/G)						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
06-02-2025	07-02-2025	374	169	41	30	23
20-02-2025	21-02-2025	382	173	39	28	19
STANDARDS FOR COAL MINE, GSR 742(E), dt. 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	
06-02-2025	07-02-2025	70	25	22	17	Clear Sky/calm
20-02-2025	21-02-2025	75	27	24	18	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 :			16/02/24 TO 15/03/25

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
11.02.2025	7.54	24	28	BDL
26.02.2025	7.46	28	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
FEB'25	09-02-2025	68.8	63.5
FEB'25	21-02-2025	68.3	65.5
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
FEB'25	09-02-2025	43.2	40.4
FEB'25	21-02-2025	43.3	39.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MANA UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

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FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/38	DATE OF ISSUE	25-03-2025
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:		16/02/24 TO 15/03/25

MANAGER OFFICE CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-02-2025	12-02-2025	388	165	41	35	27	Clear Sky/calm
25-02-2025	26-02-2025	412	174	47	28	24	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	
12-02-2025	13-02-2025	407	185	48	39	29	Clear Sky/calm
26-02-2025	27-02-2025	400	163	45	30	27	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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-02-2025	07-02-2025	87	30	28	22		Clear Sky/calm
07-02-2025	08-02-2025	79	24	30	17		Clear Sky/calm
12-02-2025	13-02-2025	80	28	23	19		Clear Sky/calm
13-02-2025	14-02-2025	76	25	26	20		Clear Sky/calm
20-02-2025	21-02-2025	84	27	25	18		Clear Sky/calm
21-02-2025	22-02-2025	83	30	30	23		Clear Sky/calm
26-02-2025	27-02-2025	80	27	25	20		Clear Sky/calm
27-02-2025	28-02-2025	82	29	29	21		Clear Sky/calm
NAAQS, 2009		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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
10-02-2025	11-02-2025	78	25	24	18		Clear Sky/calm
24-02-2025	25-02-2025	72	23	21	15		Clear Sky/calm
		100	60	80	80		

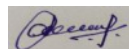


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/02/24 TO 15/03/25

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
11.02.2025	7.24	19	24	BDL
26.02.2025	7.39	22	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

FAN HOUSE: CMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	60.2	57.3
FEB'25	21-02-2025	58.2	54.3
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
FEB'25	09-02-2025	42.4	39.3
FEB'25	21-02-2025	42.2	38.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NANDGAON UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

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FEBRUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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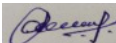
TEST REPORT NO.	RIN/TR/FEB-25/39	DATE OF ISSUE	25-03-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), 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:		16/02/24 TO 15/03/25

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	
12-02-2025	13-02-2025	422	181	47	33	27	Clear Sky/calm
26-02-2025	27-02-2025	401	196	51	29	25	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	
12-02-2025	13-02-2025	407	185	48	39	29	Clear Sky/calm
26-02-2025	27-02-2025	400	163	45	30	27	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
10-02-2025	11-02-2025	78	25	24	18	Clear Sky/calm
24-02-2025	25-02-2025	72	23	21	15	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

COLONY (NANDGAON)				CNUA2		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06-02-2025	07-02-2025	87	30	28	22	Clear Sky/calm
07-02-2025	08-02-2025	79	24	30	17	Clear Sky/calm
12-02-2025	13-02-2025	80	28	23	19	Clear Sky/calm
13-02-2025	14-02-2025	76	25	26	20	Clear Sky/calm
20-02-2025	21-02-2025	84	27	25	18	Clear Sky/calm
21-02-2025	22-02-2025	83	30	30	23	Clear Sky/calm
26-02-2025	27-02-2025	80	27	25	20	Clear Sky/calm
27-02-2025	28-02-2025	82	29	29	21	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

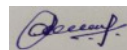


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/02/24 TO 15/03/25

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
11.02.2025	7.58	22	24	BDL
26.02.2025	7.45	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

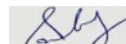
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	67.4	64.6
FEB'25	21-02-2025	68.4	64.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP OC:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	42.4	39.3
FEB'25	21-02-2025	42.2	38.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PADMAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/40	DATE OF ISSUE	25-03-2025
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:		16/02/24 TO 15/03/25

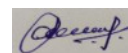
MANAGER OFFICE Q-IV CPOA1 (Padmapur)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-02-2025	09-02-2025	425	166	49	38	26	Clear Sky/calm
22-02-2025	23-02-2025	440	171	42	35	22	Clear 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-02-2025	09-02-2025	433	208	53	37	29	Clear Sky/calm
22-02-2025	23-02-2025	422	190	45	31	24	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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-02-2025	10-02-2025	85	30	26	16		Clear Sky/calm
23-02-2025	24-02-2025	81	27	28	22		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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-02-2025	09-02-2025	74	26	33	21		Clear Sky/calm
22-02-2025	23-02-2025	78	28	29	19		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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-02-2025	09-02-2025	81	25	27	21		Clear Sky/calm
22-02-2025	23-02-2025	85	29	24	17		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

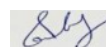
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP:		CPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	09-02-2025	65.2	62.4
FEB'25	21-02-2025	65.3	62.4
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
FEB'25	09-02-2025	43.2	39.3
FEB'25	21-02-2025	42.3	39.5
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



FEBRUARY 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/FEB-25/51	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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	
02-02-2025	03-02-2025	384	201	62	18	15	CLOUDY SKY/MODERATE BREEZE
16-02-2025	18-02-2025	387	198	58	20	15	CLEAR 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	
02-02-2025	03-02-2025	388	180	58	18	15	CLOUDY SKY/MODERATE BREEZE
16-02-2025	17-02-2025	354	154	52	14	12	CLEAR 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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-02-2025	04-02-2025	67	52	18	14		CLEAR SKY/ LIGHT BREEZE
04-02-2025	05-02-2025	60	50	15	12		CLEAR SKY/MODERATE BREEZE
10-02-2025	11-02-2025	62	51	16	14		CLEAR SKY/ LIGHT BREEZE
11-02-2025	12-02-2025	70	52	16	13		CLEAR SKY /MODERATE BREEZE
17-02-2025	18-02-2025	70	52	12	10		CLEAR SKY/LIGHT BREEZE
18-02-2025	19-02-2025	68	50	16	12		CLEAR SKY /MODERATE BREEZE
24-02-2025	25-02-2025	71	47	15	12		CLEAR SKY/ LIGHT BREEZE
25-02-2025	26-02-2025	67	50	18	14		CLEAR SKY/MODERATE 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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-02-2025	04-02-2025	68	45	14	12		CLEAR SKY/ LIGHT BREEZE
04-02-2025	05-02-2025	62	50	14	11		CLEAR SKY/MODERATE BREEZE
10-02-2025	11-02-2025	67	53	12	10		CLEAR SKY/ LIGHT BREEZE
11-02-2025	12-02-2025	68	58	17	12		CLEAR SKY /MODERATE BREEZE
17-02-2025	18-02-2025	62	54	14	12		CLEAR SKY/LIGHT BREEZE
18-02-2025	19-02-2025	68	56	12	10		CLEAR SKY /MODERATE BREEZE
24-02-2025	25-02-2025	65	50	14	12		CLEAR SKY/ LIGHT BREEZE
25-02-2025	26-02-2025	64	51	12	BDL		CLEAR SKY/MODERATE 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:	16-02-25 TO 15-03-25

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
10-02-2025	7.98	40	32	BDL
26-02-2025	7.60	46	28	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
11-02-2025	7.59	38	44	BDL
26-02-2025	7.32	48	32	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
11-02-2025	40	11.4
26-02-2025	36	13.8
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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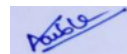
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

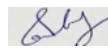
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

FIELD MAIN SHED:		MMON1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	12-02-2025	59.7	56.5
FEB'25	25-02-2025	62.6	60.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PRIMARY HEALTH CENTER MAJRI BASTI		MMON3	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	12-02-2025	44.3	43.2
FEB'25	25-02-2025	41.7	40.4
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



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/50	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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	
02-02-2025	03-02-2025	388	180	58	18	15	CLOUDY SKY/MODERATE BREEZE
16-02-2025	17-02-2025	354	154	52	14	12	CLEAR 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	
02-02-2025	03-02-2025	385	200	60	16	14	CLOUDY SKY/MODERATE BREEZE
16-02-2025	17-02-2025	367	165	51	15	13	CLEAR 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	
02-02-2025	03-02-2025	396	190	62	17	13	CLOUDY SKY/MODERATE BREEZE
16-02-2025	17-02-2025	361	166	50	16	14	CLEAR 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	
03-02-2025	04-02-2025	65	54	18	14	CLEAR SKY/ LIGHT BREEZE
04-02-2025	05-02-2025	68	59	16	13	CLEAR SKY/MODERATE BREEZE
10-02-2025	11-02-2025	70	50	13	11	CLEAR SKY/ LIGHT BREEZE
11-02-2025	12-02-2025	66	54	15	12	CLEAR SKY /MODERATE BREEZE
17-02-2025	18-02-2025	60	46	15	12	CLEAR SKY/LIGHT BREEZE
18-02-2025	19-02-2025	62	49	16	13	CLEAR SKY /MODERATE BREEZE
24-02-2025	25-02-2025	67	55	14	12	CLEAR SKY/ LIGHT BREEZE
25-02-2025	26-02-2025	68	48	13	10	CLEAR SKY/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:	16-02-25 TO 15-03-25

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
11-02-2025	7.94	46	36	BDL
26-02-2025	7.30	50	32	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
11-02-2025	7.62	48	28	BDL
26-02-2025	7.34	54	24	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
11-02-2025	36	8.4
26-02-2025	42	9.6
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE:		MMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	12-02-2025	55.8	53.7
FEB'25	25-02-2025	56.2	53.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

KUCHNA COLONY		MMON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	12-02-2025	45.5	44.3
FEB'25	25-02-2025	43.3	41.0
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



FEBRUARY 2025

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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/FEB-25/52	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

PIT OFFICE MYOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
02-02-2025	03-02-2025	400	204	65	20	CLOUDY SKY/ MODERATE BREEZE
16-02-2025	17-02-2025	392	212	67	24	CLEAR 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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-02-2025	04-02-2025	65	48	14	12	CLEAR SKY/ LIGHT BREEZE
04-02-2025	05-02-2025	70	52	15	13	CLEAR SKY/MODERATE BREEZE
10-02-2025	11-02-2025	64	54	18	14	CLEAR SKY/ LIGHT BREEZE
11-02-2025	12-02-2025	60	44	14	11	CLEAR SKY /MODERATE BREEZE
17-02-2025	18-02-2025	68	50	14	12	CLEAR SKY/LIGHT BREEZE
18-02-2025	19-02-2025	70	51	15	13	CLEAR SKY /MODERATE BREEZE
24-02-2025	25-02-2025	69	52	17	14	CLEAR SKY/ LIGHT BREEZE
25-02-2025	26-02-2025	64	50	12	10	CLEAR SKY/MODERATE 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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-02-2025	04-02-2025	58	52	12	10	CLEAR SKY/ LIGHT BREEZE
04-02-2025	05-02-2025	66	50	14	12	CLEAR SKY/MODERATE BREEZE
10-02-2025	11-02-2025	60	48	17	13	CLEAR SKY/ LIGHT BREEZE
11-02-2025	12-02-2025	67	56	14	12	CLEAR SKY /MODERATE BREEZE
17-02-2025	18-02-2025	68	46	14	11	CLEAR SKY/LIGHT BREEZE
18-02-2025	19-02-2025	67	48	14	12	CLEAR SKY /MODERATE BREEZE
24-02-2025	25-02-2025	60	51	18	15	CLEAR SKY/ LIGHT BREEZE
25-02-2025	26-02-2025	66	50	15	12	CLEAR SKY/MODERATE 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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-02-2025	04-02-2025	70	50	15	11	CLEAR SKY/ LIGHT BREEZE
04-02-2025	05-02-2025	65	47	18	14	CLEAR SKY/MODERATE BREEZE
10-02-2025	11-02-2025	62	51	14	12	CLEAR SKY/ LIGHT BREEZE
11-02-2025	12-02-2025	68	48	12	10	CLEAR SKY /MODERATE BREEZE
17-02-2025	18-02-2025	70	52	14	12	CLEAR SKY/LIGHT BREEZE
18-02-2025	19-02-2025	68	57	13	10	CLEAR SKY /MODERATE BREEZE
24-02-2025	25-02-2025	65	52	14	12	CLEAR SKY/ LIGHT BREEZE
25-02-2025	26-02-2025	64	49	16	14	CLEAR SKY/MODERATE 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
07-02-2025	08-02-2025	410	212	68	21	CLEAR SKY/ MODERATE BREEZE
21-02-2025	22-02-2025	400	206	60	22	CLEAR SKY/ MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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: 16-02-25 TO 15-03-25

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
11-02-2025	7.76	36	40	BDL
26-02-2025	7.82	40	36	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
11-02-2025	7.74	30	48	BDL
26-02-2025	7.84	38	52	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
11-02-2025	7.58	32	52	BDL
26-02-2025	7.28	56	40	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	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
11-02-2025	50	9.0
26-02-2025	34	10.8
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

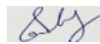
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE		MYON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	12-02-2025	57.5	54.8
FEB'25	25-02-2025	54.2	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
FEB'25	12-02-2025	43.9	41.6
FEB'25	25-02-2025	43.6	41.3
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



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/1	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

PROJECT MANAGER OFFICE NAUA1							
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	
02-02-2025	03-02-2025	372	202	48	37	21	CLEAR/LIGHT BREEZE
16-02-2025	17-02-2025	375	213	60	40	22	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH FEBember 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE NAUA2							
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		
03-02-2025	04-02-2025	84	39	32	BDL		CLEAR/CALM
04-02-2025	05-02-2025	78	45	34	BDL		CLEAR/WINDY
10-02-2025	11-02-2025	82	50	36	BDL		CLOUDY/LIGHT BREEZE
11-02-2025	12-02-2025	70	35	25	BDL		CLEAR/CALM
17-02-2025	18-02-2025	88	43	28	BDL		CLEAR/LIGHT BREEZE
18-02-2025	19-02-2025	79	49	37	BDL		CLEAR/LIGHT BREEZE
24-02-2025	25-02-2025	84	55	32	BDL		CLEAR/MODERATE BREEZE
25-02-2025	26-02-2025	73	46	26	BDL		CLEAR/LIGHT BREEZE
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		
15-02-2025	16-02-2025	84	42	29	BDL		CLEAR/CALM
28-02-2025	01-03-2025	78	40	32	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		
15-02-2025	16-02-2025	82	37	30	BDL		CLEAR/CALM
28-02-2025	01-03-2025	71	44	31	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

R. Anupama

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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:	16-02-25 TO 15-03-25

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
03-02-2025	7.78	18	24	BDL
16-02-2025	7.28	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, FEB-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: NAUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	11-02-2025	56.9	54.5
FEB'25	25-02-2025	54.2	53.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

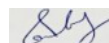
COLONY (SAONER): NSNUN4			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	11-02-2025	44.3	42.8
FEB'25	25-02-2025	43.2	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

KOTODI VILLAGE NAUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	11-02-2025	43.5	40.8
FEB'25	25-02-2025	43.6	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

PATHAKAKHEDI GP OFFICE NAUN3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	11-02-2025	42.7	40.6
FEB'25	25-02-2025	44.2	43.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

Amalgamation of Kamptee Deep & Inder OC

NAGPUR AREA

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FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/FEB-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	
				16-02-25 TO 15-03-25	

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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-02-2025	08-02-2025	378	197	55	36	21	CLOUDY/WINDY
21-02-2025	22-02-2025	372	210	60	41	20	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-02-2025	09-02-2025	363	206	60	41	21	CLEAR/WINDY
22-02-2025	23-02-2025	374	219	58	39	20	CLEAR/WINDY
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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-02-2025	08-02-2025	367	207	57	38	20	CLOUDY/WINDY
21-02-2025	22-02-2025	378	221	59	40	21	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-02-2025	06-02-2025	80	35	28	BDL		CLEAR/WINDY
06-02-2025	07-02-2025	74	41	30	BDL		CLOUDY/WINDY
12-02-2025	13-02-2025	78	46	32	BDL		CLOUDY/WINDY
13-02-2025	14-02-2025	66	31	24	BDL		CLEAR/CALM
19-02-2025	20-02-2025	84	39	26	BDL		CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	75	45	33	BDL		CLEAR/LIGHT BREEZE
26-02-2025	27-02-2025	80	51	28	BDL		CLEAR/WINDY
27-02-2025	28-02-2025	69	42	35	BDL		CLEAR/LIGHT BREEZE
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-02-2025	06-02-2025	75	30	23	BDL		CLEAR/WINDY
06-02-2025	07-02-2025	69	36	25	BDL		CLOUDY/WINDY
12-02-2025	13-02-2025	73	41	27	BDL		CLOUDY/WINDY
13-02-2025	14-02-2025	61	46	37	BDL		CLEAR/CALM
19-02-2025	20-02-2025	79	34	31	BDL		CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	70	40	28	BDL		CLEAR/LIGHT BREEZE
26-02-2025	27-02-2025	75	46	23	BDL		CLEAR/WINDY
27-02-2025	28-02-2025	64	37	30	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:		16-02-25 TO 15-03-25

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
08-02-2025	7.37	20	24	BDL
21-02-2025	7.58	22	32	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
08-02-2025	7.67	22	28	BDL
21-02-2025	7.65	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, DEC-2015
SAMPLING METHOD	LSOP 6

RC OFFICE: NION1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	44.9	42.9
FEB'25	25-02-2025	44.2	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP NKCNI		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	69.7	68.4
FEB'25	25-02-2025	69.9	67.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY KAMTEE NKCNI		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	43.9	41.6
FEB'25	25-02-2025	43.9	41.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMTEE VILLAGE NKCNI		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	41.8	40.7
FEB'25	25-02-2025	42.6	40.8
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/FEB-25/2	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
08-02-2025	09-02-2025	368	198	45	32	20	CLEAR/WINDY
22-02-2025	23-02-2025	361	212	51	36	21	CLEAR/WINDY
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
03-02-2025	04-02-2025	78	33	26	BDL		CLEAR/CALM
04-02-2025	05-02-2025	72	39	28	BDL		CLEAR/WINDY
10-02-2025	11-02-2025	76	44	30	BDL		CLOUDY/LIGHT BREEZE
11-02-2025	12-02-2025	64	49	34	BDL		CLEAR/CALM
17-02-2025	18-02-2025	82	37	34	BDL		CLEAR/LIGHT BREEZE
18-02-2025	19-02-2025	73	43	31	BDL		CLEAR/LIGHTBREEZE
24-02-2025	25-02-2025	78	49	26	BDL		CLEAR/MODERATE BREEZE
25-02-2025	26-02-2025	67	40	33	BDL		CLEAR/LIGHT BREEZE
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
03-02-2025	04-02-2025	82	37	30	BDL		CLEAR/CALM
04-02-2025	05-02-2025	76	43	32	BDL		CLEAR/WINDY
10-02-2025	11-02-2025	80	48	34	BDL		CLOUDY/LIGHT BREEZE
11-02-2025	12-02-2025	68	33	26	BDL		CLEAR/CALM
17-02-2025	18-02-2025	86	41	38	BDL		CLEAR/LIGHT BREEZE
18-02-2025	19-02-2025	77	47	35	BDL		CLEAR/LIGHT BREEZE
24-02-2025	25-02-2025	82	53	30	BDL		CLEAR/MODERATE BREEZE
25-02-2025	26-02-2025	71	44	24	BDL		CLEAR/LIGHT BREEZE
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
03-02-2025	04-02-2025	83	38	31	BDL		CLEAR/CALM
04-02-2025	05-02-2025	77	44	33	BDL		CLEAR/WINDY
10-02-2025	11-02-2025	81	49	35	BDL		CLOUDY/LIGHT BREEZE
11-02-2025	12-02-2025	69	34	24	BDL		CLEAR/CALM
17-02-2025	18-02-2025	87	42	27	BDL		CLEAR/LIGHT BREEZE
18-02-2025	19-02-2025	78	48	36	BDL		CLEAR/LIGHT BREEZE
24-02-2025	25-02-2025	83	54	31	BDL		CLEAR/MODERATE BREEZE
25-02-2025	26-02-2025	72	45	25	BDL		CLEAR/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:	16-02-25 TO 15-03-25

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
09-02-2025	7.77	20	28	BDL
22-02-2025	7.51	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 PROCTOCOL 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
FEB'25	11-02-2025	44.2	42.3
FEB'25	25-02-2025	44.6	43.3
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
FEB'25	11-02-2025	42.1	40.5
FEB'25	25-02-2025	43.1	41.6
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
FEB'25	11-02-2025	42.7	40.2
FEB'25	25-02-2025	42.8	40.9
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
FEB'25	11-02-2025	41.7	40.3
FEB'25	25-02-2025	43.2	41.4
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



FEBRUARY 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/FEB-25/5	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

DUMRI KHURD NDRSA1						
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
08-02-2025	09-02-2025	371	203	51	39	20
22-02-2025	23-02-2025	368	215	56	41	22
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-02-2025	06-02-2025	86	41	34	BDL	CLEAR/WINDY
06-02-2025	07-02-2025	80	47	36	BDL	CLOUDY/WINDY
12-02-2025	13-02-2025	84	52	38	BDL	CLOUDY/WINDY
13-02-2025	14-02-2025	72	37	27	BDL	CLEAR/CALM
19-02-2025	20-02-2025	90	45	30	BDL	CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	81	51	25	BDL	CLEAR/LIGHT BREEZE
26-02-2025	27-02-2025	86	57	34	BDL	CLEAR/WINDY
27-02-2025	28-02-2025	75	48	28	BDL	CLEAR/LIGHT BREEZE
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-02-2025	06-02-2025	79	34	24	BDL	CLEAR/WINDY
06-02-2025	07-02-2025	73	40	29	BDL	CLOUDY/WINDY
12-02-2025	13-02-2025	77	45	31	BDL	CLOUDY/WINDY
13-02-2025	14-02-2025	65	38	33	BDL	CLEAR/CALM
19-02-2025	20-02-2025	83	38	25	BDL	CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	74	44	32	BDL	CLEAR/LIGHT BREEZE
26-02-2025	27-02-2025	79	50	27	BDL	CLEAR/WINDY
27-02-2025	28-02-2025	68	41	34	BDL	CLEAR/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

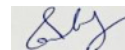
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

STATION MANAGER OFFICE		NKC1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	11-02-2025	44.8	42.1
FEB'25	25-02-2025	44.6	42.6
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
FEB'25	11-02-2025	42.8	40.1
FEB'25	25-02-2025	42.6	40.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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GONDEGAON OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/3	DATE OF ISSUE	25-03-2025
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:	16-02-25 TO 15-03-25	

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
07-02-2025	08-02-2025	373	201	53	34	20
21-02-2025	22-02-2025	384	208	51	37	21
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH FEBember 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)
05-02-2025	06-02-2025	81	36	29	BDL	CLEAR/WINDY
06-02-2025	07-02-2025	75	42	31	BDL	CLOUDY/WINDY
12-02-2025	13-02-2025	79	47	33	BDL	CLOUDY/WINDY
13-02-2025	14-02-2025	67	32	25	BDL	CLEAR/CALM
19-02-2025	20-02-2025	85	40	29	BDL	CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	76	46	34	BDL	CLEAR/LIGHT BREEZE
26-02-2025	27-02-2025	81	52	37	BDL	CLEAR/WINDY
27-02-2025	28-02-2025	70	43	36	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

COLONY GUEST HOUSE/FILTER PLANT NGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
07-02-2025	08-02-2025	361	204	54	37	21
21-02-2025	22-02-2025	370	216	57	39	22
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH FEBember 2000		600	300	-	120	120

GHATROHNA VILLAGE NGOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
05-02-2025	06-02-2025	77	32	25	BDL	CLEAR/WINDY
06-02-2025	07-02-2025	71	38	27	BDL	CLOUDY/WINDY
12-02-2025	13-02-2025	75	43	29	BDL	CLOUDY/WINDY
13-02-2025	14-02-2025	63	48	35	BDL	CLEAR/CALM
19-02-2025	20-02-2025	81	36	26	BDL	CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	72	42	30	BDL	CLEAR/LIGHT BREEZE
26-02-2025	27-02-2025	77	48	25	BDL	CLEAR/WINDY
27-02-2025	28-02-2025	66	39	32	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

A. Anupurna

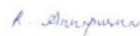
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-02-25 TO 15-03-25

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
08-02-2025	7.34	18	20	BDL
21-02-2025	7.48	20	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
08-02-2025	7.34	20	28	BDL
21-02-2025	7.62	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	
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NOISE LEVEL MONITORING DATA

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

CHP NGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	69.8	67.8
FEB'25	25-02-2025	68.7	65.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GONDEGAON VILLAGE/COLONY NGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	43.7	41.5
FEB'25	25-02-2025	42.7	41.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE: NKC3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	41.8	40.7
FEB'25	25-02-2025	42.6	40.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

GONDEGAON OC

NAGPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/3	DATE OF ISSUE	25-03-2025
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:	16-02-25 TO 15-03-25	

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
07-02-2025	08-02-2025	373	201	53	34	20
21-02-2025	22-02-2025	384	208	51	37	21
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH FEBember 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)
05-02-2025	06-02-2025	81	36	29	BDL	CLEAR/WINDY
06-02-2025	07-02-2025	75	42	31	BDL	CLOUDY/WINDY
12-02-2025	13-02-2025	79	47	33	BDL	CLOUDY/WINDY
13-02-2025	14-02-2025	67	32	25	BDL	CLEAR/CALM
19-02-2025	20-02-2025	85	40	29	BDL	CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	76	46	34	BDL	CLEAR/LIGHT BREEZE
26-02-2025	27-02-2025	81	52	37	BDL	CLEAR/WINDY
27-02-2025	28-02-2025	70	43	36	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

COLONY GUEST HOUSE/FILTER PLANT NGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
07-02-2025	08-02-2025	361	204	54	37	21
21-02-2025	22-02-2025	370	216	57	39	22
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH FEBember 2000		600	300	-	120	120

GHATROHNA VILLAGE NGOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
05-02-2025	06-02-2025	77	32	25	BDL	CLEAR/WINDY
06-02-2025	07-02-2025	71	38	27	BDL	CLOUDY/WINDY
12-02-2025	13-02-2025	75	43	29	BDL	CLOUDY/WINDY
13-02-2025	14-02-2025	63	48	35	BDL	CLEAR/CALM
19-02-2025	20-02-2025	81	36	26	BDL	CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	72	42	30	BDL	CLEAR/LIGHT BREEZE
26-02-2025	27-02-2025	77	48	25	BDL	CLEAR/WINDY
27-02-2025	28-02-2025	66	39	32	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

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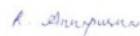
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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:	16-02-25 TO 15-03-25

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
08-02-2025	7.34	18	20	BDL
21-02-2025	7.48	20	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
08-02-2025	7.34	20	28	BDL
21-02-2025	7.62	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	
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NOISE LEVEL MONITORING DATA

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

CHP NGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	69.8	67.8
FEB'25	25-02-2025	68.7	65.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GONDEGAON VILLAGE/COLONY NGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	43.7	41.5
FEB'25	25-02-2025	42.7	41.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE: NKC3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	41.8	40.7
FEB'25	25-02-2025	42.6	40.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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NAGPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/6	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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	
02-02-2025	03-02-2025	369	199	47	34	21	CLEAR/LIGHT BREEZE
16-02-2025	17-02-2025	381	211	53	37	22	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH FEBember 2000		600	300	-	120	120	

SADBHAVANA 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		
15-02-2025	16-02-2025	82	53	38	BDL		CLEAR/CALM
16-02-2025	17-02-2025	77	50	32	BDL		SUNNY/CALM
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		
15-02-2025	16-02-2025	78	49	26	BDL		CLEAR/CALM
16-02-2025	17-02-2025	81	48	24	BDL		SUNNY/CALM
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		
15-02-2025	16-02-2025	89	44	29	BDL		CLEAR/CALM
16-02-2025	17-02-2025	83	46	27	BDL		SUNNY/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:	16-02-25 TO 15-03-25

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
03-02-2025	7.4	22	28	BDL
16-02-2025	7.55	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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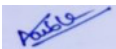
NOISE LEVEL MONITORING DATA

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

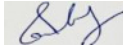
FAN HOUSE		NPTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	11-02-2025	70.9	68.5
FEB'25	25-02-2025	71.8	69.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SADBHAVNA NAGAR FILTER PLANT		NPTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	11-02-2025	43.8	42.4
FEB'25	25-02-2025	44.8	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

SAVARMENDHA VILLAGE		NPTUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	11-02-2025	43.4	41.2
FEB'25	25-02-2025	42.8	41.3
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



FEBRUARY 2025

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/8	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
15-02-2025	16-02-2025	362	205	53	36	21	CLEAR/CALM
28-02-2025	01-03-2025	388	220	57	41	22	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
15-02-2025	16-02-2025	370	208	50	39	20	CLEAR/CALM
28-02-2025	01-03-2025	367	217	56	40	21	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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
15-02-2025	16-02-2025	84	42	29	BDL		CLEAR/CALM
28-02-2025	01-03-2025	78	40	32	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		
15-02-2025	16-02-2025	82	37	30	BDL		CLEAR/CALM
28-02-2025	01-03-2025	71	44	31	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:	16-02-25 TO 15-03-25

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
04-02-2025	7.75	20	28	BDL
25-02-2025	7.3	22	32	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
04-02-2025	7.55	18	24	BDL
25-02-2025	7.36	20	28	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
04-02-2025	7.58	20	24	BDL
25-02-2025	7.38	22	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

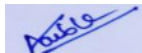
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE-I: NSNUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	71.4	69.9
FEB'25	25-02-2025	70.4	68.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

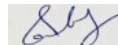
FAN HOUSE-II: NSNUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	70.8	69.2
FEB'25	25-02-2025	69.9	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-III: NSNUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	71.2	68.3
FEB'25	25-02-2025	70.6	69.7
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
FEB'25	11-02-2025	44.3	42.8
FEB'25	25-02-2025	43.2	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



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/9	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-02-2025	10-02-2025	380	200	46	36	20	CLOUDY/WINDY
23-02-2025	24-02-2025	366	209	52	40	19	CLEAR/MODERATE 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-02-2025	10-02-2025	375	209	51	38	21	CLOUDY/WINDY
23-02-2025	24-02-2025	363	218	54	39	22	CLEAR/MODERATE 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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-02-2025	10-02-2025	83	51	33	BDL	CLOUDY/WINDY	
23-02-2025	24-02-2025	79	48	29	BDL	CLEAR/MODERATE 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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-02-2025	10-02-2025	77	49	25	BDL	CLOUDY/WINDY	
23-02-2025	24-02-2025	76	45	27	BDL	CLEAR/MODERATE BREEZE	
NAAQS, 2009		100	60	80	80		

R. Anupurna

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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 :	16-02-25 TO 15-03-25

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
10-02-2025	7.83	18	20	BDL
23-02-2025	7.32	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	 TC-7102
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NOISE LEVEL MONITORING DATA

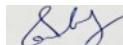
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: NSUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	70.1	68.6
FEB'25	25-02-2025	70.3	67.2
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
FEB'25	11-02-2025	43.6	42.5
FEB'25	25-02-2025	42.8	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

SINGORI OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 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/FEB-25/10	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

MANAGER OFFICE NSOA1							
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	10	2	6	10	
08-02-2025	09-02-2025	377	210	46	40	21	CLEAR/WINDY
22-02-2025	23-02-2025	385	221	53	41	20	CLEAR/WINDY
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-02-2025	04-02-2025	76	31	24	BDL	CLEAR/CALM
04-02-2025	05-02-2025	70	37	26	BDL	CLEAR/WINDY
10-02-2025	11-02-2025	74	42	28	BDL	CLOUDY/LIGHT BREEZE
11-02-2025	12-02-2025	62	47	36	BDL	CLEAR/CALM
17-02-2025	18-02-2025	80	35	32	BDL	CLEAR/LIGHT BREEZE
18-02-2025	19-02-2025	71	41	29	BDL	CLEAR/LIGHT BREEZE
24-02-2025	25-02-2025	76	47	24	BDL	CLEAR/MODERATE BREEZE
25-02-2025	26-02-2025	65	38	31	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

HINGNA VILLAGE NSOA3						
DATE(dd:mm:yy) OF SAMPLING		SPM				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-02-2025	04-02-2025	85	40	33	BDL	CLEAR/CALM
04-02-2025	05-02-2025	79	46	35	BDL	CLEAR/WINDY
10-02-2025	11-02-2025	83	51	37	BDL	CLOUDY/LIGHT BREEZE
11-02-2025	12-02-2025	71	36	26	BDL	CLEAR/CALM
17-02-2025	18-02-2025	89	44	29	BDL	CLEAR/LIGHT BREEZE
18-02-2025	19-02-2025	80	50	24	BDL	CLEAR/LIGHT BREEZE
24-02-2025	25-02-2025	85	56	33	BDL	CLEAR/MODERATE BREEZE
25-02-2025	26-02-2025	74	47	27	BDL	CLEAR/LIGHT BREEZE
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-02-2025	04-02-2025	83	38	31	BDL	CLEAR/CALM
04-02-2025	05-02-2025	77	44	33	BDL	CLEAR/WINDY
10-02-2025	11-02-2025	81	49	35	BDL	CLOUDY/LIGHTBREEZE
11-02-2025	12-02-2025	69	34	24	BDL	CLEAR/CALM
17-02-2025	18-02-2025	87	42	27	BDL	CLEAR/LIGHTBREEZE
18-02-2025	19-02-2025	78	48	36	BDL	CLEAR/LIGHTBREEZE
24-02-2025	25-02-2025	83	54	31	BDL	CLEAR/MODERATE BREEZE
25-02-2025	26-02-2025	72	45	25	BDL	CLEAR/LIGHTBREEZE
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 : 16-02-25 TO 15-03-25

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
09-02-2025	7.75	20	28	BDL
22-02-2025	7.54	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

CONTRACTOR CAMP: NSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	44.6	42.7
FEB'25	25-02-2025	44.7	42.2
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
FEB'25	11-02-2025	41.7	40.3
FEB'25	25-02-2025	43.2	41.4
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
FEB'25	11-02-2025	42.7	40.2
FEB'25	25-02-2025	42.8	40.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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NAGPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/7	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-02-2025	03-02-2025	364	196	55	36	20	CLEAR/LIGHT BREEZE
16-02-2025	17-02-2025	371	212	57	40	21	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH FEBember 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		
15-02-2025	16-02-2025	84	42	29	BDL	CLEAR/CALM	
28-02-2025	01-03-2025	78	40	32	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 :	16-02-25 TO 15-03-25

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
03-02-2025	7.49	18	24	BDL
16-02-2025	7.26	16	20	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

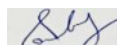
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, FEB-2015
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE		NWUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	46.3	44.7
FEB'25	25-02-2025	49.2	48.1
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
FEB'25	11-02-2025	43.3	42.6
FEB'25	25-02-2025	43.7	42.2
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/FEB-25/11	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

MANAGER OFFICE UM30A1							
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	
03-02-2025	04-02-2025	276	173	51	13	12	Cloudy sky / Calm
25-02-2025	26-02-2025	269	164	48	11	10	Cloudy sky / Calm
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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-02-2025	04-02-2025	285	180	53	15	13	Cloudy sky / Calm
26-02-2025	27-02-2025	270	175	50	14	11	Cloudy sky / Calm
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-02-2025	03-02-2025	85	28	7	BDL	Clear sky/Light breeze
03-02-2025	04-02-2025	87	31	9	BDL	Clear sky/Light breeze
08-02-2025	09-02-2025	86	27	8	BDL	Clear sky/Light breeze
09-02-2025	10-02-2025	89	31	10	BDL	Clear sky/Light breeze
16-02-2025	17-02-2025	91	32	11	10	Clear sky/Light breeze
17-02-2025	18-02-2025	90	30	9	BDL	Clear sky/Light breeze
22-02-2025	23-02-2025	92	31	10	BDL	Clear sky/Light breeze
23-02-2025	24-02-2025	95	34	12	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-02-2025	03-02-2025	87	29	8	BDL	Clear sky/Light breeze
03-02-2025	04-02-2025	83	27	6	BDL	Clear sky/Light breeze
08-02-2025	09-02-2025	84	25	8	BDL	Clear sky/Light breeze
09-02-2025	10-02-2025	86	29	9	BDL	Clear sky/Light breeze
16-02-2025	17-02-2025	90	31	8	BDL	Clear sky/Light breeze
17-02-2025	18-02-2025	92	32	9	BDL	Clear sky/Light breeze
22-02-2025	23-02-2025	93	33	10	BDL	Clear sky/Light breeze
23-02-2025	24-02-2025	94	35	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 : 16-02-25 TO 15-03-25

MINE WATER DISCHARGE: UM3OW1		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
03-02-2025	7.78	28	36	BDL
25-02-2025	7.56	31	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM3OW2		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
03-02-2025	7.24	19	28	BDL
25-02-2025	7.70	23	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

PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	10-02-2025	63.8	58.4
FEB'25	24-02-2025	64.4	57.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

HEOTI VILLAGE: UM10N3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	10-02-2025	48.2	43.8
FEB'25	24-02-2025	49.2	43.3
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/FEB-25/11	DATE OF ISSUE	25-03-2025
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:	16-02-25 TO 15-03-25	

CONTRACTOR CAMP UGOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
		5	5	2	6	10
04-02-2025	05-02-2025	279	168	48	14	12
26-02-2025	27-02-2025	285	176	52	15	13
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6		10
04-02-2025	05-02-2025	85	28	8	BDL	Clear sky / Light breeze
05-02-2025	06-02-2025	90	31	10	BDL	Clear sky / Light breeze
10-02-2025	11-02-2025	92	33	11	10	Clear sky / Light breeze
11-02-2025	12-02-2025	89	29	9	BDL	Clear sky / Light breeze
18-02-2025	19-02-2025	90	30	8	BDL	Clear sky / Light breeze
19-02-2025	20-02-2025	91	32	10	BDL	Clear sky / Light breeze
24-02-2025	25-02-2025	93	35	11	10	Clear sky / Light breeze
25-02-2025	26-02-2025	95	33	10	BDL	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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6		10
04-02-2025	05-02-2025	83	27	8	BDL	Clear sky / Light breeze
05-02-2025	06-02-2025	87	29	9	BDL	Clear sky / Light breeze
10-02-2025	11-02-2025	90	32	10	BDL	Clear sky / Light breeze
11-02-2025	12-02-2025	91	31	9	BDL	Clear sky / Light breeze
18-02-2025	19-02-2025	89	30	8	BDL	Clear sky / Light breeze
19-02-2025	20-02-2025	90	32	9	BDL	Clear sky / Light breeze
24-02-2025	25-02-2025	92	34	12	11	Clear sky / Light breeze
25-02-2025	26-02-2025	94	33	11	10	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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6		10
04-02-2025	05-02-2025	89	29	9	BDL	Clear sky / Light breeze
05-02-2025	06-02-2025	90	30	10	BDL	Clear sky / Light breeze
10-02-2025	11-02-2025	92	31	9	BDL	Clear sky / Light breeze
11-02-2025	12-02-2025	91	32	11	10	Clear sky / Light breeze
18-02-2025	19-02-2025	89	30	9	BDL	Clear sky / Light breeze
19-02-2025	20-02-2025	92	33	12	11	Clear sky / Light breeze
24-02-2025	25-02-2025	93	34	11	10	Clear sky / Light breeze
25-02-2025	26-02-2025	90	31	10	BDL	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
		5	5	2	6	10
04-02-2025	05-02-2025	283	172	55	15	13
26-02-2025	27-02-2025	290	184	58	17	14
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:		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-02-25 TO 15-03-25

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
04-02-2025	7.11	31	44	BDL
26-02-2025	7.58	29	40	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
04-02-2025	7.29	27	36	BDL
26-02-2025	7.8	21	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

PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	63.8	62.3
FEB'25	24-02-2025	64.4	61.7
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
FEB'25	10-02-2025	59.5	55.5
FEB'25	24-02-2025	61.5	54.9
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
FEB'25	10-02-2025	47.5	44.1
FEB'25	24-02-2025	48.5	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 2025

Environment Laboratory

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/FEB-25/34	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

PIT OFFICE		UM10A1				
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
02-02-2025	03-02-2025	275	169	46	13	11
24-02-2025	25-02-2025	263	158	43	11	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

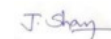
KALMANA VILLAGE		UM10A2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-02-2025	03-02-2025	85	27	7	BDL	Clear sky/Light breeze
03-02-2025	04-02-2025	87	29	8	BDL	Clear sky/Light breeze
08-02-2025	09-02-2025	89	30	9	BDL	Clear sky/Light breeze
09-02-2025	10-02-2025	91	32	10	BDL	Clear sky/Light breeze
16-02-2025	17-02-2025	88	31	11	10	Clear sky/Light breeze
17-02-2025	18-02-2025	92	34	12	11	Clear sky/Light breeze
22-02-2025	23-02-2025	93	33	10	BDL	Clear sky/Light breeze
23-02-2025	24-02-2025	95	32	9	BDL	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	
02-02-2025	03-02-2025	84	25	7	BDL	Clear sky/Light breeze
03-02-2025	04-02-2025	87	28	8	BDL	Clear sky/Light breeze
08-02-2025	09-02-2025	90	32	10	BDL	Clear sky/Light breeze
09-02-2025	10-02-2025	89	30	8	BDL	Clear sky/Light breeze
16-02-2025	17-02-2025	93	31	9	BDL	Clear sky/Light breeze
17-02-2025	18-02-2025	94	32	10	BDL	Clear sky/Light breeze
22-02-2025	23-02-2025	90	30	9	BDL	Clear sky/Light breeze
23-02-2025	24-02-2025	91	33	11	10	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

KHURSAPUR VILLAGE UM10A4						
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	
02-02-2025	03-02-2025	88	28	8	BDL	Clear sky/Light breeze
03-02-2025	04-02-2025	90	30	9	BDL	Clear sky/Light breeze
08-02-2025	09-02-2025	92	33	10	BDL	Clear sky/Light breeze
09-02-2025	10-02-2025	89	28	8	BDL	Clear sky/Light breeze
16-02-2025	17-02-2025	92	32	10	BDL	Clear sky/Light breeze
17-02-2025	18-02-2025	90	31	11	BDL	Clear sky/Light breeze
22-02-2025	23-02-2025	89	30	9	BDL	Clear sky/Light breeze
23-02-2025	24-02-2025	93	34	12	10	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

HEOTI VILLAGE UM10A5						
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	
02-02-2025	03-02-2025	90	29	8	BDL	Clear sky/Light breeze
03-02-2025	04-02-2025	91	32	10	BDL	Clear sky/Light breeze
08-02-2025	09-02-2025	93	29	9	BDL	Clear sky/Light breeze
09-02-2025	10-02-2025	95	34	12	11	Clear sky/Light breeze
16-02-2025	17-02-2025	90	32	10	BDL	Clear sky/Light breeze
17-02-2025	18-02-2025	92	33	11	10	Clear sky/Light breeze
22-02-2025	23-02-2025	94	32	10	BDL	Clear sky/Light breeze
23-02-2025	24-02-2025	93	31	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 $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	
FROM	TO	5	5	2	6	10
03-02-2025	04-02-2025	293	183	57	16	14
26-02-2025	27-02-2025	285	179	53	14	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120



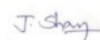
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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 :	16-02-25 TO 15-03-25

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
03-02-2025	7.29	33	44	BDL
25-02-2025	7.61	29	36	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
03-02-2025	7.3	21	32	BDL
25-02-2025	7.78	31	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE: UM10N1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	62.7	61.4
FEB'25	24-02-2025	63.3	60.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	46.6	42.6
FEB'25	24-02-2025	47.5	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	10-02-2025	48.2	43.8
FEB'25	24-02-2025	49.2	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


Amol Kamble
Reviewed by


M. Rabbani
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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-II OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 2025



Environment Laboratory

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**REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/14	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

NEAR MANAGER OFFICE UMOA1						
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
02-02-2025	03-02-2025	278	173	53	13	12
24-02-2025	25-02-2025	286	182	55	15	13
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
03-02-2025	04-02-2025	282	169	48	12	11
25-02-2025	26-02-2025	268	153	42	11	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

KANWA VILLAGE UUA3						
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	
04-02-2025	05-02-2025	85	25	7	BDL	Clear sky / Light breeze
05-02-2025	06-02-2025	87	28	8	BDL	Clear sky / Light breeze
10-02-2025	11-02-2025	89	31	9	BDL	Clear sky / Light breeze
11-02-2025	12-02-2025	91	33	10	BDL	Clear sky / Light breeze
18-02-2025	19-02-2025	94	34	11	10	Clear sky / Light breeze
19-02-2025	20-02-2025	90	30	9	BDL	Clear sky / Light breeze
24-02-2025	25-02-2025	89	28	8	BDL	Clear sky / Light breeze
25-02-2025	26-02-2025	92	31	10	BDL	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY UUA4						
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	
04-02-2025	05-02-2025	88	28	8	BDL	Clear sky / Light breeze
05-02-2025	06-02-2025	90	31	10	BDL	Clear sky / Light breeze
10-02-2025	11-02-2025	92	33	11	10	Clear sky / Light breeze
11-02-2025	12-02-2025	90	30	8	BDL	Clear sky / Light breeze
18-02-2025	19-02-2025	93	31	9	BDL	Clear sky / Light breeze
19-02-2025	20-02-2025	95	34	12	11	Clear sky / Light breeze
24-02-2025	25-02-2025	92	32	10	BDL	Clear sky / Light breeze
25-02-2025	26-02-2025	90	31	9	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

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
FEB'25	10-02-2025	63.5	59.6
FEB'25	24-02-2025	64.8	59.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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JOB NO. 4094423068



FEBRUARY 2025

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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/FEB-25/15	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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	
05-02-2025	06-02-2025	265	154	45	12	10	Cloudy sky / Calm
16-02-2025	17-02-2025	273	167	48	13	11	Cloudy sky / Calm
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	
05-02-2025	06-02-2025	280	172	2	14	12	Cloudy sky / Calm
16-02-2025	17-02-2025	289	175	54	16	14	Cloudy sky / Calm
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		
05-02-2025	06-02-2025	89	32	10	BDL	Cloudy sky / Calm	
16-02-2025	17-02-2025	92	34	11	BDL	Cloudy sky / Calm	
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		
05-02-2025	06-02-2025	93	33	11	BDL	Cloudy sky / Calm	
16-02-2025	17-02-2025	95	35	12	BDL	Cloudy 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

FAN HOUSE:		UMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
		20	20
FEB'25	10-02-2025	56.2	50.8
FEB'25	24-02-2025	57.1	48.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
		20	20
FEB'25	10-02-2025	41.7	39.8
FEB'25	24-02-2025	42.8	38.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
Reviewed by



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ENVIRONMENTAL MONITORING REPORT

UMRER OC

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FEBRUARY 2025

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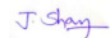
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/FEB-25/16		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-III)-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 : LSP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-02-25 TO 15-03-25	

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
02-02-2025	03-02-2025	285	174	51	15	13
24-02-2025	25-02-2025	273	163	47	14	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						
Cloudy sky / Calm						
Cloudy sky / Calm						

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
02-02-2025	03-02-2025	265	159	45	13	12
24-02-2025	25-02-2025	259	146	43	12	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						
Cloudy sky / Calm						
Cloudy sky / Calm						

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	
04-02-2025	05-02-2025	85	25	7	BDL	Clear sky / Light breeze
05-02-2025	06-02-2025	87	28	8	BDL	Clear sky / Light breeze
10-02-2025	11-02-2025	89	31	9	BDL	Clear sky / Light breeze
11-02-2025	12-02-2025	91	33	10	BDL	Clear sky / Light breeze
18-02-2025	19-02-2025	94	34	11	10	Clear sky / Light breeze
19-02-2025	20-02-2025	90	30	9	BDL	Clear sky / Light breeze
24-02-2025	25-02-2025	89	28	8	BDL	Clear sky / Light breeze
25-02-2025	26-02-2025	92	31	10	BDL	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	
04-02-2025	05-02-2025	88	28	8	BDL	Clear sky / Light breeze
05-02-2025	06-02-2025	90	31	10	BDL	Clear sky / Light breeze
10-02-2025	11-02-2025	92	33	11	10	Clear sky / Light breeze
11-02-2025	12-02-2025	90	30	8	BDL	Clear sky / Light breeze
18-02-2025	19-02-2025	93	31	9	BDL	Clear sky / Light breeze
19-02-2025	20-02-2025	95	34	12	11	Clear sky / Light breeze
24-02-2025	25-02-2025	92	32	10	BDL	Clear sky / Light breeze
25-02-2025	26-02-2025	90	31	9	BDL	Clear sky / 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 :	16-02-25 TO 15-03-25

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
02-02-2025	7.87	25	36	BDL
16-02-2025	7.51	23	32	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
02-02-2025	7.33	21	28	BDL
16-02-2025	7.62	19	24	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
02-02-2025	18	10.7
16-02-2025	24	11.9
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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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
FEB'25	10-02-2025	66.5	62.5
FEB'25	24-02-2025	67.7	61.9
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
FEB'25	10-02-2025	48.6	43.7
FEB'25	24-02-2025	49.6	44.1
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



FEBRUARY 2025

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TEST REPORT NO.	RIN/TR/FEB-25/17	DATE OF ISSUE	25-03-2025
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:	16-02-25 TO 15-03-25	

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	
09-02-2025	10-02-2025	321	216	62	21	13	CLEAR/CALM
23-02-2025	24-02-2025	347	221	64	24	15	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	
09-02-2025	10-02-2025	332	221	63	23	14	CLEAR/CALM
23-02-2025	24-02-2025	313	208	61	21	12	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		
03-02-2025	04-02-2025	68	40	14	10		CLEAR/CALM
04-02-2025	05-02-2025	75	34	17	11		CLEAR/CALM
10-02-2025	11-02-2025	69	42	16	BDL		CLEAR/CALM
11-02-2025	12-02-2025	84	35	13	BDL		CLEAR/CALM
17-02-2025	18-02-2025	82	30	18	BDL		CLEAR/CALM
18-02-2025	19-02-2025	91	37	16	10		CLEAR/CALM
24-02-2025	25-02-2025	86	33	14	BDL		CLEAR/CALM
25-02-2025	26-02-2025	77	42	15	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		
03-02-2025	04-02-2025	83	38	16	BDL		CLEAR/CALM
04-02-2025	05-02-2025	84	42	14	BDL		CLEAR/CALM
10-02-2025	11-02-2025	72	34	18	12		CLEAR/CALM
11-02-2025	12-02-2025	92	44	15	BDL		CLEAR/CALM
17-02-2025	18-02-2025	70	33	17	11		CLEAR/CALM
18-02-2025	19-02-2025	88	37	16	10		CLEAR/CALM
24-02-2025	25-02-2025	85	34	15	BDL		CLEAR/CALM
25-02-2025	26-02-2025	76	32	14	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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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)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	09-02-2025	67.6	66.2
FEB'25	21-02-2025	66.2	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	09-02-2025	45.5	44.2
FEB'25	21-02-2025	44.8	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

KOLGAON OC

WANI AREA

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FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/18	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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	
08-02-2025	09-02-2025	318	198	61	21	10	CLEAR/CALM
22-02-2025	23-02-2025	337	222	64	24	14	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	
08-02-2025	09-02-2025	319	212	61	23	12	CLEAR/CALM
22-02-2025	23-02-2025	333	229	66	27	14	CLEAR/CALM
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	
05-02-2025	06-02-2025	93	35	16	BDL	CLEAR/CALM
06-02-2025	07-02-2025	85	41	14	BDL	CLEAR/CALM
12-02-2025	13-02-2025	77	33	18	12	CLEAR/CALM
13-02-2025	14-02-2025	68	36	15	10	CLEAR/CALM
19-02-2025	20-02-2025	72	30	17	BDL	CLEAR/CALM
20-02-2025	21-02-2025	76	38	16	BDL	CLEAR/CALM
26-02-2025	27-02-2025	84	37	18	12	CLEAR/CALM
27-02-2025	28-02-2025	92	39	15	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

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	
05-02-2025	06-02-2025	85	33	18	12	CLEAR/CALM
06-02-2025	07-02-2025	82	38	17	13	CLEAR/CALM
12-02-2025	13-02-2025	69	40	15	10	CLEAR/CALM
13-02-2025	14-02-2025	88	38	14	BDL	CLEAR/CALM
19-02-2025	20-02-2025	79	37	16	10	CLEAR/CALM
20-02-2025	21-02-2025	84	37	15	BDL	CLEAR/CALM
26-02-2025	27-02-2025	84	34	14	BDL	CLEAR/CALM
27-02-2024	28-02-2025	77	36	15	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:	16-02-25 TO 15-03-25

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
12-02-2025	7.1	52	44	BDL
19-02-2025	8.05	58	48	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, OCT-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		WKON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	53.5	52.3
FEB'25	21-02-2025	52.2	51.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI):		WKON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	45.6	44.2
FEB'25	21-02-2025	44.7	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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TEST REPORT NO.	RIN/TR/FEB-25/19	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

SUBSTATION WMOA1						
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
08-02-2025	09-02-2025	309	226	62	23	10
22-02-2025	23-02-2025	337	202	65	21	12
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
08-02-2025	09-02-2025	319	212	61	23	12
22-02-2025	23-02-2025	333	229	66	27	14
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	
05-02-2025	06-02-2025	85	33	18	12	CLEAR/CALM
06-02-2025	07-02-2025	82	38	17	13	CLEAR/CALM
12-02-2025	13-02-2025	69	40	15	10	CLEAR/CALM
13-02-2025	14-02-2025	88	38	14	BDL	CLEAR/CALM
19-02-2025	20-02-2025	79	37	16	10	CLEAR/CALM
20-02-2025	21-02-2025	84	37	15	BDL	CLEAR/CALM
26-02-2025	27-02-2025	84	34	14	BDL	CLEAR/CALM
27-02-2025	28-02-2025	77	36	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	
05-02-2025	06-02-2025	87	35	15	BDL	CLEAR/CALM
06-02-2025	07-02-2025	84	34	18	12	CLEAR/CALM
12-02-2025	13-02-2025	70	42	16	BDL	CLEAR/CALM
13-02-2025	14-02-2025	75	42	14	11	CLEAR/CALM
19-02-2025	20-02-2025	66	35	13	BDL	CLEAR/CALM
20-02-2025	21-02-2025	75	38	15	10	CLEAR/CALM
26-02-2025	27-02-2025	79	42	18	12	CLEAR/CALM
27-02-2025	28-02-2025	86	38	14	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:	16-02-25 TO 15-03-25

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
12-02-2025	7.91	44	40	BDL
19-02-2025	8.19	56	48	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
12-02-2025	7.95	42	36	BDL
19-02-2025	7.98	38	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, 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
FEB'25	09-02-2025	67.2	66.4
FEB'25	21-02-2025	66.4	65.3
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
FEB'25	09-02-2025	45.6	44.2
FEB'25	21-02-2025	44.7	43.2
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/FEB-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 : LSP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-02-25 TO 15-03-25	

SAM OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-02-2025	10-02-2025	295	197	60	20	12	CLEAR/CALM
23-02-2025	24-02-2025	334	224	63	22	14	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	
09-02-2025	10-02-2025	331	218	64	24	11	CLEAR/CALM
23-02-2025	24-02-2025	298	207	60	21	10	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-02-2025	04-02-2025	68	33	16	BDL		CLEAR/CALM
04-02-2025	05-02-2025	73	41	17	10		CLEAR/CALM
10-02-2025	11-02-2025	74	40	15	BDL		CLEAR/CALM
11-02-2025	12-02-2025	91	35	13	BDL		CLEAR/CALM
17-02-2025	18-02-2025	88	38	18	BDL		CLEAR/CALM
18-02-2025	19-02-2025	78	33	14	BDL		CLEAR/CALM
24-02-2025	25-02-2025	71	41	15	11		CLEAR/CALM
25-02-2025	26-02-2025	75	37	20	11		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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-02-2025	04-02-2025	85	42	14	BDL		CLEAR/CALM
04-02-2025	05-02-2025	74	33	16	10		CLEAR/CALM
10-02-2025	11-02-2025	79	40	17	BDL		CLEAR/CALM
11-02-2025	12-02-2025	86	33	15	BDL		CLEAR/CALM
17-02-2025	18-02-2025	74	32	18	BDL		CLEAR/CALM
18-02-2025	19-02-2025	76	34	19	13		CLEAR/CALM
24-02-2025	25-02-2025	87	41	15	12		CLEAR/CALM
25-02-2025	26-02-2025	82	35	14	11		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:	16-02-25 TO 15-03-25

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
10-02-2025	5.16	38	24	BDL
16-02-2025	5.01	42	28	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
10-02-2025	6.74	48	40	BDL
16-02-2025	7.62	52	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

CHP: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	09-02-2025	66.6	65.3
FEB'25	21-02-2025	65.7	64.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	09-02-2025	45.5	44.2
FEB'25	21-02-2025	44.8	43.2
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



FEBRUARY 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/FEB-25/21	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

CIVIL OFFICE- NILJAI WNOA1						
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
09-02-2025	10-02-2025	293	204	60	22	12
23-02-2025	24-02-2025	328	237	64	25	14
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
09-02-2025	10-02-2025	331	218	64	24	11
23-02-2025	24-02-2025	298	207	60	21	10
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 $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-02-2025	06-02-2025	84	40	18	13	CLEAR/CALM
06-02-2025	07-02-2025	71	35	16	12	CLEAR/CALM
12-02-2025	13-02-2025	84	44	14	10	CLEAR/CALM
13-02-2025	14-02-2025	87	33	15	BDL	CLEAR/CALM
19-02-2025	20-02-2025	73	41	18	BDL	CLEAR/CALM
20-02-2025	21-02-2025	84	34	17	BDL	CLEAR/CALM
26-02-2025	27-02-2025	69	40	16	10	CLEAR/CALM
27-02-2025	28-02-2025	75	35	19	13	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)
		PM₁₀	PM_{2.5}	NO₂	SO₂	
FROM	TO	5	2	6	10	
05-02-2025	06-02-2025	78	34	14	12	CLEAR/CALM
06-02-2025	07-02-2025	82	42	15	14	CLEAR/CALM
12-02-2025	13-02-2025	69	34	17	11	CLEAR/CALM
13-02-2025	14-02-2025	74	33	19	10	CLEAR/CALM
19-02-2025	20-02-2025	77	37	17	10	CLEAR/CALM
20-02-2025	21-02-2025	68	36	15	BDL	CLEAR/CALM
26-02-2025	27-02-2025	85	42	14	BDL	CLEAR/CALM
27-02-2025	28-02-2025	76	42	17	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:	16-02-25 TO 15-03-25

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
05-02-2025	7.11	50	32	BDL
19-02-2025	7.74	46	40	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
05-02-2025	7.41	56	44	BDL
19-02-2025	7.62	38	28	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
05-02-2025	68	12.6
19-02-2025	78	11.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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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-NILJAI: WNON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	67.0	66.3
FEB'25	21-02-2025	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
FEB'25	09-02-2025	66.5	65.4
FEB'25	21-02-2025	66.4	64.3
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
FEB'25	09-02-2025	44.6	43.2
FEB'25	21-02-2025	45.6	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PENGANGA OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/FEB-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 16-02-25 TO 15-03-25	

MANAGER OFFICE WPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-02-2025	09-02-2025	294	207	59	25	11	CLEAR/CALM
22-02-2025	23-02-2025	337	223	62	21	10	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-02-2025	09-02-2025	297	203	61	23	12	CLEAR/CALM
22-02-2025	23-02-2025	335	216	65	25	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-02-2025	06-02-2025	70	33	16	10	CLEAR/CALM	
06-02-2025	07-02-2025	76	37	14	BDL	CLEAR/CALM	
12-02-2025	13-02-2025	78	35	18	12	CLEAR/CALM	
13-02-2025	14-02-2025	83	42	17	BDL	CLEAR/CALM	
19-02-2025	20/2/025	87	42	14	BDL	CLEAR/CALM	
20-02-2025	21-02-2025	91	40	13	BDL	CLEAR/CALM	
26-02-2025	27-02-2025	85	33	18	13	CLEAR/CALM	
27-02-2024	28-02-2025	74	42	15	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-02-2025	06-02-2025	84	37	14	BDL	CLEAR/CALM	
06-02-2025	07-02-2025	74	42	16	BDL	CLEAR/CALM	
12-02-2025	13-02-2025	69	33	15	BDL	CLEAR/CALM	
13-02-2025	14-02-2025	87	37	18	11	CLEAR/CALM	
19-02-2025	20-02-2025	80	38	14	BDL	CLEAR/CALM	
20-02-2025	21-02-2025	72	34	15	BDL	CLEAR/CALM	
26-02-2025	27-02-2025	85	45	19	13	CLEAR/CALM	
27-02-2024	28-02-2025	81	41	17	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:	16-02-25 TO 15-03-25

MINE WATER DISCHARGE: WPOW1				
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
12-02-2025	8.04	48	40	BDL
19-02-2025	8.15	38	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 PRDECOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

NEAR WORKSHOP: WPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	54.3	53.0
FEB'25	21-02-2025	53.7	52.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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WANI NORTH AREA

WESTERN COALFIELDS LTD.

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FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/FEB-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	
				16-02-25 TO 15-03-25	

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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-02-2025	09-02-2025	281	192	48	16	13	CLEAR/MODERATE BREEZE
22-02-2025	23-02-2025	302	199	59	19	15	CLEAR/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE/ CANTEEN WNKUA2							
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	
08-02-2025	09-02-2025	263	187	41	13	10	CLEAR/MODERATE BREEZE
22-02-2025	23-02-2025	249	154	37	12	BDL	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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-02-2025	06-02-2025	65	18	8	BDL		CLEAR/LIGHT BREEZE
06-02-2025	07-02-2025	78	22	9	BDL		CLEAR/CALM
12-02-2025	13-02-2025	81	27	8	BDL		CLEAR/MODERATE BREEZE
13-02-2025	14-02-2025	69	19	8	BDL		CLOUDY/MODERATE BREEZE
19-02-2025	20-02-2025	80	25	10	BDL		CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	71	21	9	BDL		CLEAR/CALM
26-02-2025	27-02-2025	90	34	10	BDL		CLEAR/MODERATE BREEZE
27-02-2025	28-02-2025	84	30	9	BDL		CLEAR/MODERATE BREEZE
NAAQS, 2009		100	60	80	80		

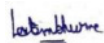
GUEST HOUSE/ COLONY WNGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-02-2025	06-02-2025	75	24	9	BDL		CLEAR/LIGHT BREEZE
06-02-2025	07-02-2025	86	32	11	BDL		CLEAR/CALM
12-02-2025	13-02-2025	69	19	9	BDL		CLEAR/MODERATE BREEZE
13-02-2025	14-02-2025	80	27	10	BDL		CLOUDY/MODERATE BREEZE
19-02-2025	20-02-2025	82	26	9	BDL		CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	70	19	8	BDL		CLEAR/CALM
26-02-2025	27-02-2025	92	30	10	BDL		CLEAR/MODERATE BREEZE
27-02-2025	28-02-2025	81	25	9	BDL		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:	16-02-25 TO 15-03-25

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
13-02-2025	8.23	22	40	BDL
27-02-2025	8.14	28	48	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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: WNGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	12-02-2025	59.8	58.6
FEB'25	25-02-2025	55.4	53.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (GHONSA) WNGON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	12-02-2025	44.8	43.2
FEB'25	25-02-2025	43.5	41.2
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



FEBRUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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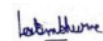
TEST REPORT NO.	RIN/TR/FEB-25/24	DATE OF ISSUE	25-03-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), 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:		16-02-25 TO 15-03-25

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	
FROM	TO	5	5	2	6	10
09-02-2025	10-02-2025	278	192	47	16	12
23-02-2025	24-02-2025	251	167	40	14	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

BORGAN 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	
05-02-2025	06-02-2025	83	33	10	BDL	CLEAR/LIGHT BREEZE
06-02-2025	07-02-2025	77	28	8	BDL	CLEAR/CALM
12-02-2025	13-02-2025	70	24	8	BDL	CLEAR/MODERATE BREEZE
13-02-2025	14-02-2025	81	27	9	BDL	CLOUDY/MODERATE BREEZE
19-02-2025	20-02-2025	77	23	8	BDL	CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	69	18	7	BDL	CLEAR/CALM
26-02-2025	27-02-2025	75	21	9	BDL	CLEAR/MODERATE BREEZE
27-02-2025	28-02-2025	80	29	10	BDL	CLEAR/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	
05-02-2025	06-02-2025	78	27	9	BDL	CLEAR/LIGHT BREEZE
06-02-2025	07-02-2025	71	21	8	BDL	CLEAR/CALM
12-02-2025	13-02-2025	86	31	10	BDL	CLEAR/MODERATE BREEZE
13-02-2025	14-02-2025	82	25	10	BDL	CLOUDY/MODERATE BREEZE
19-02-2025	20-02-2025	79	26	9	BDL	CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	66	20	8	BDL	CLEAR/CALM
26-02-2025	27-02-2025	88	30	10	BDL	CLEAR/MODERATE BREEZE
27-02-2025	28-02-2025	93	33	11	BDL	CLEAR/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	
07-02-2025	08-02-2025	74	23	8	BDL	CLEAR/MODERATE BREEZE
21-02-2025	22-02-2025	88	29	10	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:			16-02-25 TO 15-03-25

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
13-02-2025	8.13	30	40	BDL
27-02-2025	7.90	26	36	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
13-02-2025	8.19	26	44	BDL
27-02-2025	8.06	22	40	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 PRDECOCOL 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
FEB'25	09-02-2025	57.7	56.5
FEB'25	21-02-2025	53.1	50.6
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
FEB'25	09-02-2025	44.1	43.8
FEB'25	21-02-2025	42.6	40.4
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



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/25	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

SUBSTATION KOLARPIMPRI WNKOA1							
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	
02-02-2025	03-02-2025	278	197	47	14	11	CLEAR/CALM
16-02-2025	17-02-2025	244	168	27	13	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

REST SHELTER WNKOA2							
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	
02-02-2025	03-02-2025	241	158	40	11	BDL	CLEAR/CALM
16-02-2025	17-02-2025	271	187	48	15	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

PIMPRI VILLAGE WNKOA3							
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		
03-02-2025	04-02-2025	88	32	10	BDL		CLEAR/CALM
04-02-2025	05-02-2025	71	25	9	BDL		CLEAR/CALM
10-02-2025	11-02-2025	86	29	10	BDL		CLEAR/CALM
11-02-2025	12-02-2025	69	20	8	BDL		CLEAR/CALM
17-02-2025	18-02-2025	72	22	8	BDL		CLEAR/CALM
18-02-2025	19-02-2025	66	18	7	BDL		CLEAR/CALM
24-02-2025	25-02-2025	81	28	9	BDL		CLEAR/CALM
25-02-2025	26-02-2025	75	25	8	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

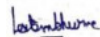
WATER FILTER PLANT PRAGATI NAGAR WNKOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-02-2025	04-02-2025	85	27	10	BDL		CLEAR/CALM
04-02-2025	05-02-2025	93	31	11	BDL		CLEAR/CALM
10-02-2025	11-02-2025	82	28	11	BDL		CLEAR/CALM
11-02-2025	12-02-2025	79	25	9	BDL		CLEAR/CALM
17-02-2025	18-02-2025	81	25	10	BDL		CLEAR/CALM
18-02-2025	19-02-2025	77	19	7	BDL		CLEAR/CALM
24-02-2025	25-02-2025	90	34	11	BDL		CLEAR/CALM
25-02-2025	26-02-2025	82	28	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:	16-02-25 TO 15-03-25

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
03-02-2025	7.93	38	52	BDL
18-02-2025	8.00	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 PRDECOCOL 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	DETECTION LIMIT
FEB'25	09-02-2025	61.9	60.6
FEB'25	21-02-2025	67.6	64.4
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	DETECTION LIMIT
FEB'25	09-02-2025	45.3	44.2
FEB'25	21-02-2025	42.3	40.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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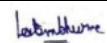
TEST REPORT NO.	RIN/TR/FEB-25/27	DATE OF ISSUE	25-03-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), 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:		16-02-25 TO 15-03-25

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	
02-02-2025	03-02-2025	274	191	41	14	11	CLEAR/CALM
16-02-2025	17-02-2025	247	172	33	11	BDL	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 $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-02-2025	03-02-2025	293	198	48	16	12	CLEAR/CALM
16-02-2025	17-02-2025	277	185	41	13	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

WATER FILTER PLANT PRAGATI NAGAR WNKO4							
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		
03-02-2025	04-02-2025	85	27	10	BDL		CLEAR/CALM
04-02-2025	05-02-2025	93	31	11	BDL		CLEAR/CALM
10-02-2025	11-02-2025	82	28	11	BDL		CLEAR/CALM
11-02-2025	12-02-2025	79	25	9	BDL		CLEAR/CALM
17-02-2025	18-02-2025	81	25	10	BDL		CLEAR/CALM
18-02-2025	19-02-2025	77	19	7	BDL		CLEAR/CALM
24-02-2025	25-02-2025	90	34	11	BDL		CLEAR/CALM
25-02-2025	26-02-2025	82	28	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

BORGAN 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		
05-02-2025	06-02-2025	83	33	10	BDL		CLEAR/LIGHT BREEZE
06-02-2025	07-02-2025	77	28	8	BDL		CLEAR/CALM
12-02-2025	13-02-2025	70	24	8	BDL		CLEAR/MODERATE BREEZE
13-02-2025	14-02-2025	81	27	9	BDL		CLOUDY/MODERATE BREEZE
19-02-2025	20-02-2025	77	23	8	BDL		CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	69	18	7	BDL		CLEAR/CALM
26-02-2025	27-02-2025	75	21	9	BDL		CLEAR/MODERATE BREEZE
27-02-2025	28-02-2025	80	29	10	BDL		CLEAR/MODERATE BREEZE
NAAQS, 2009		100	60	80	80		



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL 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
FEB'25	09-02-2025	59.9	58.7
FEB'25	21-02-2025	56.6	54.1
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
FEB'25	09-02-2025	45.3	44.2
FEB'25	21-02-2025	42.3	40.6
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



FEBRUARY 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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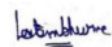
TEST REPORT NO.	RIN/TR/FEB-25/28	DATE OF ISSUE	25-03-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), 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:	16-02-25 TO 15-03-25	

NEAR BANDEWADA INCLINE WNRUA1						
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
08-02-2025	09-02-2025	261	178	41	13	10
22-02-2025	23-02-2025	287	193	54	17	14
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
08-02-2025	09-02-2025	289	199	46	15	13
22-02-2025	23-02-2025	303	204	52	19	15
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
09-02-2025	10-02-2025	312	207	53	17	14
23-02-2025	24-02-2025	289	193	44	14	10
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
07-02-2025	08-02-2025	95	34	13	10	CLEAR/MODERATE BREEZE
21-02-2025	22-02-2025	79	23	10	BDL	CLEAR/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

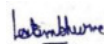


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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:	16-02-25 TO 15-03-25

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
13-02-2025	8.35	30	40	BDL
27-02-2025	7.98	24	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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	12-02-2025	62.7	61.6
FEB'25	25-02-2025	68.4	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	12-02-2025	44.1	43.8
FEB'25	25-02-2025	42.6	40.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/FEB-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 : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-02-25 TO 15-03-25	

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	
09-02-2025	10-02-2025	273	182	43	14	11	CLOUDY/MODERATE BREEZE
23-02-2025	24-02-2025	251	168	35	12	10	CLEAR/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		
05-02-2025	06-02-2025	78	27	9	BDL		CLEAR/LIGHT BREEZE
06-02-2025	07-02-2025	71	21	8	BDL		CLEAR/CALM
12-02-2025	13-02-2025	86	31	10	BDL		CLEAR/MODERATE BREEZE
13-02-2025	14-02-2025	82	25	10	BDL		CLOUDY/MODERATE BREEZE
19-02-2025	20-02-2025	79	26	9	BDL		CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	66	20	8	BDL		CLEAR/CALM
26-02-2025	27-02-2025	88	30	10	BDL		CLEAR/MODERATE BREEZE
27-02-2025	28-02-2025	93	33	11	BDL		CLEAR/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		
07-02-2025	08-02-2025	74	23	8	BDL		CLEAR/MODERATE BREEZE
21-02-2025	22-02-2025	88	29	10	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		
03-02-2025	04-02-2025	88	32	10	BDL		CLEAR/CALM
04-02-2025	05-02-2025	71	25	9	BDL		CLEAR/CALM
10-02-2025	11-02-2025	86	29	10	BDL		CLEAR/CALM
11-02-2025	12-02-2025	69	20	8	BDL		CLEAR/CALM
17-02-2025	18-02-2025	72	22	8	BDL		CLEAR/CALM
18-02-2025	19-02-2025	66	18	7	BDL		CLEAR/CALM
24-02-2025	25-02-2025	81	28	9	BDL		CLEAR/CALM
25-02-2025	26-02-2025	75	25	8	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



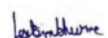
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-02-25 TO 15-03-25

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
13-02-2025	7.87	24	40	BDL
27-02-2025	7.81	46	52	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
13-02-2025	8.25	26	36	BDL
27-02-2025	8.07	22	32	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
13-02-2025	22	12
27-02-2025	38	16
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 PRDECOCOL 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
FEB'25	09-02-2025	70.8	68.5
FEB'25	21-02-2025	68.1	65.3
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
FEB'25	09-02-2025	44.1	43.8
FEB'25	21-02-2025	42.6	40.4
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



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/30	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

NEAR RAILWAY SIDING WNRS A1							
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	
05-02-2025	06-02-2025	224	157	46	13	10	CLEAR/LIGHT BREEZE
06-02-2025	07-02-2025	209	127	40	10	BDL	CLEAR/CALM
12-02-2025	13-02-2025	258	187	52	15	12	CLEAR/MODERATE BREEZE
13-02-2025	14-02-2025	233	146	41	14	10	CLOUDY/MODERATE BREEZE
19-02-2025	20-02-2025	287	194	37	15	11	CLEAR/LIGHT BREEZE
20-02-2025	21-02-2025	266	172	33	13	10	CLEAR/CALM
26-02-2025	27-02-2025	297	200	49	19	17	CLEAR/MODERATE BREEZE
27-02-2025	28-02-2025	271	188	41	17	14	CLEAR/MODERATE BREEZE
TLV		600	300	-	120	120	

VITTALWADI WNRS A3							
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		
05-02-2025	06-02-2025	85	29	10	BDL	CLEAR/LIGHT BREEZE	
06-02-2025	07-02-2025	72	24	8	BDL	CLEAR/CALM	
12-02-2025	13-02-2025	89	27	11	BDL	CLEAR/MODERATE BREEZE	
13-02-2025	14-02-2025	68	19	9	BDL	CLOUDY/MODERATE BREEZE	
19-02-2025	20-02-2025	74	23	9	BDL	CLEAR/LIGHT BREEZE	
20-02-2025	21-02-2025	69	20	8	BDL	CLEAR/CALM	
26-02-2025	27-02-2025	86	30	10	BDL	CLEAR/MODERATE BREEZE	
27-02-2025	28-02-2025	77	25	9	BDL	CLEAR/MODERATE BREEZE	
NAAQS, 2009		100	60	80	80		

PRAGATI NAGAR WNRS A4							
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		
05-02-2025	06-02-2025	88	28	11	BDL	CLEAR/LIGHT BREEZE	
06-02-2025	07-02-2025	71	23	10	BDL	CLEAR/CALM	
12-02-2025	13-02-2025	96	34	12	BDL	CLEAR/MODERATE BREEZE	
13-02-2025	14-02-2025	82	30	8	BDL	CLOUDY/MODERATE BREEZE	
19-02-2025	20-02-2025	70	20	8	BDL	CLEAR/LIGHT BREEZE	
20-02-2025	21-02-2025	76	25	7	BDL	CLEAR/CALM	
26-02-2025	27-02-2025	89	30	10	BDL	CLEAR/MODERATE BREEZE	
27-02-2025	28-02-2025	72	24	9	BDL	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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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL 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)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	12-02-2025	45.5	44.8
FEB'25	25-02-2025	44.1	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NEAR INCHARGE OFFICE: WNRSN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	12-02-2025	59.6	58.4
FEB'25	25-02-2025	66.3	64.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



FEBRUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/67	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

MANAGER OFFICE KAOA1							
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	
06-02-2025	07-02-2025	285	175	48	14	12	Clear sky / Calm
20-02-2025	21-02-2025	277	169	45	13	11	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE KAU2							
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	
06-02-2025	07-02-2025	290	182	57	17	15	Clear sky / Calm
20-02-2025	21-02-2025	281	177	53	15	13	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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		
03-02-2025	04-02-2025	80	26	6	BDL	Clear sky / Calm	
04-02-2025	05-02-2025	83	28	8	BDL	Clear sky / Calm	
11-02-2025	12-02-2025	85	29	7	BDL	Clear sky / Calm	
12-02-2025	13-02-2025	88	30	9	BDL	Clear sky / Calm	
18-02-2025	19-02-2025	91	32	12	10	Clear sky / Calm	
19-02-2025	20-02-2025	93	34	13	11	Clear sky / Calm	
25-02-2025	26-02-2025	90	32	10	BDL	Clear sky / Calm	
26-02-2025	27-02-2025	92	31	11	BDL	Clear sky / Calm	
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		
03-02-2025	04-02-2025	84	31	10	BDL	Clear sky / Calm	
04-02-2025	05-02-2025	87	30	9	BDL	Clear sky / Calm	
11-02-2025	12-02-2025	89	32	11	BDL	Clear sky / Calm	
12-02-2025	13-02-2025	90	31	12	10	Clear sky / Calm	
18-02-2025	19-02-2025	88	28	9	BDL	Clear sky / Calm	
19-02-2025	20-02-2025	92	33	10	BDL	Clear sky / Calm	
25-02-2025	26-02-2025	93	35	12	11	Clear sky / Calm	
26-02-2025	27-02-2025	91	30	10	10	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 PRJULYOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: KAON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	44.8	42.1
FEB'25	25-02-2025	47.8	46.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN/MAORI): KMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	42.6	40.2
FEB'25	25-02-2025	42.9	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

GHORAWARI OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



FEBRUARY 2025



Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/FEB-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	
				16-02-25 TO 15-03-25	

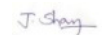
MANAGER OFFICE- GHORAWARI OC KGOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
13-02-2025	14-02-2025	263	140	40	11	10
27-02-2025	28-02-2025	276	151	45	12	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

MANAGER OFFICE- JHARNA UG KJUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
13-02-2025	14-02-2025	288	177	51	14	12
27-02-2025	28-02-2025	278	169	47	13	11
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
13-02-2025	14-02-2025	290	182	58	16	14
27-02-2025	28-02-2025	283	173	54	15	13
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-02-2025	04-02-2025	83	27	7	BDL	Clear sky / Calm
04-02-2025	05-02-2025	85	29	8	BDL	Clear sky / Calm
11-02-2025	12-02-2025	88	30	9	BDL	Clear sky / Calm
12-02-2025	13-02-2025	90	32	11	10	Clear sky / Calm
18-02-2025	19-02-2025	89	29	8	BDL	Clear sky / Calm
19-02-2025	20-02-2025	91	33	12	11	Clear sky / Calm
25-02-2025	26-02-2025	93	35	13	12	Clear sky / Calm
26-02-2025	27-02-2025	90	31	10	BDL	Clear sky / Calm
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-02-2025	04-02-2025	82	28	8	BDL	Clear sky / Calm
04-02-2025	05-02-2025	86	30	9	BDL	Clear sky / Calm
11-02-2025	12-02-2025	90	33	10	BDL	Clear sky / Calm
12-02-2025	13-02-2025	89	31	9	BDL	Clear sky / Calm
18-02-2025	19-02-2025	92	34	12	10	Clear sky / Calm
19-02-2025	20-02-2025	88	29	9	BDL	Clear sky / Calm
25-02-2025	26-02-2025	91	32	11	BDL	Clear sky / Calm
26-02-2025	27-02-2025	94	35	13	11	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 : 16-02-25 TO 15-03-25

MINE WATER DISCHARGE: KGOW				
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
05-02-2025	7.49	17	28	BDL
18-02-2025	7.34	15	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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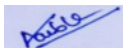
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL 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
FEB'25	11-02-2025	69.2	67.2
FEB'25	25-02-2025	70.8	68.5
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
FEB'25	11-02-2025	44.4	42.9
FEB'25	25-02-2025	46.7	45.1
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
FEB'25	11-02-2025	42.8	40.6
FEB'25	25-02-2025	41.1	40.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

GHORAWARI OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



FEBRUARY 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/FEB-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 16-02-25 TO 15-03-25	

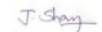
MANAGER OFFICE- GHORAWARI OC KGOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
13-02-2025	14-02-2025	263	140	40	11	10
27-02-2025	28-02-2025	276	151	45	12	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

MANAGER OFFICE- JHARNA UG KJUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
13-02-2025	14-02-2025	288	177	51	14	12
27-02-2025	28-02-2025	278	169	47	13	11
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
13-02-2025	14-02-2025	290	182	58	16	14
27-02-2025	28-02-2025	283	173	54	15	13
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-02-2025	04-02-2025	83	27	7	BDL	Clear sky / Calm
04-02-2025	05-02-2025	85	29	8	BDL	Clear sky / Calm
11-02-2025	12-02-2025	88	30	9	BDL	Clear sky / Calm
12-02-2025	13-02-2025	90	32	11	10	Clear sky / Calm
18-02-2025	19-02-2025	89	29	8	BDL	Clear sky / Calm
19-02-2025	20-02-2025	91	33	12	11	Clear sky / Calm
25-02-2025	26-02-2025	93	35	13	12	Clear sky / Calm
26-02-2025	27-02-2025	90	31	10	BDL	Clear sky / Calm
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-02-2025	04-02-2025	82	28	8	BDL	Clear sky / Calm
04-02-2025	05-02-2025	86	30	9	BDL	Clear sky / Calm
11-02-2025	12-02-2025	90	33	10	BDL	Clear sky / Calm
12-02-2025	13-02-2025	89	31	9	BDL	Clear sky / Calm
18-02-2025	19-02-2025	92	34	12	10	Clear sky / Calm
19-02-2025	20-02-2025	88	29	9	BDL	Clear sky / Calm
25-02-2025	26-02-2025	91	32	11	BDL	Clear sky / Calm
26-02-2025	27-02-2025	94	35	13	11	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 : 16-02-25 TO 15-03-25

MINE WATER DISCHARGE: KGOW				
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
05-02-2025	7.49	17	28	BDL
18-02-2025	7.34	15	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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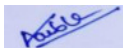
NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, 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
FEB'25	11-02-2025	69.2	67.2
FEB'25	25-02-2025	70.8	68.5
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
FEB'25	11-02-2025	44.4	42.9
FEB'25	25-02-2025	46.7	45.1
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
FEB'25	11-02-2025	42.8	40.6
FEB'25	25-02-2025	41.1	40.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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MOHAN/ MAORI UG

KANHAN AREA

WESTERN COALFIELDS LTD.

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/72	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

SAM OFFICE KMUA1							
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	
14-02-2025	15-02-2025	283	175	54	15	13	Clear sky / Calm
27-02-2025	28-02-2025	292	181	57	17	15	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE MOHAN KMUA2							
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	
14-02-2025	15-02-2025	278	178	48	14	12	Clear sky / Calm
27-02-2025	28-02-2025	295	189	58	16	14	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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		
03-02-2025	04-02-2025	80	26	6	BDL	Clear sky / Calm	
04-02-2025	05-02-2025	83	28	8	BDL	Clear sky / Calm	
11-02-2025	12-02-2025	85	29	7	BDL	Clear sky / Calm	
12-02-2025	13-02-2025	88	30	9	BDL	Clear sky / Calm	
18-02-2025	19-02-2025	91	32	12	10	Clear sky / Calm	
19-02-2025	20-02-2025	93	34	13	11	Clear sky / Calm	
25-02-2025	26-02-2025	90	32	10	BDL	Clear sky / Calm	
26-02-2025	27-02-2025	92	31	11	BDL	Clear sky / Calm	
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		
03-02-2025	04-02-2025	84	31	10	BDL	Clear sky / Calm	
04-02-2025	05-02-2025	87	30	9	BDL	Clear sky / Calm	
11-02-2025	12-02-2025	89	32	11	BDL	Clear sky / Calm	
12-02-2025	13-02-2025	90	31	12	10	Clear sky / Calm	
18-02-2025	19-02-2025	88	28	9	BDL	Clear sky / Calm	
19-02-2025	20-02-2025	92	33	10	BDL	Clear sky / Calm	
25-02-2025	26-02-2025	93	35	12	11	Clear sky / Calm	
26-02-2025	27-02-2025	91	30	10	10	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 PRJULYOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	71.8	69.1
FEB'25	25-02-2025	70.4	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN MAORI):		KMUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	42.6	40.2
FEB'25	25-02-2025	42.9	41.7
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



FEBRUARY 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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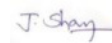
TEST REPORT NO.	RIN/TR/FEB-25/73	DATE OF ISSUE	25-03-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-02-25 TO 15-03-25

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	
05-02-2025	06-02-2025	291	188	58	16	14	Clear sky / Calm
19-02-2025	20-02-2025	285	176	50	15	13	Clear sky / Calm
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	
05-02-2025	06-02-2025	279	164	54	14	12	Clear sky / Calm
19-02-2025	20-02-2025	266	156	43	13	11	Clear sky / Calm
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		
05-02-2025	06-02-2025	94	34	11	BDL	Clear sky / Calm	
19-02-2025	20-02-2025	91	30	10	BDL	Clear sky / Calm	
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		
05-02-2025	06-02-2025	88	29	9	BDL	Clear sky / Calm	
19-02-2025	20-02-2025	90	32	11	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

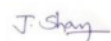


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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 :	16-02-25 TO 15-03-25

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
03-02-2025	7.44	21	32	BDL
19-02-2025	7.65	19	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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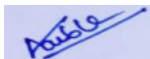
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

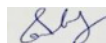
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRJULYOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE UG II: KNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	11-02-2025	68.2	65.4
FEB'25	25-02-2025	67.1	66.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	11-02-2025	43.6	42.7
FEB'25	25-02-2025	42.3	41.5
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



FEBRUARY 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/FEB-25/74a	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

INCLINE SHARDA KSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-02-2025	03-02-2025	282	173	52	15	12	Clear sky / Calm
17-02-2025	18-02-2025	275	161	46	13	10	Clear sky / Calm
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-02-2025	03-02-2025	85	34	9	BDL		Clear sky / Calm
17-02-2025	18-02-2025	81	30	8	BDL		Clear sky / Calm
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-02-2025	03-02-2025	89	28	9	BDL		Clear sky / Calm
17-02-2025	18-02-2025	91	31	10	BDL		Clear sky / Calm
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-02-2025	03-02-2025	92	34	11	10		Clear sky / Calm
17-02-2025	18-02-2025	88	32	10	BDL		Clear sky / Calm
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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-02-2025	03-02-2025	277	168	48	13	11	Clear sky / Calm
17-02-2025	18-02-2025	265	152	44	11	10	Clear sky / Calm
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:		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-02-25 TO 15-03-25

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
03-02-2025	7.53	31	40	BDL
18-02-2025	7.8	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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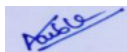
NOISE LEVEL MONITORING DATA

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

NEAR PIT OFFICE		KSUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	48.9	47.7
FEB'25	25-02-2025	48.5	47.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

UMARIA FADALI VILLAGE		KSUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	42.2	40.2
FEB'25	25-02-2025	42.5	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

TATARWADA VILLAGE		KSUN3	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	11-02-2025	42.8	40.6
FEB'25	25-02-2025	43.2	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

TANDSI UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/74	DATE OF ISSUE	25-03-2025
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:	16-02-25 TO 15-03-25	

WORKSHOP KTUA1							
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	
10-02-2025	11-02-2025	285	171	50	14	12	Clear sky / Calm
20-02-2025	21-02-2025	276	163	46	13	11	Clear sky / Calm
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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-02-2025	11-02-2025	265	157	43	12	11	Clear sky / Calm
20-02-2025	21-02-2025	259	149	41	11	10	Clear sky / Calm
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
10-02-2025	11-02-2025	86	30	8	BDL	Clear sky / Calm	
20-02-2025	21-02-2025	90	33	9	BDL	Clear sky / Calm	
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
10-02-2025	11-02-2025	88	31	7	BDL	Clear sky / Calm	
20-02-2025	21-02-2025	92	34	9	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

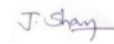


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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 :	16-02-25 TO 15-03-25

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
10-02-2025	7.65	27	40	BDL
21-02-2025	7.89	23	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

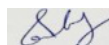
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRJULYCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		KTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	09-02-2025	71.2	68.8
FEB'25	25-02-2025	70.9	69.8
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
FEB'25	09-02-2025	43.2	40.8
FEB'25	25-02-2025	41.7	40.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

AREA HOSPITAL

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



FEBRUARY 2025

Environment Laboratory
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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/FEB-25/76		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 16-02-25 TO 15-03-25	

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	
09-02-2025	10-02-2025	87	34	14	10	CLEAR/CALM
24-02-2025	25-02-2025	81	43	15	BDL	CLEAR/CALM
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	
01-02-2025	02-02-2025	91	43	17	11	CLEAR/CALM
24-02-2025	25-02-2025	84	38	15	BDL	CLEAR/CALM
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	
01-02-2025	02-02-2025	79	33	14	BDL	CLEAR/CALM
24-02-2025	25-02-2025	87	45	17	11	CLEAR/CALM
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	 TC-7102
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL 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
FEB'25	09-02-2025	42.9	41.1
FEB'25	22-02-2025	43.1	41.4
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
FEB'25	09-02-2025	43.0	41.3
FEB'25	22-02-2025	43.3	42.4
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
FEB'25	09-02-2025	43.4	40.2
OCT'24	22-02-2025	43.9	42.7
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



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102			
TEST REPORT NO.		RIN/TR/FEB-25/75		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			
				16-02-25 TO 15-03-25			
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)	
		SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
FROM	TO	5	5	2	6	10	
01-02-2025	02-02-2025	347	223	67	26	11	CLEAR/CALM
22-02-2025	23-02-2025	319	206	64	23	10	CLEAR/CALM
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)	
		SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
FROM	TO	5	5	2	6	10	
01-02-2025	02-02-2025	327	208	64	23	11	CLEAR/CALM
22-02-2025	23-02-2025	304	193	62	21	10	CLEAR/CALM
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-02-2025	02-02-2025	68	31	14	10	CLEAR/CALM	
22-02-2025	23-02-2025	83	37	16	11	CLEAR/CALM	
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-02-2025	02-02-2025	77	33	14	11	CLEAR/CALM	
22-02-2025	23-02-2025	86	40	17	13	CLEAR/CALM	
		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:	16-02-25 TO 15-03-25

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
08-02-2025	8.39	40	28	BDL	600
19-02-2025	8.36	48	40	BDL	590
STANDARDS FOR COAL MINE, GSR 742E, dt.	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 PRDECOCOL 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
		20	20
FEB'25	09-02-2025	70.4	68.1
FEB'25	22-02-2025	71.8	69.6
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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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/78	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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	
09-02-2025	10-02-2025	329	211	63	24	11	CLEAR/CALM
23-02-2025	24-02-2025	307	185	57	22	BDL	CLEAR/CALM
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	
09-02-2025	10-02-2025	318	208	63	22	BDL	CLEAR/CALM
23-02-2025	24-02-2025	308	193	58	20	BDL	CLEAR/CALM
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		
09-02-2025	10-02-2025	69	32	13	BDL	CLEAR/CALM	
24-02-2025	25-02-2025	75	37	17	11	CLEAR/CALM	
		100	60	80	80		

HIRA PALLA/BHAGAIKHAPA 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		
09-02-2025	10-02-2025	74	31	15	10	CLEAR/CALM	
24-02-2025	25-02-2025	87	39	16	11	CLEAR/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 &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:	16-02-25 TO 15-03-25

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
09-02-2025	8.13	48	36	BDL
23-02-2025	8.27	34	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	 TC-7102
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL 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
FEB'25	09-02-2025	71.8	68.2
FEB'25	22-02-2025	72.7	69.5
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
FEB'25	09-02-2025	42.8	41.6
FEB'25	22-02-2025	42.1	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

TAWA UG

PATHAKHERA AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/79	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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	
09-02-2025	10-02-2025	297	171	62	24	BDL	CLEAR/CALM
23-02-2025	24-02-2025	307	194	58	21	10	CLEAR/CALM
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	
09-02-2025	10-02-2025	308	201	59	21	11	CLEAR/CALM
23-02-2025	24-02-2025	332	223	63	23	13	CLEAR/CALM
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	
09-02-2025	10-02-2025	69	32	13	BDL	CLEAR/CALM
24-02-2025	25-02-2025	75	37	17	11	CLEAR/CALM
		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	
09-02-2025	10-02-2025	74	31	15	10	CLEAR/CALM
24-02-2025	25-02-2025	87	39	16	11	CLEAR/CALM
		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:	16-02-25 TO 15-03-25

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
09-02-2025	7.94	50	40	BDL
23-02-2025	8.35	56	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	 TC-7102
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE: PKTUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	71.9	69.8
FEB'25	22-02-2025	72.3	69.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PATHAKHERA COLONY(TAWA): PKTUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	42.8	41.6
FEB'25	22-02-2025	42.1	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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FEBRUARY 2025

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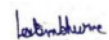
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/FEB-25/54		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (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	
				16-02-25 TO 15-03-25	

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	
05-02-2025	06-02-2025	255	168	40	15	11	CLEAR/CALM
19-02-2025	20-02-2025	237	148	34	12	BDL	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	
05-02-2025	06-02-2025	241	147	37	12	BDL	CLEAR/CALM
19-02-2025	20-02-2025	255	167	40	14	10	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	
05-02-2025	06-02-2025	228	135	35	12	10	CLEAR/CALM
24-02-2025	25-02-2025	229	131	40	14	10	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		
05-02-2025	06-02-2025	81	24	9	BDL	CLEAR/CALM	
19-02-2025	20-02-2025	88	25	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

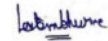


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7192
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SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd 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:		16-02-25 TO 15-03-25

ETP DISCHARGE: PBOW1				
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
05-02-2025	8.13	26	36	BDL
19-02-2025	8.26	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	 TC-7102
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NOISE LEVEL MONITORING DATA

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

NEAR BARKUI HOSPITAL: PBON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
FEB'25	09-02-2025	44.2	41.6
FEB'25	26-02-2025	44.8	42.2
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



FEBRUARY 2025

Environment Laboratory
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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/FEB-25/59a	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

MANAGER OFFICE PBGSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-02-2025	11-02-2025	304	213	54	19	16	CLEAR/CALM
24-02-2025	25-02-2025	318	228	51	21	18	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-02-2025	12-02-2025	327	234	59	20	17	CLEAR/CALM
24-02-2025	25-02-2025	351	275	59	24	20	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		
12-02-2025	13-02-2025	82	24	10	BDL		CLEAR/CALM
26-02-2025	27-02-2025	72	24	8	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		
12-02-2025	13-02-2025	77	20	8	BDL		CLEAR/CALM
26-02-2025	27-02-2025	83	28	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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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL 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
FEB'25	09-02-2025	47.8	45.9
FEB'25	26-02-2025	48.1	45.1
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
FEB'25	09-02-2025	44.9	43.4
FEB'25	26-02-2025	45.5	43.8
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
FEB'25	09-02-2025	44.1	42.8
FEB'25	26-02-2025	43.3	41.6
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



FEBRUARY 2025

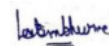
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/55	DATE OF ISSUE	25-03-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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:	16-02-25 TO 15-03-25	

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	
05-02-2025	06-02-2025	228	135	35	12	10	CLEAR/CALM
24-02-2025	25-02-2025	229	131	40	14	10	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	 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:	16-02-25 TO 15-03-25

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
05-02-2025	8.20	28	40	BDL
19-02-2025	8.18	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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

NEAR CHANDAMETA WORKSHOP: PCWN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	44.9	43.6
FEB'25	26-02-2025	43.8	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

CHINDA OC

PENCH AREA

WESTERN COALFIELDS LTD.

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FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/FEB-25/56	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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	
05-02-2025	06-02-2025	274	188	48	17	15	CLEAR/CALM
19-02-2025	20-02-2025	254	188	46	15	11	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	
05-02-2025	06-02-2025	244	151	37	12	10	CLEAR/CALM
19-02-2025	20-02-2025	277	194	50	14	10	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	
03-02-2025	04-02-2025	82	27	9	BDL	CLEAR/CALM
04-02-2025	05-02-2025	77	20	8	BDL	CLEAR/CALM
10-02-2025	11-02-2025	80	24	10	BDL	CLEAR/CALM
11-02-2025	12-02-2025	67	18	8	BDL	CLEAR/CALM
17-02-2025	18-02-2025	88	28	10	BDL	CLEAR/CALM
18-02-2025	19-02-2025	67	21	8	BDL	CLEAR/CALM
24-02-2025	25-02-2025	73	27	8	BDL	CLEAR/CALM
25-02-2025	26-02-2025	81	31	10	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	
03-02-2025	04-02-2025	72	25	9	BDL	CLEAR/CALM
04-02-2025	05-02-2025	89	29	10	BDL	CLEAR/CALM
10-02-2025	11-02-2025	67	19	7	BDL	CLEAR/CALM
11-02-2025	12-02-2025	92	31	10	BDL	CLEAR/CALM
17-02-2025	18-02-2025	86	29	10	BDL	CLEAR/CALM
18-02-2025	19-02-2025	67	24	8	BDL	CLEAR/CALM
24-02-2025	25-02-2025	77	27	9	BDL	CLEAR/CALM
25-02-2025	26-02-2025	92	30	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:	16-02-25 TO 15-03-25

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
05-02-2025	7.97	22	36	BDL
19-02-2025	8.17	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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PCON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	09-02-2025	46.4	44.8
FEB'25	26-02-2025	47.1	45.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
FEB'25	09-02-2025	43.3	41.8
FEB'25	26-02-2025	44.4	42.3
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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FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/66a	DATE OF ISSUE	25-03-2025
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:	16-02-25 TO 15-03-25	

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	
03-02-2025	04-02-2025	87	29	10	BDL	CLEAR/CALM
17-02-2025	18-02-2025	71	24	8	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	
03-02-2025	04-02-2025	96	31	11	BDL	CLEAR/CALM
17-02-2025	18-02-2025	83	27	9	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
03-02-2025	04-02-2025	254	166	43	14	10
17-02-2025	18-02-2025	266	174	42	15	11
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:	16-02-25 TO 15-03-25

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
03-02-2025	7.94	28	44	BDL
17-02-2025	8.15	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 PRDECOCOL 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
		20	20
FEB'25	09-02-2025	43.2	41.8
FEB'25	26-02-2025	44.1	42.2
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
		20	20
FEB'25	09-02-2025	45.9	44.1
FEB'25	26-02-2025	45.1	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
		20	20
FEB'25	09-02-2025	45.7	43.9
FEB'25	26-02-2025	46.5	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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PENCH AREA

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FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/59b	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

MANAGER OFFICE PEDCA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-02-2025	11-02-2025	270	166	49	18	15	CLEAR/CALM
24-02-2025	25-02-2025	290	201	52	16	13	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-02-2025	12-02-2025	322	210	57	20	17	CLEAR/CALM
24-02-2025	25-02-2025	340	217	55	21	18	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		
12-02-2025	13-02-2025	82	24	10	BDL		CLEAR/CALM
26-02-2025	27-02-2025	72	24	8	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		
12-02-2025	13-02-2025	77	20	8	BDL		CLEAR/CALM
26-02-2025	27-02-2025	83	28	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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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL 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
FEB'25	09-02-2025	47.1	45.4
FEB'25	26-02-2025	46.6	44.2
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
FEB'25	09-02-2025	44.1	42.8
FEB'25	26-02-2025	43.3	41.6
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



FEBRUARY 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
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TEST REPORT NO.	RIN/TR/FEB-25/58	DATE OF ISSUE	25-03-2025
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:	16-02-25 TO 15-03-25	

MANAGER OFFICE PJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-02-2025	04-02-2025	229	137	40	13	BDL	CLEAR/CALM
17-02-2025	18-02-2025	261	174	41	15	11	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-02-2025	04-02-2025	247	151	44	15	10	CLEAR/CALM
17-02-2025	18-02-2025	231	144	37	13	10	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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-02-2025	04-02-2025	71	28	10	BDL		CLEAR/CALM
17-02-2025	18-02-2025	66	20	8	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		
03-02-2025	04-02-2025	78	22	9	BDL		CLEAR/CALM
04-02-2025	05-02-2025	92	30	10	BDL		CLEAR/CALM
10-02-2025	11-02-2025	69	21	8	BDL		CLEAR/CALM
11-02-2025	12-02-2025	75	27	10	BDL		CLEAR/CALM
17-02-2025	18-02-2025	91	34	11	BDL		CLEAR/CALM
18-02-2025	19-02-2025	69	20	8	BDL		CLEAR/CALM
24-02-2025	25-02-2025	76	27	10	BDL		CLEAR/CALM
25-02-2025	26-02-2025	85	29	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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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: PJUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	45.5	44.2
FEB'25	26-02-2025	44.9	43.1
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



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/59	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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	
12-02-2025	13-02-2025	308	199	42	17	14	CLEAR/CALM
26-02-2025	27-02-2025	276	188	53	20	15	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	
12-02-2025	13-02-2025	327	229	53	19	15	CLEAR/CALM
26-02-2025	27-02-2025	255	162	37	14	11	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		
12-02-2025	13-02-2025	82	24	10	BDL	CLEAR/CALM	
26-02-2025	27-02-2025	72	24	8	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		
12-02-2025	13-02-2025	77	20	8	BDL	CLEAR/CALM	
26-02-2025	27-02-2025	83	28	10	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:	16-02-25 TO 15-03-25

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
12-02-2025	8.12	20	36	BDL
24-02-2025	8.03	24	44	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 PRDECOCOL 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
FEB'25	09-02-2025	71.4	68.9
FEB'25	26-02-2025	70.5	67.3
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
FEB'25	09-02-2025	44.1	42.8
FEB'25	26-02-2025	43.3	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.

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FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/61	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

NEW SETHIA OC SITE PNSOA1							
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	
05-02-2025	06-02-2025	255	164	37	15	12	CLEAR/CALM
19-02-2025	20-02-2025	263	172	38	17	14	CLEAR/CALM
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 $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-02-2025	06-02-2025	274	188	48	17	15	CLEAR/CALM
19-02-2025	20-02-2025	254	188	46	15	11	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		
03-02-2025	04-02-2025	82	27	9	BDL	CLEAR/CALM	
04-02-2025	05-02-2025	77	20	8	BDL	CLEAR/CALM	
10-02-2025	11-02-2025	80	24	10	BDL	CLEAR/CALM	
11-02-2025	12-02-2025	67	18	8	BDL	CLEAR/CALM	
17-02-2025	18-02-2025	88	28	10	BDL	CLEAR/CALM	
18-02-2025	19-02-2025	67	21	8	BDL	CLEAR/CALM	
24-02-2025	25-02-2025	73	27	8	BDL	CLEAR/CALM	
25-02-2025	26-02-2025	81	31	10	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		
03-02-2025	04-02-2025	72	25	9	BDL	CLEAR/CALM	
04-02-2025	05-02-2025	89	29	10	BDL	CLEAR/CALM	
10-02-2025	11-02-2025	67	19	7	BDL	CLEAR/CALM	
11-02-2025	12-02-2025	92	31	10	BDL	CLEAR/CALM	
17-02-2025	18-02-2025	86	29	10	BDL	CLEAR/CALM	
18-02-2025	19-02-2025	67	24	8	BDL	CLEAR/CALM	
24-02-2025	25-02-2025	77	27	9	BDL	CLEAR/CALM	
25-02-2025	26-02-2025	92	30	9	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:	16-02-25 TO 15-03-25

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
05-02-2025	7.88	20	32	BDL
19-02-2025	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 PRDECOCOL 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
FEB'25	09-02-2025	47.8	45.9
FEB'25	26-02-2025	46.8	44.2
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
FEB'25	09-02-2025	43.3	41.8
FEB'25	26-02-2025	44.4	42.3
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



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/FEB-25/62	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

SITE OFFICE PSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-02-2025	05-02-2025	255	168	43	16	13	CLEAR/CALM
18-02-2025	19-02-2025	241	152	34	12	BDL	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-02-2025	05-02-2025	309	218	51	18	15	CLEAR/CALM
18-02-2025	19-02-2025	273	170	40	14	11	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	
05-02-2025	06-02-2025	309	221	58	18	16	CLEAR/CALM
18-02-2025	19-02-2025	283	199	53	15	13	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-02-2025	06-02-2025	82	34	10	BDL	CLEAR/CALM	
19-02-2025	20-02-2025	87	26	8	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		
03-02-2025	04-02-2025	5	2	6	BDL	CLEAR/CALM	
04-02-2025	05-02-2025	77	20	8	BDL	CLEAR/CALM	
10-02-2025	11-02-2025	80	24	10	BDL	CLEAR/CALM	
11-02-2025	12-02-2025	67	18	8	BDL	CLEAR/CALM	
17-02-2025	18-02-2025	88	28	10	BDL	CLEAR/CALM	
18-02-2025	19-02-2025	67	21	8	BDL	CLEAR/CALM	
24-02-2025	25-02-2025	73	27	8	BDL	CLEAR/CALM	
25-02-2025	26-02-2025	81	31	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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NOISE LEVEL MONITORING DATA

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

NEAR MANAGER OFFICE: PSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	47.5	45.3
FEB'25	26-02-2025	46.1	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	43.8	42.2
FEB'25	26-02-2025	44.1	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

THESGORA MATHANI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



FEBRUARY 2025

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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/FEB-25/63	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

MATHANI VILLAGE PTUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-02-2025	05-02-2025	77	24	8	BDL	CLEAR/CALM
18-02-2025	19-02-2025	73	21	9	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
04-02-2025	05-02-2025	267	179	48	15	12
18-02-2025	19-02-2025	279	183	47	18	15
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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
04-02-2025	05-02-2025	287	189	48	14	10
18-02-2025	19-02-2025	296	202	54	17	14
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-02-2025	05-02-2025	89	30	11	BDL	CLEAR/CALM
18-02-2025	19-02-2025	97	35	13	10	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:	16-02-25 TO 15-03-25

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
04-02-2025	8.05	28	48	BDL
18-02-2025	7.93	30	52	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 PRDECOCOL 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
FEB'25	09-02-2025	69.5	68.2
FEB'25	26-02-2025	71.5	68.9
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
FEB'25	09-02-2025	44.8	42.9
FEB'25	26-02-2025	43.3	41.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

URDHAN OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/FEB-25/64	DATE OF ISSUE	25-03-2025
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:		16-02-25 TO 15-03-25

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-02-2025	04-02-2025	286	190	47	15	12	CLEAR/CALM
17-02-2025	18-02-2025	264	171	41	14	10	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-02-2025	04-02-2025	324	218	58	20	16	CLEAR/CALM
17-02-2025	18-02-2025	319	210	52	22	18	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		
03-02-2025	04-02-2025	86	29	10	BDL	CLEAR/CALM	
25-02-2025	26-02-2025	71	22	8	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		
03-02-2025	04-02-2025	78	22	9	BDL	CLEAR/CALM	
04-02-2025	05-02-2025	92	30	10	BDL	CLEAR/CALM	
10-02-2025	11-02-2025	69	21	8	BDL	CLEAR/CALM	
11-02-2025	12-02-2025	75	27	10	BDL	CLEAR/CALM	
17-02-2025	18-02-2025	91	34	11	BDL	CLEAR/CALM	
18-02-2025	19-02-2025	69	20	8	BDL	CLEAR/CALM	
24-02-2025	25-02-2025	76	27	10	BDL	CLEAR/CALM	
25-02-2025	26-02-2025	85	29	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:	16-02-25 TO 15-03-25

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
03-02-2025	8.01	26	48	BDL
17-02-2025	7.93	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
03-02-2025	8.31	28	40	BDL
17-02-2025	8.22	30	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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: PUON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	47.7	45.2
FEB'25	26-02-2025	46.1	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

URDHAN VILLAGE: PUON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	43.4	41.8
FEB'25	26-02-2025	42.2	40.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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PENCH AREA

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FEBRUARY 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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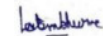
TEST REPORT NO.	RIN/TR/FEB-25/66	DATE OF ISSUE	25-03-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), 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:		16-02-25 TO 15-03-25

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	
04-02-2025	05-02-2025	244	157	37	12	BDL	CLEAR/CALM
18-02-2025	19-02-2025	257	163	50	14	11	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	
05-02-2025	06-02-2025	309	221	58	18	16	CLEAR/CALM
18-02-2025	19-02-2025	283	199	53	15	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI PSO A3							
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		
05-02-2025	06-02-2025	82	34	10	BDL	CLEAR/CALM	
19-02-2025	20-02-2025	87	26	8	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		
03-02-2025	04-02-2025	82	27	9	BDL	CLEAR/CALM	
04-02-2025	05-02-2025	77	20	8	BDL	CLEAR/CALM	
10-02-2025	11-02-2025	80	24	10	BDL	CLEAR/CALM	
11-02-2025	12-02-2025	67	18	8	BDL	CLEAR/CALM	
17-02-2025	18-02-2025	88	28	10	BDL	CLEAR/CALM	
18-02-2025	19-02-2025	67	21	8	BDL	CLEAR/CALM	
24-02-2025	25-02-2025	73	27	8	BDL	CLEAR/CALM	
25-02-2025	26-02-2025	81	31	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

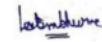


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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:	16-02-25 TO 15-03-25

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
04-02-2025	7.80	26	44	BDL
18-02-2025	8.04	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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE UG-II: PV2UN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'25	09-02-2025	70.5	68.4
FEB'25	26-02-2025	69.4	67.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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