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ENVIRONMENTAL MONITORING REPORT

Amalgamation of Gouri & Pauni OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068

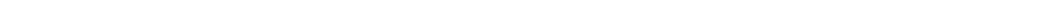


SEPTEMBER 2025



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/SEPT-25/44	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25	

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-09-2025	08-09-2025	294	202	48	17	14	CLOUDY/CALM
21-09-2025	22-09-2025	233	152	38	13	11	CLOUDY/CALM
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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-09-2025	08-09-2025	273	188	41	15	13	CLOUDY/CALM
21-09-2025	22-09-2025	214	136	32	11	BDL	CLOUDY/CALM
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		
03-09-2025	04-09-2025	88	29	10	BDL	CLOUDY/CALM	
04-09-2025	05-09-2025	70	24	7	BDL	CLOUDY/CALM	
10-09-2025	11-09-2025	80	27	10	BDL	CLOUDY/CALM	
11-09-2025	12-09-2025	74	22	9	BDL	CLOUDY/CALM	
17-09-2025	18-09-2025	87	30	10	BDL	CLOUDY/CALM	
18-09-2025	19-09-2025	81	27	9	BDL	CLOUDY/CALM	
23-09-2025	24-09-2025	76	25	9	BDL	CLOUDY/CALM	
24-09-2025	25-09-2025	86	29	10	BDL	CLOUDY/CALM	
28-09-2025	29-09-2025	66	17	7	BDL	RAINY/CALM	
29-09-2025	30-09-2025	78	22	8	BDL	CLOUDY/CALM	
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		
01-09-2025	02-09-2025	66	19	8	BDL	RAINY/CALM	
02-09-2025	03-09-2025	59	16	7	BDL	RAINY/CALM	
08-09-2025	09-09-2025	70	22	8	BDL	RAINY/CALM	
09-09-2025	10-09-2025	83	28	10	BDL	CLOUDY/CALM	
13-09-2025	14-09-2025	57	17	7	BDL	RAINY/CALM	
16-09-2025	17-09-2025	77	21	8	BDL	CLOUDY/CALM	
21-09-2025	22-09-2025	81	26	9	BDL	CLOUDY/CALM	
22-09-2025	23-09-2025	76	22	8	BDL	CLOUDY/CALM	
27-09-2025	28-09-2025	63	18	7	BDL	RAINY/CALM	
28-09-2025	29-09-2025	59	15	7	BDL	RAINY/CALM	
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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-09-25 TO 15-10-25

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
13-09-2025	9.13	36	48	BDL
21-09-2025	8.72	40	52	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
13-09-2025	9.18	26	40	BDL
21-09-2025	8.84	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: BGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	66.6	62.5
SEPT'25	26-09-2025	67.5	63.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE (PAUNI OC): BAGPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	57.4	54.6
SEPT'25	26-09-2025	57.6	53.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	46.7	41.8
SEPT'25	26-09-2025	45.8	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Yogesh Pidurkar
Reviewed by



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

BALLARPUR OC

BALLARPUR AREA

JOB NO. 4094423068



SEPTUST 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			
TEST REPORT NO.		RIN/TR/SEPT-25/41		DATE OF ISSUE 25-10-2025	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25	

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	
05-09-2025	06-09-2025	287	199	49	16	13	CLOUDY/CALM
19-09-2025	20-09-2025	231	145	37	12	10	CLOUDY/CALM
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	
05-09-2025	06-09-2025	275	182	47	16	12	CLOUDY/CALM
19-09-2025	20-09-2025	255	178	30	13	10	CLOUDY/CALM
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	
05-09-2025	06-09-2025	239	153	35	13	10	CLOUDY/CALM
19-09-2025	20-09-2025	192	101	27	11	BDL	CLOUDY/CALM
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		
01-09-2025	02-09-2025	67	19	7	BDL	RAINY/CALM	
02-09-2025	03-09-2025	74	23	8	BDL	RAINY/CALM	
08-09-2025	09-09-2025	60	17	7	BDL	RAINY/CALM	
09-09-2025	10-09-2025	81	28	9	BDL	CLOUDY/CALM	
13-09-2025	14-09-2025	66	18	7	BDL	RAINY/CALM	
16-09-2025	17-09-2025	78	22	7	BDL	CLOUDY/CALM	
21-09-2025	22-09-2025	70	20	6	BDL	CLOUDY/CALM	
22-09-2025	23-09-2025	79	27	8	BDL	CLOUDY/CALM	
27-09-2025	28-09-2025	67	22	6	BDL	RAINY/CALM	
28-09-2025	29-09-2025	59	17	6	BDL	RAINY/CALM	
NAAQS, 2009		100	60	80	80		

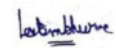


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-09-25 TO 15-10-25

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
06-09-2025	7.88	28	44	BDL
19-09-2025	8.45	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


Analysed by

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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: BBUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	12-09-2025	66.4	62.6
SEPT'25	26-09-2025	67.6	63.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY BALLARPUR UG: BBUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	12-09-2025	45.6	42.5
SEPT'25	26-09-2025	45.4	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


Yogesh Pidurkar
Reviewed by


Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

BALLARPUR UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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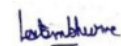
TEST REPORT NO.	RIN/TR/SEPT-25/42	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
05-09-2025	06-09-2025	287	199	49	16	13	CLOUDY/CALM
19-09-2025	20-09-2025	231	145	37	12	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION		BBOA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
05-09-2025	06-09-2025	275	182	47	16	12	CLOUDY/CALM
19-09-2025	20-09-2025	255	178	30	13	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE		BBOA3					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
05-09-2025	06-09-2025	239	153	35	13	10	CLOUDY/CALM
19-09-2025	20-09-2025	192	101	27	11	BDL	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT COLONY			BBUA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
01-09-2025	02-09-2025	67	19	7	BDL	RAINY/CALM
02-09-2025	03-09-2025	74	23	8	BDL	RAINY/CALM
08-09-2025	09-09-2025	60	17	7	BDL	RAINY/CALM
09-09-2025	10-09-2025	81	28	9	BDL	CLOUDY/CALM
13-09-2025	14-09-2025	66	18	7	BDL	RAINY/CALM
16-09-2025	17-09-2025	78	22	7	BDL	CLOUDY/CALM
21-09-2025	22-09-2025	70	20	6	BDL	CLOUDY/CALM
22-09-2025	23-09-2025	79	27	8	BDL	CLOUDY/CALM
27-09-2025	28-09-2025	67	22	6	BDL	RAINY/CALM
28-09-2025	29-09-2025	59	17	6	BDL	RAINY/CALM
NAAQS, 2009		100	60	80	80	

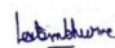


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-09-25 TO 15-10-25

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
06-09-2025	8.39	26	40	BDL
19-09-2025	8.73	20	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
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
SEPT'25	12-09-2025	74.5	71.7
SEPT'25	26-09-2025	73.7	71.5
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
SEPT'25	12-09-2025	45.6	42.5
SEPT'25	26-09-2025	45.4	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

GOURI DEEP OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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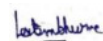
TEST REPORT NO.	RIN/TR/SEPT-25/43	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
07-09-2025	08-09-2025	272	189	45	14	12	CLOUDY/CALM
21-09-2025	22-09-2025	234	155	30	11	BDL	CLOUDY/CALM
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)
		PM ₁₀	PM _{2.5}	No _x	So _x		
FROM	TO	5	2	6	10		
01-09-2025	02-09-2025	55	17	7	BDL		RAINY/CALM
02-09-2025	03-09-2025	61	20	8	BDL		RAINY/CALM
08-09-2025	09-09-2025	57	16	8	BDL		RAINY/CALM
09-09-2025	10-09-2025	76	24	9	BDL		CLOUDY/CALM
13-09-2025	14-09-2025	64	21	7	BDL		RAINY/CALM
16-09-2025	17-09-2025	77	24	8	BDL		CLOUDY/CALM
21-09-2025	22-09-2025	80	29	10	BDL		CLOUDY/CALM
22-09-2025	23-09-2025	72	19	8	BDL		CLOUDY/CALM
27-09-2025	28-09-2025	51	15	6	BDL		RAINY/CALM
28-09-2025	29-09-2025	65	19	7	BDL		RAINY/CALM
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)
		PM ₁₀	PM _{2.5}	No _x	So _x		
FROM	TO	5	2	6	10		
01-09-2025	02-09-2025	74	28	9	BDL		RAINY/CALM
02-09-2025	03-09-2025	65	19	7	BDL		RAINY/CALM
08-09-2025	09-09-2025	60	16	7	BDL		RAINY/CALM
09-09-2025	10-09-2025	76	22	9	BDL		CLOUDY/CALM
13-09-2025	14-09-2025	55	15	6	BDL		RAINY/CALM
16-09-2025	17-09-2025	82	29	10	BDL		CLOUDY/CALM
21-09-2025	22-09-2025	76	24	9	BDL		CLOUDY/CALM
22-09-2025	23-09-2025	70	22	9	BDL		CLOUDY/CALM
27-09-2025	28-09-2025	59	19	6	BDL		RAINY/CALM
28-09-2025	29-09-2025	66	23	8	BDL		RAINY/CALM
NAAQS, 2009		100	60	80	80		

RAILWAY SIDING 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	
07-09-2025	08-09-2025	324	240	59	20	15	CLOUDY/CALM
21-09-2025	22-09-2025	299	188	49	16	13	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



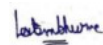
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-09-25 TO 15-10-25

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
07-09-2025	8.78	30	48	BDL
21-09-2025	9.06	22	46	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
07-09-2025	9.17	24	32	BDL
21-09-2025	9.10	20	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	12-09-2025	59.7	54.8
SEPT'25	26-09-2025	58.8	53.7
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
SEPT'25	12-09-2025	45.6	41.7
SEPT'25	26-09-2025	46.7	42.8
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



SEPTEMBER 2025



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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/45	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

SAM OFFICE- DHOPTALA SUB AREA BND0A1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
06-09-2025	07-09-2025	276	195	49	14	BDL
20-09-2025	21-09-2025	255	170	38	11	BDL
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

MANAGER OFFICE-DHOPTALA OC BND0A2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
06-09-2025	07-09-2025	296	212	56	17	14
20-09-2025	21-09-2025	277	192	48	15	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

SASTI COLONY BSUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03-09-2025	04-09-2025	77	25	9	BDL	CLOUDY/CALM
04-09-2025	05-09-2025	87	29	10	BDL	CLOUDY/CALM
10-09-2025	11-09-2025	91	34	11	BDL	CLOUDY/CALM
11-09-2025	12-09-2025	82	30	10	BDL	CLOUDY/CALM
17-09-2025	18-09-2025	73	22	8	BDL	CLOUDY/CALM
18-09-2025	19-09-2025	88	28	9	BDL	CLOUDY/CALM
23-09-2025	24-09-2025	75	21	7	BDL	CLOUDY/CALM
24-09-2025	25-09-2025	89	28	9	BDL	CLOUDY/CALM
28-09-2025	29-09-2025	67	18	7	BDL	RAINY/CALM
29-09-2025	30-09-2025	78	24	8	BDL	CLOUDY/CALM
NAAQS, 2009		100	60	80	80	

MUTHRA VILLAGE BGDO2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
01-09-2025	02-09-2025	55	17	7	BDL	RAINY/CALM
02-09-2025	03-09-2025	61	20	8	BDL	RAINY/CALM
08-09-2025	09-09-2025	57	16	8	BDL	RAINY/CALM
09-09-2025	10-09-2025	76	24	9	BDL	CLOUDY/CALM
13-09-2025	14-09-2025	64	21	7	BDL	RAINY/CALM
16-09-2025	17-09-2025	77	24	8	BDL	CLOUDY/CALM
21-09-2025	22-09-2025	80	29	10	BDL	CLOUDY/CALM
22-09-2025	23-09-2025	72	19	8	BDL	CLOUDY/CALM
27-09-2025	28-09-2025	51	15	6	BDL	RAINY/CALM
28-09-2025	29-09-2025	65	19	7	BDL	RAINY/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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-09-25 TO 15-10-25

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	
07-09-2025	9.14	24	32	BDL	
20-09-2025	8.64	32	40	BDL	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10	



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: BNDON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	67.6	62.6
SEPT'25	26-09-2025	67.8	63.7
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
SEPT'25	12-09-2025	46.5	41.6
SEPT'25	26-09-2025	45.7	41.5
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



SEPTEMBER 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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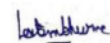
TEST REPORT NO.	RIN/TR/SEPT-25/48	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
06-09-2025	07-09-2025	298	211	52	16	14	CLOUDY/CALM
20-09-2025	21-09-2025	264	188	43	14	10	CLOUDY/CALM
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	
06-09-2025	07-09-2025	254	167	34	14	12	CLOUDY/CALM
20-09-2025	21-09-2025	211	124	29	11	BDL	CLOUDY/CALM
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		
03-09-2025	04-09-2025	88	29	10	BDL		CLOUDY/CALM
04-09-2025	05-09-2025	70	24	7	BDL		CLOUDY/CALM
10-09-2025	11-09-2025	80	27	10	BDL		CLOUDY/CALM
11-09-2025	12-09-2025	74	22	9	BDL		CLOUDY/CALM
17-09-2025	18-09-2025	87	30	10	BDL		CLOUDY/CALM
18-09-2025	19-09-2025	81	27	9	BDL		CLOUDY/CALM
23-09-2025	24-09-2025	76	25	9	BDL		CLOUDY/CALM
24-09-2025	25-09-2025	86	29	10	BDL		CLOUDY/CALM
28-09-2025	29-09-2025	66	17	7	BDL		RAINY/CALM
29-09-2025	30-09-2025	78	22	8	BDL		CLOUDY/CALM
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		
03-09-2025	04-09-2025	78	24	9	BDL		CLOUDY/CALM
04-09-2025	05-09-2025	85	29	10	BDL		CLOUDY/CALM
10-09-2025	11-09-2025	70	22	7	BDL		CLOUDY/CALM
11-09-2025	12-09-2025	69	18	6	BDL		CLOUDY/CALM
17-09-2025	18-09-2025	83	27	10	BDL		CLOUDY/CALM
18-09-2025	19-09-2025	77	25	9	BDL		CLOUDY/CALM
23-09-2025	24-09-2025	71	21	8	BDL		CLOUDY/CALM
24-09-2025	25-09-2025	83	30	10	BDL		CLOUDY/CALM
28-09-2025	29-09-2025	66	15	7	BDL		RAINY/CALM
29-09-2025	30-09-2025	74	19	8	BDL		CLOUDY/CALM
NAAQS, 2009		100	60	80	80		



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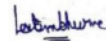
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-09-25 TO 15-10-25

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
06-09-2025	8.93	22	36	BDL
20-09-2025	8.70	34	48	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
07-09-2025	9.38	24	32	BDL
20-09-2025	8.75	20	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
06-09-2025	22		12
20-09-2025	26		14
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100		30



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP:		BSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	67.9	62.7
SEPT'25	26-09-2025	67.7	63.8
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
SEPT'25	12-09-2025	46.7	41.8
SEPT'25	26-09-2025	45.8	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		55	45



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ENVIRONMENTAL MONITORING REPORT

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BALLARPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-25/49		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25	

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)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
06-09-2025	07-09-2025	276	195	49	14	10	CLOUDY/CALM
20-09-2025	21-09-2025	255	170	38	11	BDL	CLOUDY/CALM
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)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
06-09-2025	07-09-2025	296	212	56	17	14	CLOUDY/CALM
20-09-2025	21-09-2025	277	192	48	15	13	CLOUDY/CALM
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		
03-09-2025	04-09-2025	77	25	9	BDL	CLOUDY/CALM	
04-09-2025	05-09-2025	87	29	10	BDL	CLOUDY/CALM	
10-09-2025	11-09-2025	91	34	11	BDL	CLOUDY/CALM	
11-09-2025	12-09-2025	82	30	10	BDL	CLOUDY/CALM	
17-09-2025	18-09-2025	73	22	8	BDL	CLOUDY/CALM	
18-09-2025	19-09-2025	88	28	9	BDL	CLOUDY/CALM	
23-09-2025	24-09-2025	75	21	7	BDL	CLOUDY/CALM	
24-09-2025	25-09-2025	89	28	9	BDL	CLOUDY/CALM	
28-09-2025	29-09-2025	67	18	7	BDL	RAINY/CALM	
29-09-2025	30-09-2025	78	24	8	BDL	CLOUDY/CALM	
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		
03-09-2025	04-09-2025	78	24	9	BDL	CLOUDY/CALM	
04-09-2025	05-09-2025	85	29	10	BDL	CLOUDY/CALM	
10-09-2025	11-09-2025	70	22	7	BDL	CLOUDY/CALM	
11-09-2025	12-09-2025	69	18	6	BDL	CLOUDY/CALM	
17-09-2025	18-09-2025	83	27	10	BDL	CLOUDY/CALM	
18-09-2025	19-09-2025	77	25	9	BDL	CLOUDY/CALM	
23-09-2025	24-09-2025	71	21	8	BDL	CLOUDY/CALM	
24-09-2025	25-09-2025	83	30	10	BDL	CLOUDY/CALM	
28-09-2025	29-09-2025	66	15	7	BDL	RAINY/CALM	
29-09-2025	30-09-2025	74	19	8	BDL	CLOUDY/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
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
SEPT'25	12-09-2025	46.5	41.6
SEPT'25	26-09-2025	45.7	41.5
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



SEPTEMBER 2025



Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/31	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM _{2.5} : IS 5182 (Part 24), NO ₂ : IS 5182 (Part-06), SO ₂ : IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/25 TO 15/10/25

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	
07-09-2025	08-09-2025	390	163	43	31	23	Clear/calm
25-09-2025	26-09-2025	372	153	39	27	19	Rain,Cloudy/Breeze
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	
07-09-2025	08-09-2025	373	158	37	26	18	
25-09-2025	26-09-2025	351	149	32	24	17	Rain,Cloudy/Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI VILLAGE CBOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	71	25	18	15	Rain, Partially cloudy/Breeze
06-09-2025	07-09-2025	68	20	20	12	Rain, Partially cloudy/Breeze
11-09-2025	12-09-2025	79	23	23	15	cloudy/Moderate Breeze
12-09-2025	13-09-2025	70	21	21	13	Partially Cloudy/Light Breeze
18-09-2025	19-09-2025	69	22	23	13	Rain,Overcast,Cloudy/Breeze
19-09-2025	20-09-2025	67	19	23	12	Rain,Overcast,Cloudy/Breeze
24-09-2025	25-09-2025	78	24	21	14	Partially Cloudy/Light Breeze
25-09-2025	26-09-2025	69	19	24	13	Rain,,Cloudy/Breeze
28-09-2025	29-09-2025	78	27	26	18	cloudy/Calm
29-09-2025	30-09-2025	81	26	25	17	Partially Cloudy/Light Breeze
NAAQS, 2009		100	60	80	80	

VADHOLI VILLAGE CBOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	70	20	18	12	Rain, Partially cloudy/Breeze
06-09-2025	07-09-2025	66	17	16	11	Rain, Partially cloudy/Breeze
11-09-2025	12-09-2025	72	23	23	16	cloudy/Moderate Breeze
12-09-2025	13-09-2025	78	21	21	13	Partially Cloudy/Light Breeze
18-09-2025	19-09-2025	67	20	14	10	Rain,Overcast,Cloudy/Breeze
19-09-2025	20-09-2025	69	16	17	10	Rain,Overcast,Cloudy/Breeze
24-09-2025	25-09-2025	80	20	22	14	Partially Cloudy/Light Breeze
25-09-2025	26-09-2025	72	21	19	13	Rain,,Cloudy/Breeze
28-09-2025	29-09-2025	79	23	24	15	cloudy/Calm
29-09-2025	30-09-2025	73	18	20	11	Partially Cloudy/Light Breeze
NAAQS, 2009		100	60	80	80	

BHATADI COLONY CBOA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	68	18	15	10	Rain, Partially cloudy/Breeze
06-09-2025	07-09-2025	69	22	18	13	Rain, Partially cloudy/Breeze
11-09-2025	12-09-2025	70	25	20	12	cloudy/Moderate Breeze
12-09-2025	13-09-2025	79	27	23	15	Partially Cloudy/Light Breeze
18-09-2025	19-09-2025	72	25	17	11	Rain,Overcast,Cloudy/Breeze
19-09-2025	20-09-2025	71	23	16	12	Rain,Overcast,Cloudy/Breeze
24-09-2025	25-09-2025	78	30	27	20	Partially Cloudy/Light Breeze
25-09-2025	26-09-2025	73	23	17	12	Rain,,Cloudy/Breeze
28-09-2025	29-09-2025	80	28	24	16	cloudy/Calm
29-09-2025	30-09-2025	83	26	25	17	Partially Cloudy/Light 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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :			16/09/25 TO 15/10/25

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
07.09.2025	7.28	34	28	BDL
25.09.2025	7.40	42	32	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
07.09.2025	7.66	26	20	BDL
25.09.2025	7.70	28	32	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
07.09.2025	28	4.6
25.09.2025	32	3.6
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
SAMPLING METHOD	LSOP 6

CHP: CBON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	68.6	67.3
SEPT'25	25-09-2025	70.2	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CBON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	43.9	41.5
SEPT'25	25-09-2025	43.1	41.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

CRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/32	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/25 TO 15/10/25

MANAGER OFFICE MAHAKALI UG CMKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-09-2025	13-09-2025	338	128	39	28	19	Partially Cloudy/Light Breeze
26-09-2025	27-09-2025	321	120	33	25	17	Rain/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	340	130	33	23	18	Rain, Partially cloudy/Breeze
19-09-2025	20-09-2025	329	124	30	20	15	Rain,Overcast,Cloudy/Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	334	125	33	22	16	Rain, Partially cloudy/Breeze
19-09-2025	20-09-2025	311	111	24	20	13	Rain,Overcast,Cloudy/Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-09-2025	02-09-2025	61	18	18	10	Rain/Light Breeze	
02-09-2025	03-09-2025	67	22	20	14	Rain/Light Breeze	
08-09-2025	09-09-2025	72	23	22	12	Clear/Calm	
09-09-2025	10-09-2025	75	24	21	13	Clear/Calm	
13-09-2025	14-09-2025	76	25	23	15	cloudy/Calm	
16-09-2025	17-09-2025	71	28	24	14	cloudy/calm	
21-09-2025	22-09-2025	68	21	19	11	Rain/Light Breeze	
22-09-2025	23-09-2025	77	26	23	12	cloudy/Calm	
27-09-2025	28-09-2025	74	23	21	13	cloudy/Calm	
28-09-2025	29-09-2025	78	25	24	11	Partially Cloudy/Light Breeze	
NAAQS, 2009		100	60	80	80		


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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP		CCRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	68.5	65.9
SEPT'25	25-09-2025	67.7	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MKC)		CCRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	44.5	42.9
SEPT'25	25-09-2025	43.3	41.3
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/SEPT-25/33	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/25 TO 15/10/25

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	
05-09-2025	06-09-2025	343	119	30	24	19	Rain, Partially cloudy/Breeze
19-09-2025	20-09-2025	334	115	26	19	16	Rain,Overcast,Cloudy/Breeze
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	
05-09-2025	06-09-2025	324	111	29	18	15	Rain, Partially cloudy/Breeze
20-09-2025	21-09-2025	351	125	35	24	20	Cloudy/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		
01-09-2025	02-09-2025	70	26	23	15		Rain/Light Breeze
02-09-2025	03-09-2025	66	23	18	10		Rain/Light Breeze
08-09-2025	09-09-2025	73	25	19	12		Clear/Calm
09-09-2025	10-09-2025	72	22	21	13		Clear/Calm
13-09-2025	14-09-2025	75	25	20	17		cloudy/Calm
16-09-2025	17-09-2025	71	27	22	16		cloudy/calm
21-09-2025	22-09-2025	68	25	17	14		Rain/Light Breeze
22-09-2025	23-09-2025	77	26	22	12		cloudy/Calm
27-09-2025	28-09-2025	76	24	18	16		cloudy/Calm
28-09-2025	29-09-2025	78	28	23	18		Partially Cloudy/Light Breeze
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		
01-09-2025	02-09-2025	65	22	17	11		Rain/Light Breeze
02-09-2025	03-09-2025	68	24	21	13		Rain/Light Breeze
08-09-2025	09-09-2025	75	22	24	17		Clear/Calm
09-09-2025	10-09-2025	76	26	23	16		Clear/Calm
13-09-2025	14-09-2025	70	21	22	14		cloudy/Calm
16-09-2025	17-09-2025	74	25	23	16		cloudy/calm
21-09-2025	22-09-2025	67	21	19	12		Rain/Light Breeze
22-09-2025	23-09-2025	70	23	21	15		cloudy/Calm
27-09-2025	28-09-2025	77	27	25	18		cloudy/Calm
28-09-2025	29-09-2025	72	24	22	17		Partially Cloudy/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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/09/25 TO 15/10/25

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
05.09.2025	7.24	27	16	BDL
20.09.2025	7.62	33	20	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
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
SEPT'25	12-09-2025	68.8	66.6
SEPT'25	25-09-2025	67.7	65.5
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
SEPT'25	12-09-2025	45.6	43.2
SEPT'25	25-09-2025	44.1	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


Yogesh Pidurkar
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Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

DURGAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 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/SEPT-25/34	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/25 TO 15/10/25

MANAGER OFFICE-SECTOR V CDOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-09-2025	07-09-2025	360	139	37	24	17
20-09-2025	21-09-2025	375	147	43	27	20
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
05-09-2025	06-09-2025	70	19	22	15	Rain, Partially cloudy/Breeze
06-09-2025	07-09-2025	68	19	21	13	Rain, Partially cloudy/Breeze
11-09-2025	12-09-2025	78	25	27	18	cloudy/Moderate Breeze
12-09-2025	13-09-2025	73	25	23	14	Partially Cloudy/Light Breeze
18-09-2025	19-09-2025	69	22	24	12	Rain,Overcast,Cloudy/Breeze
19-09-2025	20-09-2025	70	22	20	13	Rain,Overcast,Cloudy/Breeze
24-09-2025	25-09-2025	81	28	23	15	Partially Cloudy/Light Breeze
25-09-2025	26-09-2025	71	25	22	15	Rain,,Cloudy/Breeze
28-09-2025	29-09-2025	79	26	29	20	cloudy/Calm
29-09-2025	30-09-2025	84	29	25	17	Partially Cloudy/Light Breeze
NAAQS, 2009		100	60	80	80	

MANAGER OFFICE Q-IV CDOA3 (Durgapur OC)						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-09-2025	07-09-2025	355	141	36	26	19
20-09-2025	21-09-2025	381	149	40	31	22
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
05-09-2025	06-09-2025	71	20	19	16	Rain, Partially cloudy/Breeze
06-09-2025	07-09-2025	74	21	18	15	Rain, Partially cloudy/Breeze
11-09-2025	12-09-2025	79	30	24	19	cloudy/Moderate Breeze
12-09-2025	13-09-2025	83	31	28	18	Partially Cloudy/Light Breeze
18-09-2025	19-09-2025	72	22	22	17	Rain,Overcast,Cloudy/Breeze
19-09-2025	20-09-2025	73	22	18	15	Rain,Overcast,Cloudy/Breeze
24-09-2025	25-09-2025	88	33	33	21	Partially Cloudy/Light Breeze
25-09-2025	26-09-2025	75	24	31	20	Rain,,Cloudy/Breeze
28-09-2025	29-09-2025	91	34	35	23	cloudy/Calm
29-09-2025	30-09-2025	77	25	33	22	Partially Cloudy/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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/09/25 TO 15/10/25

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
06.09.2025	7.48	40	24	BDL
20.09.2025	7.45	41	28	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
06.09.2025	7.76	45	36	BDL
20.09.2025	7.86	33	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/09/25 TO 15/10/25

NAME OF LOCATION:		MINE WATER DISCHARGE Q-V					
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	Standard for Discharge PARTA Schedule VI	Analysis result		Remarks
					06.09.2025	20.09.2025	
1	pH Value	IS 3025 Part-11 Electrometric Method	2	5.5 to 9.0	3.12	3.11	
2	TSS mg/l	IS 3025 Part-17 Gravimetric Method	10	100	43	48	
3	Oil & Grease mg/l	IS 3025 Part-39 Partition Gravimetric Method	2	10	3.1	3.8	
4	C.O.D mg/l	APHA,(24th Ed.) 5220C Closed Reflux Method	4	250	16	28	
5	Sulphate (as SO ₄ ²⁻) - mg/l	APHA (24th Ed.) 4500E Turbidimetric Method	2		311	328	
6	Chlorides (as Cl ⁻) - mg/l	IS 3025 Part-32 Argentometric Method	2		62	58	
7	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25		2084	2214	

NAME OF LOCATION:		WATER SAMPLE FROM ABANDONED POC QUARRY					
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	Standard for Discharge PARTA Schedule VI	Analysis result		Remarks
					06.09.2025	20.09.2025	
1	pH Value	IS 3025 Part-11 Electrometric Method	2	5.5 to 9.0	3.98	3.84	
2	TSS mg/l	IS 3025 Part-17 Gravimetric Method	10	100	34	39	
3	Oil & Grease mg/l	IS 3025 Part-39 Partition Gravimetric Method	2	10	2.5	1.9	
4	C.O.D mg/l	APHA,(24th Ed.) 5220C Closed Reflux Method	4	250	12	24	
5	Sulphate (as SO ₄ ²⁻) - mg/l	APHA (24th Ed.) 4500E Turbidimetric Method	2		245	259	
6	Chlorides (as Cl ⁻) - mg/l	IS 3025 Part-32 Argentometric Method	2		48	42	
7	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25		1345	1328	


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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP:		CDON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	70.2	68.6
SEPT'25	25-09-2025	71.5	69.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	45.6	43.2
SEPT'25	25-09-2025	44.1	42.9
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



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/37	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/25 TO 15/10/25

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	
03-09-2025	04-09-2025	352	143	35	24	Rain/Light Breeze
19-09-2025	20-09-2025	345	132	31	27	Rain,Overcast,Cloudy/Breeze
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	
04-09-2025	05-09-2025	360	147	37	28	Rain/Light Breeze
19-09-2025	20-09-2025	351	138	33	26	Rain,Overcast,Cloudy/Breeze
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	
03-09-2025	04-09-2025	67	23	21	11	Rain/Light Breeze
04-09-2025	05-09-2025	69	17	20	12	Rain/Light Breeze
10-09-2025	11-09-2025	71	20	22	13	Clear/Calm
11-09-2025	12-09-2025	74	23	20	15	cloudy/ Moderate Breeze
17-09-2025	18-09-2025	78	23	19	17	cloudy/Calm
18-09-2025	19-09-2025	61	19	14	BDL	Rain,Overcast,Cloudy/Calm
23-09-2025	24-09-2025	72	23	17	17	cloudy/Calm
24-09-2025	25-09-2025	75	22	22	18	Partially Cloudy/Light Breeze
28-09-2025	29-09-2025	80	25	20	19	cloudy/Calm
29-09-2025	30-09-2025	74	17	23	20	Partially Cloudy/Light Breeze
NAAQS, 2009		100	60	80	80	

RAJIV GANDHI ENGG. COLLEGE CHUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-09-2025	04-09-2025	64	19	13	10	Rain/Light Breeze
04-09-2025	05-09-2025	68	24	19	16	Rain/Light Breeze
10-09-2025	11-09-2025	76	25	22	18	Clear/Calm
11-09-2025	12-09-2025	71	17	23	16	cloudy/ Moderate Breeze
17-09-2025	18-09-2025	70	17	19	14	cloudy/Calm
18-09-2025	19-09-2025	67	23	16	12	Rain,Overcast,Cloudy/Calm
23-09-2025	24-09-2025	75	25	19	16	cloudy/Calm
24-09-2025	25-09-2025	71	20	21	14	Partially Cloudy/Light Breeze
28-09-2025	29-09-2025	76	26	20	18	cloudy/Calm
29-09-2025	30-09-2025	74	24	23	14	Partially Cloudy/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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/09/25 TO 15/10/25

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
04.09.2025	7.30	31	24	BDL
19.09.2025	7.51	36	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE(HLP-I): CHUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.09.2025	7.49	39	20	BDL
19.09.2025	7.31	33	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
SAMPLING METHOD	LSOP 6

FAN HOUSE-I: CHUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	69.1	67.2
SEPT'25	25-09-2025	68.8	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CHUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	44.4	43.3
SEPT'25	25-09-2025	43.2	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

HLP OC

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/35	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES: 16/09/25 TO 15/10/25		

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	
07-09-2025	08-09-2025	338	142	35	26	19	Clear/calm
25-09-2025	26-09-2025	328	126	26	20	14	Rain, Cloudy/Breeze
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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-09-2025	13-09-2025	383	164	44	31	20	Partially Cloudy/Light Breeze
26-09-2025	27-09-2025	365	142	34	27	16	Rain/Light Breeze
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-09-2025	04-09-2025	63	20	16	10		Rain/Light Breeze
04-09-2025	05-09-2025	67	27	15	BDL		Rain/Light Breeze
10-09-2025	11-09-2025	75	24	21	14		Clear/Calm
11-09-2025	12-09-2025	78	19	19	15		cloudy/ Moderate Breeze
17-09-2025	18-09-2025	73	22	14	11		cloudy/Calm
18-09-2025	19-09-2025	65	23	19	BDL		Rain,Overcast,Cloudy/Calm
23-09-2025	24-09-2025	77	20	18	12		cloudy/Calm
24-09-2025	25-09-2025	73	21	17	11		Partially Cloudy/Light Breeze
28-09-2025	29-09-2025	76	25	15	12		cloudy/Calm
29-09-2025	30-09-2025	74	19	18	13		Partially Cloudy/Light Breeze
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-09-2025	06-09-2025	66	20	16	13		Rain, Partially cloudy/Breeze
06-09-2025	07-09-2025	68	22	20	BDL		Rain, Partially cloudy/Breeze
11-09-2025	12-09-2025	71	23	20	11		cloudy/Moderate Breeze
12-09-2025	13-09-2025	79	26	19	13		Partially Cloudy/Light Breeze
18-09-2025	19-09-2025	63	19	21	14		Rain,Overcast,Cloudy/Breeze
19-09-2025	20-09-2025	65	18	15	BDL		Rain,Overcast,Cloudy/Breeze
24-09-2025	25-09-2025	74	24	17	11		Partially Cloudy/Light Breeze
25-09-2025	26-09-2025	70	22	21	13		Rain,Cloudy/Breeze
28-09-2025	29-09-2025	76	23	18	12		cloudy/Calm
29-09-2025	30-09-2025	78	24	19	15		Partially Cloudy/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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/09/25 TO 15/10/25

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
12.09.2025	3.62	48	16	BDL
26.09.2025	3.67	52	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
SAMPLING METHOD	LSOP 6

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	12-09-2025	69.5	67.7
SEPT'25	25-09-2025	68.9	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	12-09-2025	43.9	42.2
SEPT'25	25-09-2025	43.2	42.9
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



SEPTEMBER 2025



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

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-25/37		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16/09/25 TO 15/10/25	

MANAGER OFFICE MAHAKALI UG CMKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-09-2025	13-09-2025	338	128	39	28	19	Partially Cloudy/Light Breeze
26-09-2025	27-09-2025	321	120	33	25	17	Rain/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	340	130	33	23	18	Rain, Partially cloudy/Breeze
19-09-2025	20-09-2025	329	124	30	20	15	Rain,Overcast,Cloudy/Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3(C.R.C-U/G)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	334	125	33	22	16	Rain, Partially cloudy/Breeze
19-09-2025	20-09-2025	311	111	24	20	13	Rain,Overcast,Cloudy/Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-09-2025	02-09-2025	61	18	18	10	Rain/Light Breeze	
02-09-2025	03-09-2025	67	22	20	14	Rain/Light Breeze	
08-09-2025	09-09-2025	72	23	22	12	Clear/Calm	
09-09-2025	10-09-2025	75	24	21	13	Clear/Calm	
13-09-2025	14-09-2025	76	25	23	15	cloudy/Calm	
16-09-2025	17-09-2025	71	28	24	14	cloudy/calm	
21-09-2025	22-09-2025	68	21	19	11	Rain/Light Breeze	
22-09-2025	23-09-2025	77	26	23	12	cloudy/Calm	
27-09-2025	28-09-2025	74	23	21	13	cloudy/Calm	
28-09-2025	29-09-2025	78	25	24	11	Partially Cloudy/Light 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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :			16/09/25 TO 15/10/25

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
05.09.2025	7.21	36	28	BDL
19.09.2025	7.42	43	16	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
SAMPLING METHOD	LSOP 6

FAN HOUSE: CMKUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	68.1	66.2
SEPT'25	25-09-2025	67.7	65.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MAHAKALI): CMKUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	44.5	42.9
SEPT'25	25-09-2025	43.3	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

MANA UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/38	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/25 TO 15/10/25

MANAGER OFFICE CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-09-2025	13-09-2025	351	133	36	24	17	Partially Cloudy/Light Breeze
26-09-2025	27-09-2025	330	122	29	21	15	Rain/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE CMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-09-2025	13-09-2025	358	140	36	26	20	Partially Cloudy/Light Breeze
26-09-2025	27-09-2025	336	133	31	24	18	Rain/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (NANDGAON) CNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-09-2025	04-09-2025	66	20	16	13		Rain/Light Breeze
04-09-2025	05-09-2025	68	22	20	BDL		Rain/Light Breeze
10-09-2025	11-09-2025	71	23	20	11		Clear/Calm
11-09-2025	12-09-2025	79	26	19	13		cloudy/ Moderate Breeze
17-09-2025	18-09-2025	63	19	21	14		cloudy/Calm
18-09-2025	19-09-2025	65	18	15	BDL		Rain,Overcast,Cloudy/Calm
23-09-2025	24-09-2025	74	24	17	11		cloudy/Calm
24-09-2025	25-09-2025	70	22	21	13		Partially Cloudy/Light Breeze
28-09-2025	29-09-2025	76	23	18	12		cloudy/Calm
29-09-2025	30-09-2025	78	24	19	15		Partially Cloudy/Light Breeze
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-09-2025	04-09-2025	63	20	16	10		Rain/Light Breeze
04-09-2025	05-09-2025	67	27	15	BDL		Rain/Light Breeze
10-09-2025	11-09-2025	75	24	21	14		Clear/Calm
11-09-2025	12-09-2025	78	19	19	15		cloudy/ Moderate Breeze
17-09-2025	18-09-2025	73	22	14	11		cloudy/Calm
18-09-2025	19-09-2025	65	23	19	BDL		Rain,Overcast,Cloudy/Calm
23-09-2025	24-09-2025	77	20	18	12		cloudy/Calm
24-09-2025	25-09-2025	73	21	17	11		Partially Cloudy/Light Breeze
28-09-2025	29-09-2025	76	25	15	12		cloudy/Calm
29-09-2025	30-09-2025	74	19	18	13		Partially Cloudy/Light Breeze
		100	60	80	80		


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/09/25 TO 15/10/25

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
12.09.2025	7.34	28	20	BDL
26.09.2025	7.47	32	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
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
SEPT'25	12-09-2025	56.7	54.9
SEPT'25	25-09-2025	55.9	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
SEPT'25	12-09-2025	43.9	42.2
SEPT'25	25-09-2025	43.2	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

NANDGAON UG

CHANDRAPUR AREA

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SEPTEMBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/39	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/25 TO 15/10/25

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	
07-09-2025	08-09-2025	338	142	35	26	19	Clear/calm
25-09-2025	26-09-2025	328	126	26	20	14	Rain, Cloudy/Breeze
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	
12-09-2025	13-09-2025	358	140	36	26	20	Partially Cloudy/Light Breeze
26-09-2025	27-09-2025	336	133	31	24	18	Rain/Light Breeze
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 µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-09-2025	04-09-2025	63	20	16	10	Rain/Light Breeze
04-09-2025	05-09-2025	67	27	15	BDL	Rain/Light Breeze
10-09-2025	11-09-2025	75	24	21	14	Clear/Calm
11-09-2025	12-09-2025	78	19	19	15	cloudy/ Moderate Breeze
17-09-2025	18-09-2025	73	22	14	11	cloudy/Calm
18-09-2025	19-09-2025	65	23	19	BDL	Rain,Overcast,Cloudy/Calm
23-09-2025	24-09-2025	77	20	18	12	cloudy/Calm
24-09-2025	25-09-2025	73	21	17	11	Partially Cloudy/Light Breeze
28-09-2025	29-09-2025	76	25	15	12	cloudy/Calm
29-09-2025	30-09-2025	74	19	18	13	Partially Cloudy/Light Breeze
NAAQS, 2009		100	60	80	80	

COLONY (NANDGAON)			CNUA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-09-2025	06-09-2025	66	20	16	13	Rain, Partially cloudy/Breeze
06-09-2025	07-09-2025	68	22	20	BDL	Rain, Partially cloudy/Breeze
11-09-2025	12-09-2025	71	23	20	11	cloudy/Moderate Breeze
12-09-2025	13-09-2025	79	26	19	13	Partially Cloudy/Light Breeze
18-09-2025	19-09-2025	63	19	21	14	Rain,Overcast,Cloudy/Breeze
19-09-2025	20-09-2025	65	18	15	BDL	Rain,Overcast,Cloudy/Breeze
24-09-2025	25-09-2025	74	24	17	11	Partially Cloudy/Light Breeze
25-09-2025	26-09-2025	70	22	21	13	Rain,,Cloudy/Breeze
28-09-2025	29-09-2025	76	23	18	12	cloudy/Calm
29-09-2025	30-09-2025	78	24	19	15	Partially Cloudy/Light Breeze
NAAQS, 2009		100	60	80	80	


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/09/25 TO 15/10/25

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
12.09.2025	7.19	33	24	BDL
26.09.2025	7.42	41	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
SAMPLING METHOD	LSOP 6

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	67.6	65.1
SEPT'25	25-09-2025	68.3	66.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP OC:		CHON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	43.9	42.2
SEPT'25	25-09-2025	43.2	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PADMAPUR OC

CHANDRAPUR AREA

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SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/40	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16/09/25 TO 15/10/25	

MANAGER OFFICE Q-IV/ CPOA1 (Padmapur)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-09-2025	07-09-2025	364	134	34	25	19	Rain, Partially cloudy/Breeze
20-09-2025	21-09-2025	382	142	41	28	22	Cloudy/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE Q-IV / CDOA3 (Durgapur OC)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-09-2025	07-09-2025	355	141	36	26	19	Rain, Partially cloudy/Breeze
20-09-2025	21-09-2025	381	149	40	31	22	Cloudy/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	
07-09-2025	08-09-2025	72	20	16	12	Clear/calm
25-09-2025	26-09-2025	75	25	20	14	Rain, Cloudy/Breeze
		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	
01-09-2025	02-09-2025	66	23	20	12	Rain/Light Breeze
02-09-2025	03-09-2025	68	18	16	10	Rain/Light Breeze
08-09-2025	09-09-2025	73	25	18	14	Clear/Calm
09-09-2025	10-09-2025	70	20	19	11	Clear/Calm
13-09-2025	14-09-2025	75	22	20	15	cloudy/Calm
16-09-2025	17-09-2025	71	23	22	13	cloudy/calm
21-09-2025	22-09-2025	67	19	16	10	Rain/Light Breeze
22-09-2025	23-09-2025	69	21	15	12	cloudy/Calm
27-09-2025	28-09-2025	72	25	16	13	cloudy/Calm
28-09-2025	29-09-2025	77	20	21	15	Partially Cloudy/Light Breeze
NAAQS, 2009		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	
06-09-2025	07-09-2025	74	19	15	11	Rain, Partially cloudy/Breeze
20-09-2025	21-09-2025	81	24	18	13	Cloudy/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
SAMPLING METHOD	LSOP 6

CHP:		CPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	12-09-2025	67.7	64.8
SEPT'25	25-09-2025	66.4	65.4
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
SEPT'25	12-09-2025	45.6	43.2
SEPT'25	25-09-2025	44.1	42.9
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



SEPTEMBER 2025

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/50	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
05-09-2025	06-09-2025	300	172	60	18	15	RAINY SKY/MODERATE BREEZE
20-09-2025	21-09-2025	328	170	66	19	15	RAINY 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	
05-09-2025	06-09-2025	326	192	62	20	16	RAINY SKY/MODERATE BREEZE
20-09-2025	21-09-2025	340	200	68	22	17	RAINY 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	
06-09-2025	07-09-2025	348	198	63	22	17	CLOUDY SKY/MODERATE BREEZE
21-09-2025	22-09-2025	368	210	65	24	18	CLOUDY SKY/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAWARLA VILLAGE MMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
01-09-2025	02-09-2025	58	42	12	10		CLEAR SKY/LIGHT BREEZE
02-09-2025	03-09-2025	60	45	14	12		CLEAR SKY/LIGHT BREEZE
08-09-2025	09-09-2025	68	50	12	10		CLOUDY SKY/LIGHT BREEZE
09-09-2025	10-09-2025	61	52	16	13		CLOUDY SKY/MODERATE BREEZE
12-09-2025	13-09-2025	60	56	15	12		CLOUDY SKY/ LIGHT BREEZE
13-09-2025	14-09-2025	58	49	14	12		CLOUDY SKY/ LIGHT BREEZE
18-09-2025	19-09-2025	64	48	14	12		CLOUDY SKY/LIGHT BREEZE
19-09-2025	20-09-2025	62	50	16	14		RAINY SKY/MODERATE BREEZE
24-09-2025	25-09-2025	70	54	13	11		CLOUDY SKY/ LIGHT BREEZE
25-09-2025	26-09-2025	66	56	16	14		CLOUDY SKY/ LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

VISLON VILLAGE MMUA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		PM₁₀	PM_{2.5}	No₂	So₂	
01-09-2025	02-09-2025	70	50	14	10	CLEAR SKY/LIGHT BREEZE
02-09-2025	03-09-2025	68	52	18	14	CLEAR SKY/LIGHT BREEZE
08-09-2025	09-09-2025	60	46	12	BDL	CLOUDY SKY/LIGHT BREEZE
09-09-2025	10-09-2025	67	50	15	13	CLOUDY SKY/MODERATE BREEZE
12-09-2025	13-09-2025	69	48	13	11	CLOUDY SKY/ LIGHT BREEZE
13-09-2025	14-09-2025	72	50	14	12	CLOUDY SKY/ LIGHT BREEZE
18-09-2025	19-09-2025	74	55	14	12	CLOUDY SKY/LIGHT BREEZE
19-09-2025	20-09-2025	70	53	12	10	RAINY SKY/MODERATE BREEZE
24-09-2025	25-09-2025	76	56	14	12	CLOUDY SKY/ LIGHT BREEZE
25-09-2025	26-09-2025	69	50	14	10	CLOUDY SKY/ LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



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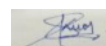
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
14-09-2025	7.40	40	32	BDL
27-09-2025	7.30	28	36	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
14-09-2025	7.62	38	32	BDL
29-09-2025	7.76	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
14-09-2025	30	9
27-09-2025	40	10.2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE:		MMUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	56.3	54.1
SEPT'25	27-09-2025	57.8	56.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

KUCHNA COLONY		MMON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	45.9	43.7
SEPT'25	27-09-2025	46.2	43.9
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



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/51	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
05-09-2025	06-09-2025	350	190	70	24	18	RAINY SKY/MODERATE BREEZE
20-09-2025	21-09-2025	340	200	72	26	20	RAINY 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	
05-09-2025	06-09-2025	300	172	60	18	15	RAINY SKY/MODERATE BREEZE
20-09-2025	21-09-2025	328	170	66	19	15	RAINY 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		
01-09-2025	02-09-2025	62	48	15	12	CLEAR SKY/LIGHT BREEZE	
02-09-2025	03-09-2025	68	52	14	12	CLEAR SKY/LIGHT BREEZE	
08-09-2025	09-09-2025	65	50	16	14	CLOUDY SKY/LIGHT BREEZE	
09-09-2025	10-09-2025	66	53	18	13	CLOUDY SKY/MODERATE BREEZE	
12-09-2025	13-09-2025	76	56	20	16	CLOUDY SKY/ LIGHT BREEZE	
13-09-2025	14-09-2025	70	49	18	15	CLOUDY SKY/ LIGHT BREEZE	
18-09-2025	19-09-2025	60	57	16	14	CLOUDY SKY/LIGHT BREEZE	
19-09-2025	20-09-2025	70	50	15	12	RAINY SKY/MODERATE BREEZE	
24-09-2025	25-09-2025	66	54	16	13	CLOUDY SKY/ LIGHT BREEZE	
25-09-2025	26-09-2025	76	58	18	14	CLOUDY SKY/ LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

KUCHANA COLONY MMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-09-2025	02-09-2025	60	58	16	14	CLEAR SKY/LIGHT BREEZE	
02-09-2025	03-09-2025	66	46	12	10	CLEAR SKY/LIGHT BREEZE	
08-09-2025	09-09-2025	56	40	14	11	CLOUDY SKY/LIGHT BREEZE	
09-09-2025	10-09-2025	63	50	15	13	CLOUDY SKY/MODERATE BREEZE	
12-09-2025	13-09-2025	60	48	14	12	CLOUDY SKY/ LIGHT BREEZE	
13-09-2025	14-09-2025	56	42	12	10	CLOUDY SKY/ LIGHT BREEZE	
18-09-2025	19-09-2025	70	50	20	15	CLOUDY SKY/LIGHT BREEZE	
19-09-2025	20-09-2025	66	56	15	12	RAINY SKY/MODERATE BREEZE	
24-09-2025	25-09-2025	60	48	13	10	CLOUDY SKY/ LIGHT BREEZE	
25-09-2025	26-09-2025	62	51	15	12	CLOUDY SKY/ LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
14-09-2025	7.58	36	40	BDL
27-09-2025	7.00	32	44	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
14-09-2025	7.48	46	28	BDL
29-09-2025	7.62	38	48	
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
14-09-2025	46	13.2
27-09-2025	34	14.4
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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

SAMPLE DESCRIPTION	NOISE SAMPLE	
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT	
SAMPLING METHOD	LSOP 6	

RAILWAY SIDING: MMON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	68.5	66.2
SEPT'25	27-09-2025	67.4	65.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PRIMARY HEALTH CENTER MAJRI BASTI MMON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	44.6	43.4
SEPT'25	27-09-2025	43.9	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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SURFACE WATER MONITORING REPORT

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO.4634420034



QE-SEPTEMBER 2025

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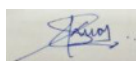
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report Surface water quality monitoring data	
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TEST REPORT NO.	RIN/TR/SEPT-25/SW19	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	MAJRI	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	YEKONA I & II OC	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		

NAME OF LOCATION: UP STREAM OF WARDHA RIVER W.R.T. MINE DISCHARGE				SAMPLING DATE: 11-07-2025
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	8.26
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	1
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	280
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.4
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	8.4
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL
13	Cadmium as (Cd)- mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL
14	Fluoride (as F ⁻) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.76
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO ³ B UV Spectrophotometric Method: 2017	0.5	4.00
17	Sulphate (as SO ₄ ²⁻) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	68.03
18	Chlorides (as Cl ⁻) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	34

BDL: BELOW DETECTION LIMIT



SCIENTIFIC ASSISTANT


Amol Kamble
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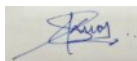
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report Surface water quality monitoring data	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/SW20	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	MAJRI	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	YEKONA I & II OC	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		

NAME OF LOCATION: DOWN STREAM OF WARDHA RIVER W.R.T. MINE DISCHARGE				SAMPLING DATE: 11-07-2025
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	8.20
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	2
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	286
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.8
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	9.0
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL
13	Cadmium as (Cd) - mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL
14	Fluoride (as F ⁻) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.52
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO ³ B UV Spectrophotometric Method: 2017	0.5	3.48
17	Sulphate (as SO ₄ ²⁻) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	92.05
18	Chlorides (as Cl ⁻) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	26

BDL: BELOW DETECTION LIMIT



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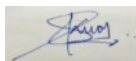
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TEST REPORT NO.	RIN/TR/SEPT-25/SW21	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	MAJRI	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	NEW MAJRI UG TO OC	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		

NAME OF LOCATION: UP STREAM OF WARDHA RIVER W.R.T. MINE DISCHARGE				SAMPLING DATE: 11-07-2025
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	8.47
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	2
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	200
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	5
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	5.4
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BDL
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL
13	Cadmium as (Cd)- mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL
14	Fluoride (as F ⁻) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.75
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO ³ B UV Spectrophotometric Method: 2017	0.5	3.20
17	Sulphate (as SO ₄ ⁻²) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	71.25
18	Chlorides (as Cl ⁻) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	22

BDL: BELOW DETECTION LIMIT



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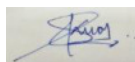
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TEST REPORT NO.	RIN/TR/SEPT-25/SW22	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
NAME OF AREA	MAJRI	SAMPLING METHOD: LSOP 5	
NAME OF PROJECT	NEW MAJRI UG TO OC	SAMPLING PLAN: LQR 47	
NO. OF PAGES	1		

NAME OF LOCATION: DOWN STREAM OF WARDHA RIVER W.R.T. MINE DISCHARGE				SAMPLING DATE: 11-07-2025
SL. NO.	PARAMETER	TEST METHOD	DETECTION LIMIT	ANALYSIS RESULT
1	pH Value	IS 3025 Part-11 Electrometric Method: 2017	2	8.36
2	Colour (Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	3
3	TDS -mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	200
4	Oil & Grease - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric Method	2	BDL
5	Dissolved Oxygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	6.0
6	B.O.D. (3 days at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	6.6
7	Arsenic (As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL
8	Lead as (Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BDL
9	Hexavalent Chromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BDL
10	Copper (as Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BDL
11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	0.011
12	Selenium (Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BDL
13	Cadmium as (Cd)- mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.0005	BDL
14	Fluoride (as F ⁻) - mg/l	APHA, 23rd Edition 4500-F D SPADNS Method: 2017	0.02	0.90
15	Iron (as Fe) -mg/l	IS 3025 Part-53 AAS Flame Method:2014	0.06	BDL
16	Nitrate Nitrogen - mg/l	APHA, 23rd Edition 4500-NO ³ B UV Spectrophotometric Method: 2017	0.5	3.62
17	Sulphate (as SO ₄ ⁻²) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	96.42
18	Chlorides (as Cl ⁻) - mg/l	IS 3025 Part-32 1988 Argentometric Method:2014	2	14

BDL: BELOW DETECTION LIMIT



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ENVIRONMENTAL MONITORING REPORT

YEKONA I & II OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/52	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

PIT OFFICE MYOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-09-2025	07-09-2025	5	5	2	6	10
21-09-2025	22-09-2025	366	198	68	22	16
		354	190	62	20	16
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						
CLOUDY SKY/LIGHT BREEZE						
CLOUDY SKY/LIGHT BREEZE						

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	
03-09-2025	04-09-2025	5	2	6	10	CLOUDY SKY/MODERATE BREEZE
04-09-2025	05-09-2025	64	50	16	13	CLOUDY SKY/LIGHT BREEZE
10-09-2025	11-09-2025	60	42	14	12	RAINY SKY/LIGHT BREEZE
11-09-2025	12-09-2025	56	40	16	14	RAINY SKY/LIGHT BREEZE
16-09-2025	17-09-2025	64	48	15	13	CLOUDY SKY/MODERATE BREEZE
17-09-2025	18-09-2025	68	52	16	14	CLOUDY SKY/LIGHT BREEZE
22-09-2025	23-09-2025	70	54	14	10	CLOUDY SKY/LIGHT BREEZE
23-09-2025	24-09-2025	67	49	14	11	CLOUDY SKY/LIGHT BREEZE
28-09-2025	29-09-2025	70	52	16	14	RAINY SKY/ MODERATE BREEZE
29-09-2025	30-09-2025	76	58	15	12	
NAAQS, 2009		68	54	14	12	
		100	60	80	80	

DANDGAON VILLAGE MYOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-09-2025	04-09-2025	60	50	15	12	CLOUDY SKY/MODERATE BREEZE
04-09-2025	05-09-2025	68	54	14	12	CLOUDY SKY/LIGHT BREEZE
10-09-2025	11-09-2025	76	56	16	14	RAINY SKY/LIGHT BREEZE
11-09-2025	12-09-2025	65	50	18	14	RAINY SKY/LIGHT BREEZE
16-09-2025	17-09-2025	70	56	15	11	CLOUDY SKY/MODERATE BREEZE
17-09-2025	18-09-2025	78	58	16	13	CLOUDY SKY/LIGHT BREEZE
22-09-2025	23-09-2025	69	54	15	12	CLOUDY SKY/LIGHT BREEZE
23-09-2025	24-09-2025	72	56	14	11	CLOUDY SKY/LIGHT BREEZE
28-09-2025	29-09-2025	70	60	15	12	RAINY SKY/LIGHT BREEZE
29-09-2025	30-09-2025	66	48	14	12	RAINY 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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-09-2025	04-09-2025	60	45	15	12	CLOUDY SKY/MODERATE BREEZE
04-09-2025	05-09-2025	74	52	16	13	CLOUDY SKY/LIGHT BREEZE
10-09-2025	11-09-2025	66	48	14	12	RAINY SKY/LIGHT BREEZE
11-09-2025	12-09-2025	70	52	20	16	RAINY SKY/LIGHT BREEZE
16-09-2025	17-09-2025	70	50	17	12	CLOUDY SKY/MODERATE BREEZE
17-09-2025	18-09-2025	62	51	15	13	CLOUDY SKY/LIGHT BREEZE
22-09-2025	23-09-2025	74	50	20	16	CLOUDY SKY/LIGHT BREEZE
23-09-2025	24-09-2025	70	52	16	14	CLOUDY SKY/LIGHT BREEZE
28-09-2025	29-09-2025	68	56	17	13	RAINY SKY/LIGHT BREEZE
29-09-2025	30-09-2025	72	54	15	12	RAINY 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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	
FROM	TO	5	5	2	6	10
06-09-2025	07-09-2025	386	210	69	23	19
21-09-2025	22-09-2025	366	206	70	24	18
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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
14-09-2025	7.76	42	36	BDL
27-09-2025	7.66	40	32	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
14-09-2025	7.74	34	44	BDL
27-09-2025	7.84	46	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP : MYOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14-09-2025	7.58	32	48	BDL
29-09-2025	7.94	34	44	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	
14-09-2025	54		11.4	
27-09-2025	48		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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

PIT OFFICE		MYON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	12-09-2025	57.9	56.8
SEPT'25	27-09-2025	58.9	55.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

YEKONA VILLAGE		MYON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	12-09-2025	44.8	43.7
SEPT'25	27-09-2025	43.9	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


Yogesh Pidurkar
Reviewed by


Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

ADASA UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025



Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/1	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
05-09-2025	06-09-2025	334	181	44	36	19	CLOUDY/WINDY
19-09-2025	20-09-2025	345	189	47	37	18	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MARember 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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	71	36	29	BDL	CLOUDY/CALM
02-09-2025	03-09-2025	64	34	20	BDL	CLOUDY/WINDY
08-09-2025	09-09-2025	63	26	26	BDL	CLOUDY/WINDY
09-09-2025	10-09-2025	66	33	28	BDL	CLOUDY/CALM
13-09-2025	14-09-2025	75	32	23	BDL	CLOUDY/LIGHT BREEZE
16-09-2025	17-09-2025	68	32	23	BDL	RAINY/LIGHT BREEZE
21-09-2025	22-09-2025	62	30	31	BDL	CLEAR/LIGHT BREEZE
22-09-2025	23-09-2025	69	39	30	BDL	CLEAR/MODERATE BREEZE
26-09-2025	27-09-2025	60	43	24	BDL	CLEAR/MODERATE BREEZE
27-09-2025	28-09-2025	66	37	29	BDL	RAINY/MODERATE 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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	61	41	27	BDL	CLOUDY/CALM
02-09-2025	03-09-2025	65	37	21	BDL	CLOUDY/WINDY
08-09-2025	09-09-2025	58	43	22	BDL	CLOUDY/WINDY
09-09-2025	10-09-2025	70	31	20	BDL	CLOUDY/CALM
13-09-2025	14-09-2025	64	32	27	BDL	CLOUDY/LIGHT BREEZE
16-09-2025	17-09-2025	64	31	23	BDL	RAINY/MODERATE BREEZE
21-09-2025	22-09-2025	63	36	25	BDL	RAINY/MODERATE BREEZE
22-09-2025	23-09-2025	67	38	28	BDL	RAINY/WINDY
26-09-2025	27-09-2025	58	34	25	BDL	RAINY/MODERATE BREEZE
27-09-2025	28-09-2025	60	35	24	BDL	RAINY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

KOTODI VILLAGE NSNU4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	68	40	27	BDL	CLOUDY/CALM
02-09-2025	03-09-2025	62	37	28	BDL	CLOUDY/WINDY
08-09-2025	09-09-2025	66	36	30	BDL	CLOUDY/WINDY
09-09-2025	10-09-2025	60	30	21	BDL	CLOUDY/CALM
13-09-2025	14-09-2025	70	31	29	BDL	CLOUDY/LIGHT BREEZE
16-09-2025	17-09-2025	64	32	26	BDL	RAINY/MODERATE BREEZE
21-09-2025	22-09-2025	66	41	21	BDL	RAINY/MODERATE BREEZE
22-09-2025	23-09-2025	58	38	27	BDL	RAINY/MODERATE BREEZE
26-09-2025	27-09-2025	70	37	29	BDL	RAINY/MODERATE BREEZE
27-09-2025	28-09-2025	62	30	27	BDL	RAINY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
05-09-2025	8.02	24	36	BDL
19-09-2025	7.99	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
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: NAUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	09-09-2025	55.8	53.4
SEPT'25	23-09-2025	55.6	53.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (SAONER): NSNUN4		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	09-09-2025	49.1	44.5
SEPT'25	23-09-2025	49.6	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

KOTODI VILLAGE NAUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	09-09-2025	45.2	43.4
SEPT'25	23-09-2025	45.5	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

PATHAKAKHEDI GP OFFICE NAUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	09-09-2025	44.4	43.1
SEPT'25	23-09-2025	44.7	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT
Amalgamated of Kamptee Deep & Inder OC
NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 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/SEPT-25/4		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25	

NEAR PIT NO.6 / MANAGER OFFICE NIOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-09-2025	08-09-2025	345	188	46	38	16	CLOUDY/LIGHT BREEZE
25-09-2025	26-09-2025	356	196	49	39	17	CLEAR/WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

CMPDI TEKADI STORE NIOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-09-2025	13-09-2025	332	181	43	34	15	CLOUDY/CALM
25-09-2025	26-09-2025	343	189	46	35	18	CLOUDY/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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-09-2025	13-09-2025	339	184	43	34	16	CLOUDY/CALM
25-09-2025	26-09-2025	349	191	45	35	18	CLOUDY/WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

JUNI KAMTEE VILLAGE NKCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-09-2025	04-09-2025	65	32	28	BDL	CLOUDY/CALM	
04-09-2025	05-09-2025	60	42	20	BDL	CLOUDY/CALM	
10-09-2025	11-09-2025	59	31	28	BDL	CLOUDY/CALM	
11-09-2025	12-09-2025	68	38	23	BDL	CLOUDY/CALM	
17-09-2025	18-09-2025	58	37	23	BDL	RAINY/LIGHT BREEZE	
18-09-2025	19-09-2025	70	39	27	BDL	RAINY/LIGHT BREEZE	
23-09-2025	24-09-2025	63	36	20	BDL	RAINY/MODERATE BREEZE	
24-09-2025	25-09-2025	70	34	31	BDL	RAINY/MODERATE BREEZE	
28-09-2025	29-09-2025	65	38	29	BDL	CLEAR/LIGHT BREEZE	
29-09-2025	30-09-2025	72	32	27	BDL	RAINY/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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-09-2025	04-09-2025	61	39	24	BDL	CLOUDY/CALM	
04-09-2025	05-09-2025	58	41	27	BDL	CLOUDY/CALM	
10-09-2025	11-09-2025	68	45	25	BDL	CLOUDY/CALM	
11-09-2025	12-09-2025	62	39	24	BDL	CLOUDY/CALM	
17-09-2025	18-09-2025	70	38	30	BDL	RAINY/LIGHT BREEZE	
18-09-2025	19-09-2025	68	45	28	BDL	RAINY/LIGHT BREEZE	
23-09-2025	24-09-2025	58	41	25	BDL	RAINY/MODERATE BREEZE	
24-09-2025	25-09-2025	64	34	22	BDL	RAINY/MODERATE BREEZE	
28-09-2025	29-09-2025	62	40	23	BDL	CLEAR/LIGHT BREEZE	
29-09-2025	30-09-2025	66	35	28	BDL	RAINY/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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
12-09-2025	8.01	16	20	BDL
25-09-2025	7.98	18	24	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
08-09-2025	8.16	22	28	BDL
25-09-2025	8.12	20	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NIOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
12-09-2025	40	13.2
25-09-2025	44	12.6
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30

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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
SEPT'25	09-09-2025	58.7	53.9
SEPT'25	23-09-2025	58.9	53.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP NKC1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	09-09-2025	69.2	64.4
SEPT'25	23-09-2025	69.7	64.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY KAMPTEE NKC2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	09-09-2025	48.4	44.7
SEPT'25	23-09-2025	48.7	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE NKC3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	09-09-2025	44.7	43.2
SEPT'25	23-09-2025	45.2	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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SEPTEMBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/2	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

NEAR MANAGER OFFICE NBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-09-2025	07-09-2025	337	185	46	38	18	CLOUDY/CALM
20-09-2025	21-09-2025	348	193	49	39	16	RAINY/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	
03-09-2025	04-09-2025	63	43	26	BDL	CLOUDY/CALM
04-09-2025	05-09-2025	68	34	25	BDL	CLOUDY/CALM
10-09-2025	11-09-2025	70	33	21	BDL	CLOUDY/WINDY
11-09-2025	12-09-2025	61	37	23	BDL	CLOUDY/CALM
17-09-2025	18-09-2025	67	32	26	BDL	RAINY/WINDY
18-09-2025	19-09-2025	62	38	26	BDL	RAINY/WINDY
23-04-2025	24-04-2025	72	32	20	BDL	CLEAR/LIGHT BREEZE
24-09-2025	25-09-2025	58	33	28	BDL	CLEAR/LIGHT BREEZE
28-09-2025	29-09-2025	61	39	24	BDL	CLEAR/LIGHT BREEZE
29-09-2025	30-09-2025	63	37	27	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	
03-09-2025	04-09-2025	62	40	27	BDL	CLOUDY/CALM
04-09-2025	05-09-2025	70	38	25	BDL	CLOUDY/CALM
10-09-2025	11-09-2025	68	37	29	BDL	CLOUDY/WINDY
11-09-2025	12-09-2025	65	35	23	BDL	CLOUDY/CALM
17-09-2025	18-09-2025	67	30	25	BDL	CLOUDY/WINDY
18-09-2025	19-09-2025	62	36	23	BDL	CLEAR/WINDY
23-04-2025	24-04-2025	60	40	32	BDL	CLEAR/WINDY
24-09-2025	25-09-2025	65	35	25	BDL	CLEAR/WINDY
28-09-2025	29-09-2025	63	40	21	BDL	CLEAR/WINDY
29-09-2025	30-09-2025	66	32	28	BDL	RAINY/CALM
NAAQS, 2009		100	60	80	80	

DORLI VILLAGE NSOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	62	37	28	BDL	CLOUDY/CALM
02-09-2025	03-09-2025	64	38	30	BDL	CLOUDY/CALM
08-09-2025	09-09-2025	60	30	27	BDL	CLOUDY/CALM
09-09-2025	10-09-2025	67	31	26	BDL	CLOUDY/CALM
13-09-2025	14-09-2025	69	36	28	BDL	CLOUDY/CALM
16-09-2025	17-09-2025	59	42	24	BDL	RAINY/LIGHT BREEZE
21-09-2025	22-09-2025	61	37	27	BDL	RAINY/LIGHT BREEZE
22-09-2025	23-09-2025	60	36	21	BDL	RAINY/MODERATE BREEZE
26-09-2025	27-09-2025	58	40	27	BDL	RAINY/LIGHT BREEZE
27-09-2025	28-09-2025	60	39	25	BDL	RAINY/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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
06-09-2025	7.98	26	32	BDL
20-09-2025	7.96	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: NBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-09-2025	8.06	30	40	BDL
20-09-2025	8.03	32	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
11-09-2025	58	15.6
20-09-2025	54	15.0
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	09-09-2025	57.2	54.1
SEPT'25	23-09-2025	57.8	54.4
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
SEPT'25	09-09-2025	45.3	44.8
SEPT'25	23-09-2025	45.1	44.3
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
SEPT'25	09-09-2025	44.9	43.5
SEPT'25	23-09-2025	44.7	43.1
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
SEPT'25	09-09-2025	44.6	42.8
SEPT'25	23-09-2025	44.3	42.3
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



SEPTEMBER 2025

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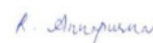
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/5	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

DUMRI KHURD NDRSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
12-09-2025	13-09-2025	341	187	45	37	18	CLOUDY/CALM
25-09-2025	26-09-2025	352	195	48	38	15	CLOUDY/WINDY
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		
		5	2	6	10		
03-09-2025	04-09-2025	70	34	27	BDL	CLOUDY/CALM	
04-09-2025	05-09-2025	62	29	28	BDL	CLOUDY/CALM	
10-09-2025	11-09-2025	68	39	21	BDL	CLOUDY/CALM	
11-09-2025	12-09-2025	60	42	24	BDL	CLOUDY/CALM	
17-09-2025	18-09-2025	68	40	21	BDL	RAINY/LIGHT BREEZE	
18-09-2025	19-09-2025	61	34	32	BDL	RAINY/LIGHT BREEZE	
23-09-2025	24-09-2025	60	32	24	BDL	RAINY/MODERATE BREEZE	
24-09-2025	25-09-2025	63	24	22	BDL	RAINY/MODERATE BREEZE	
28-09-2025	29-09-2025	65	31	20	BDL	CLEAR/LIGHT BREEZE	
29-09-2025	30-09-2025	69	30	26	BDL	RAINY/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		
		5	2	6	10		
03-09-2025	04-09-2025	65	32.4	20	BDL	CLOUDY/CALM	
04-09-2025	05-09-2025	67	30	24.7	BDL	CLOUDY/CALM	
10-09-2025	11-09-2025	62	38.5	28	BDL	CLOUDY/CALM	
11-09-2025	12-09-2025	68	37	24	BDL	CLOUDY/CALM	
17-09-2025	18-09-2025	62	37	24	BDL	RAINY/LIGHT BREEZE	
18-09-2025	19-09-2025	71	35	25	BDL	RAINY/LIGHT BREEZE	
23-09-2025	24-09-2025	66	34	27	BDL	RAINY/MODERATE BREEZE	
24-09-2025	25-09-2025	58	28	26	BDL	RAINY/MODERATE BREEZE	
28-09-2025	29-09-2025	64	29	23	BDL	CLEAR/LIGHT BREEZE	
29-09-2025	30-09-2025	62	38	21	BDL	RAINY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

STATION MANAGER OFFICE		NKC1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	09-09-2025	57.6	53.9
SEPT'25	23-09-2025	57.9	53.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NANDGAON VILLAGE		NKC2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	09-09-2025	44.6	43.1
SEPT'25	23-09-2025	44.9	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

GONDEGAON OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/3	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25	

NEAR SUBSTATION / SAM OFFICE NGOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
		5	5	2	6	10
07-09-2025	08-09-2025	336	183	45	37	19
20-09-2025	21-09-2025	347	191	48	38	18
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MARember 2000		600	300	-	120	120

GONDEGAON VILLAGE SCHOOL NGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
		5	2	6	10	
01-09-2025	02-09-2025	60	30	26	BDL	CLOUDY/CALM
02-09-2025	03-09-2025	68	32	25	BDL	CLOUDY/CALM
08-09-2025	09-09-2025	63	31	24	BDL	CLOUDY/CALM
09-09-2025	10-09-2025	65	37	22	BDL	CLOUDY/CALM
13-09-2025	14-09-2025	62	36	21	BDL	CLOUDY/CALM
16-09-2025	17-09-2025	63	35	28	BDL	RAINY/LIGHT BREEZE
21-09-2025	22-09-2025	61	38	30	BDL	RAINY/LIGHT BREEZE
22-09-2025	23-09-2025	66	34	25	BDL	RAINY/MODERATE BREEZE
26-09-2025	27-09-2025	60	40	29	BDL	RAINY/LIGHT BREEZE
27-09-2025	28-09-2025	58	33	27	BDL	RAINY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

COLONY GUEST HOUSE/FILTER PLANT NGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
07-09-2025	08-09-2025	330	180	42	33	18
25-09-2025	26-09-2025	341	188	45	34	17
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MARember 2000		600	300	-	120	120

GHATROHNA VILLAGE NGOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-09-2025	02-09-2025	68	41	24	BDL	CLOUDY/CALM
02-09-2025	03-09-2025	60	36	23	BDL	CLOUDY/CALM
08-09-2025	09-09-2025	66	39	33	BDL	CLOUDY/CALM
09-09-2025	10-09-2025	59	38	31	BDL	CLOUDY/CALM
13-09-2025	14-09-2025	61	36	28	BDL	CLOUDY/CALM
16-09-2025	17-09-2025	68	41	28	BDL	RAINY/LIGHT BREEZE
21-09-2025	22-09-2025	70	37	20	BDL	RAINY/LIGHT BREEZE
22-09-2025	23-09-2025	64	41	21	BDL	RAINY/MODERATE BREEZE
26-09-2025	27-09-2025	59	32	27	BDL	RAINY/LIGHT BREEZE
27-09-2025	28-09-2025	70	37	25	BDL	RAINY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
07-09-2025	7.97	30	32	BDL
25-09-2025	8.01	28	36	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
07-09-2025	8.09	20	28	BDL
25-09-2025	8.07	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP:		NGOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
08-09-2025	62	14.4	
25-09-2025	58	15.0	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30	

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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP		NGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	09-09-2025	69.6	64.2
SEPT'25	23-09-2025	69.4	64.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GONDEGAON VILLAGE/COLONY		NGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	09-09-2025	45.6	43.9
SEPT'25	23-09-2025	45.3	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE:		NKC3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	09-09-2025	44.7	43.2
SEPT'25	23-09-2025	45.2	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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SEPTEMBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/6	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-09-2025	07-09-2025	335	182	43	36	19	CLOUDY/CALM
19-09-2025	20-09-2025	346	190	46	37	17	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MARember 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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-09-2025	04-09-2025	65	33	22	BDL	CLOUDY/CALM	
04-09-2025	05-09-2025	62	35	27	BDL	CLOUDY/CALM	
10-09-2025	11-09-2025	71	41	23	BDL	CLOUDY/WINDY	
11-09-2025	12-09-2025	66	43	26	BDL	CLOUDY/CALM	
17-09-2025	18-09-2025	61	37	25	BDL	RAINY/WINDY	
18-09-2025	19-09-2025	63	37	29	BDL	RAINY/LIGHT BREEZE	
23-04-2025	24-04-2025	65	30	28	BDL	RAINY/LIGHT BREEZE	
24-09-2025	25-09-2025	62	30	23	BDL	RAINY/LIGHT BREEZE	
28-09-2025	29-09-2025	68	38	28	BDL	RAINY/LIGHT BREEZE	
29-09-2025	30-09-2025	65	35	22	BDL	RAINY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

NEAR LCH QR. NPTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-09-2025	02-09-2025	64	31	25	BDL	CLOUDY/CALM	
02-09-2025	03-09-2025	62	34	30	BDL	CLOUDY/WINDY	
08-09-2025	09-09-2025	65	30	25	BDL	CLOUDY/WINDY	
09-09-2025	10-09-2025	60	33	23	BDL	CLOUDY/CALM	
13-09-2025	14-09-2025	68	41	28	BDL	CLOUDY/LIGHT BREEZE	
16-09-2025	17-09-2025	69	29	20	BDL	CLEAR/WINDY	
21-09-2025	22-09-2025	70	43	24	BDL	CLEAR/WINDY	
22-09-2025	23-09-2025	60	37	21	BDL	CLOUDY/WINDY	
26-09-2025	27-09-2025	63	38	26	BDL	CLOUDY/WINDY	
27-09-2025	28-09-2025	60	37	23	BDL	CLOUDY/WINDY	
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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-09-2025	02-09-2025	66	43	20	BDL	CLOUDY/CALM	
02-09-2025	03-09-2025	73	40	23	BDL	CLOUDY/WINDY	
08-09-2025	09-09-2025	69	34	28	BDL	CLOUDY/WINDY	
09-09-2025	10-09-2025	64	35	22	BDL	CLOUDY/CALM	
13-09-2025	14-09-2025	61	39	27	BDL	CLOUDY/LIGHT BREEZE	
16-09-2025	17-09-2025	68	36	23	BDL	CLOUDY/WINDY	
21-09-2025	22-09-2025	59	30	20	BDL	CLOUDY/WINDY	
22-09-2025	23-09-2025	68	41	25	BDL	CLOUDY/WINDY	
26-09-2025	27-09-2025	60	33	23	BDL	CLOUDY/WINDY	
27-09-2025	28-09-2025	64	32	24	BDL	CLOUDY/WINDY	
NAAQS, 2009		100	60	80	80		

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
06-09-2025	7.98	30	36	BDL
19-09-2025	7.94	32	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NPTUW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
09-09-2025	56	15.6
19-09-2025	52	13.8
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE		NPTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	09-09-2025	68.3	65.1
SEPT'25	23-09-2025	68.7	65.4
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
SEPT'25	09-09-2025	48.5	44.7
SEPT'25	23-09-2025	48.9	44.5
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
SEPT'25	09-09-2025	44.7	43.9
SEPT'25	23-09-2025	44.4	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/SEPT-25/8	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

C.M OFFICE-SAONER-I UG NSNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	333	182	42	36	19	CLOUDY/WINDY
19-09-2025	20-09-2025	344	190	45	37	18	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DEcember 2000		600	300	-	120	120	

C.M OFFICE-SAONER-II UG NSNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	340	187	43	37	18	CLOUDY/WINDY
19-09-2025	20-09-2025	351	195	46	38	17	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DEcember 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-09-2025	02-09-2025	61	41	27	BDL	CLOUDY/CALM	
02-09-2025	03-09-2025	65	37	21	BDL	CLOUDY/WINDY	
08-09-2025	09-09-2025	58	43	22	BDL	CLOUDY/WINDY	
09-09-2025	10-09-2025	70	31	20	BDL	CLOUDY/CALM	
13-09-2025	14-09-2025	64	32	27	BDL	CLOUDY/LIGHT BREEZE	
16-09-2025	17-09-2025	64	31	23	BDL	RAINY/MODERATE BREEZE	
21-09-2025	22-09-2025	63	36	25	BDL	RAINY/MODERATE BREEZE	
22-09-2025	23-09-2025	67	38	28	BDL	RAINY/WINDY	
26-09-2025	27-09-2025	58	34	25	BDL	RAINY/MODERATE BREEZE	
27-09-2025	28-09-2025	60	35	24	BDL	RAINY/MODERATE BREEZE	
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-09-2025	02-09-2025	68	40	27	BDL	CLOUDY/CALM	
02-09-2025	03-09-2025	62	37	28	BDL	CLOUDY/WINDY	
08-09-2025	09-09-2025	66	36	30	BDL	CLOUDY/WINDY	
09-09-2025	10-09-2025	60	30	21	BDL	CLOUDY/CALM	
13-09-2025	14-09-2025	70	31	29	BDL	CLOUDY/LIGHT BREEZE	
16-09-2025	17-09-2025	64	32	26	BDL	RAINY/MODERATE BREEZE	
21-09-2025	22-09-2025	66	41	21	BDL	RAINY/MODERATE BREEZE	
22-09-2025	23-09-2025	58	38	27	BDL	RAINY/MODERATE BREEZE	
26-09-2025	27-09-2025	70	37	29	BDL	RAINY/MODERATE BREEZE	
27-09-2025	28-09-2025	62	30	27	BDL	RAINY/MODERATE BREEZE	
NAAQS, 2009		100	60	80	80		



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
05-09-2025	7.86	24	28	BDL
19-09-2025	7.82	26	36	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
05-09-2025	7.99	22	24	BDL
19-09-2025	8.01	18	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
05-09-2025	7.85	22	20	BDL
19-09-2025	7.82	20	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NSNUW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
09-09-2025	64	13.8
19-09-2025	68	14.4
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30

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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
SEPT'25	09-09-2025	69.7	66.9
SEPT'25	23-09-2025	69.5	66.2
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
SEPT'25	09-09-2025	68.5	63.4
SEPT'25	23-09-2025	68.8	63.6
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
SEPT'25	09-09-2025	68.9	65.5
SEPT'25	23-09-2025	68.3	64.9
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
SEPT'25	09-09-2025	49.1	44.5
SEPT'25	23-09-2025	49.6	44.2
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



SEPTEMBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/9	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
06-09-2025	07-09-2025	343	188	45	37	CLOUDY/CALM
20-09-2025	21-09-2025	354	196	47	38	RAINY/CALM
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	
06-09-2025	07-09-2025	339	186	44	36	CLOUDY/CALM
20-09-2025	21-09-2025	350	194	46	37	RAINY/WINDY
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	
03-09-2025	04-09-2025	69	31	30	BDL	CLOUDY/CALM
04-09-2025	05-09-2025	62	35	32	BDL	CLOUDY/CALM
10-09-2025	11-09-2025	65	31	25	BDL	CLOUDY/WINDY
11-09-2025	12-09-2025	60	32	24	BDL	CLOUDY/CALM
17-09-2025	18-09-2025	71	34	31	BDL	CLOUDY/WINDY
18-09-2025	19-09-2025	61	31	33	BDL	CLOUDY/WINDY
23-04-2025	24-04-2025	72	36	20	BDL	CLOUDY/WINDY
24-09-2025	25-09-2025	65	35	25	BDL	RAINY/WINDY
28-09-2025	29-09-2025	68	32	22	BDL	RAINY/WINDY
29-09-2025	30-09-2025	64	41	26	BDL	RAINY/WINDY
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	
03-09-2025	04-09-2025	58	30	22	BDL	CLOUDY/CALM
04-09-2025	05-09-2025	66	37	20	BDL	CLOUDY/CALM
10-09-2025	11-09-2025	67	42	25	BDL	CLOUDY/WINDY
11-09-2025	12-09-2025	61	32	23	BDL	CLOUDY/CALM
17-09-2025	18-09-2025	63	36	30	BDL	CLEAR/WINDY
18-09-2025	19-09-2025	65	42	27	BDL	CLEAR/WINDY
23-04-2025	24-04-2025	60	36	22	BDL	CLEAR/WINDY
24-09-2025	25-09-2025	65	38	30	BDL	CLEAR/WINDY
28-09-2025	29-09-2025	68	36	22	BDL	CLEAR/WINDY
29-09-2025	30-09-2025	62	42	26	BDL	CLEAR/WINDY
NAAQS, 2009		100	60	80	80	

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
06-09-2025	7.49	16	20	BDL
20-09-2025	7.51	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NSUW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
10-09-2025	52	16.2
20-09-2025	56	15.6
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30

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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
SEPT'25	09-09-2025	69.2	65.7
SEPT'25	23-09-2025	69.7	65.2
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
SEPT'25	09-09-2025	46.3	44.2
SEPT'25	23-09-2025	46.7	44.5
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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JOB NO. 4094423068



SEPTEMBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/10	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO ₂ : IS 5182 (Part-06), SO ₂ : IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	5	2	6	10	
07-09-2025	08-09-2025	346	189	46	39	18	CLOUDY/LIGHT BREEZE
20-09-2025	21-09-2025	357	197	49	40	17	RAINY/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	
01-09-2025	02-09-2025	66	30	27	BDL	CLOUDY/CALM
02-09-2025	03-09-2025	65	40	28	BDL	CLOUDY/CALM
08-09-2025	09-09-2025	58	38	31	BDL	CLOUDY/CALM
09-09-2025	10-09-2025	61	36	25	BDL	CLOUDY/CALM
13-09-2025	14-09-2025	68	38	24	BDL	CLOUDY/CALM
16-09-2025	17-09-2025	66	31	27	BDL	RAINY/LIGHT BREEZE
21-09-2025	22-09-2025	62	34	25	BDL	RAINY/LIGHT BREEZE
22-09-2025	23-09-2025	65	30	27	BDL	RAINY/MODERATE BREEZE
26-09-2025	27-09-2025	63	43	20	BDL	RAINY/LIGHT BREEZE
27-09-2025	28-09-2025	70	30	21	BDL	RAINY/MODERATE 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	
01-09-2025	02-09-2025	71	41	30	BDL	CLOUDY/CALM
02-09-2025	03-09-2025	62	40	24	BDL	CLOUDY/CALM
08-09-2025	09-09-2025	60	37	29	BDL	CLOUDY/CALM
09-09-2025	10-09-2025	65	43	23	BDL	CLOUDY/CALM
13-09-2025	14-09-2025	58	38	24	BDL	CLOUDY/CALM
16-09-2025	17-09-2025	58	34	27	BDL	RAINY/LIGHT BREEZE
21-09-2025	22-09-2025	66	36	25	BDL	RAINY/LIGHT BREEZE
22-09-2025	23-09-2025	71	39	21	BDL	RAINY/MODERATE BREEZE
26-09-2025	27-09-2025	75	35	28	BDL	RAINY/LIGHT BREEZE
27-09-2025	28-09-2025	64	33	23	BDL	RAINY/MODERATE 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	
01-09-2025	02-09-2025	62	37	28	BDL	CLOUDY/CALM
02-09-2025	03-09-2025	64	38	30	BDL	CLOUDY/CALM
08-09-2025	09-09-2025	60	30	27	BDL	CLOUDY/CALM
09-09-2025	10-09-2025	67	31	26	BDL	CLOUDY/CALM
13-09-2025	14-09-2025	69	36	28	BDL	CLOUDY/CALM
16-09-2025	17-09-2025	59	42	24	BDL	RAINY/LIGHT BREEZE
21-09-2025	22-09-2025	61	37	27	BDL	RAINY/LIGHT BREEZE
22-09-2025	23-09-2025	60	36	21	BDL	RAINY/MODERATE BREEZE
26-09-2025	27-09-2025	58	40	27	BDL	RAINY/LIGHT BREEZE
27-09-2025	28-09-2025	60	39	25	BDL	RAINY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

MINE WATER DISCHARGE: NSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-09-2025	7.99	24	28	BDL
20-09-2025	7.94	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: NSOW2				
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
07-09-2025	8.07	26	32	BDL
20-09-2025	8.04	22	28	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
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
SEPT'25	09-09-2025	56.6	53.9
SEPT'25	23-09-2025	57.2	53.5
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
SEPT'25	09-09-2025	44.6	42.8
SEPT'25	23-09-2025	44.3	42.3
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
SEPT'25	09-09-2025	44.9	43.5
SEPT'25	23-09-2025	44.7	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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SEPTEMBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/7	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
05-09-2025	06-09-2025	327	179	42	34	18	CLOUDY/WINDY
19-09-2025	20-09-2025	338	187	45	35	16	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MARember 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-09-2025	02-09-2025	61	41	27	BDL	CLOUDY/CALM	
02-09-2025	03-09-2025	65	37	21	BDL	CLOUDY/WINDY	
08-09-2025	09-09-2025	58	43	22	BDL	CLOUDY/WINDY	
09-09-2025	10-09-2025	70	31	20	BDL	CLOUDY/CALM	
13-09-2025	14-09-2025	64	32	27	BDL	CLOUDY/LIGHT BREEZE	
16-09-2025	17-09-2025	64	31	23	BDL	RAINY/MODERATE BREEZE	
21-09-2025	22-09-2025	63	36	25	BDL	RAINY/MODERATE BREEZE	
22-09-2025	23-09-2025	67	38	28	BDL	RAINY/WINDY	
26-09-2025	27-09-2025	58	34	25	BDL	RAINY/MODERATE BREEZE	
27-09-2025	28-09-2025	60	35	24	BDL	RAINY/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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
05-09-2025	7.98	22	28	BDL
19-09-2025	7.95	20	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
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE		NWUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	09-09-2025	54.1	52.5
SEPT'25	23-09-2025	54.6	52.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

TRANSIT HOTEL		NWUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	09-09-2025	47.4	44.1
SEPT'25	23-09-2025	46.8	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

DINESH OCP

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

Environment Laboratory

CMPDI

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/SEPT-25/11	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO ₂ : IS 5182 (Part-06), SO ₂ :IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25	

MANAGER OFFICE UM30A1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
06-09-2025	07-09-2025	240	138	42	13	12
20-09-2025	21-09-2025	269	156	55	15	13
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 µg/m ³)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
06-09-2025	07-09-2025	247	140	44	15	14
20-09-2025	21-09-2025	260	164	58	17	15
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 µg/m ³)				
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	5	2	6	10	
01-09-2025	02-09-2025	69	25	8	BDL	Rainy, Cloud sky / Breeze
02-09-2025	03-09-2025	65	24	6	BDL	Rainy sky, over cast / Breeze
07-09-2025	08-09-2025	71	29	8	BDL	partially cloudy/ Light breeze
08-09-2025	09-09-2025	73	30	9	BDL	Rainy, Cloud sky / Breeze
13-09-2025	14-09-2025	66	25	7	BDL	partially cloudy/ Light breeze
16-09-2025	17-09-2025	72	29	9	BDL	Rainy sky, over cast / Breeze
20-09-2025	21-09-2025	78	32	11	BDL	Rainy, Cloud sky / Breeze
21-09-2025	22-09-2025	71	28	8	BDL	Cloud sky / Calm
26-09-2025	27-09-2025	74	28	10	BDL	Rain, cloudy/ Breeze
27-09-2025	28-09-2025	70	27	8	BDL	partially cloudy/ Light breeze
NAAQS, 2009		100	60	80	80	

WELSAKARA VILLAGE UM30A4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	5	2	6	10	
01-09-2025	02-09-2025	72	31	9	BDL	Rainy, Cloud sky / Breeze
02-09-2025	03-09-2025	75	33	10	BDL	Rainy sky, over cast / Breeze
07-09-2025	08-09-2025	64	25	6	BDL	partially cloudy/ Light breeze
08-09-2025	09-09-2025	68	29	7	BDL	Rainy, Cloud sky / Breeze
13-09-2025	14-09-2025	76	32	10	BDL	partially cloudy/ Light breeze
16-09-2025	17-09-2025	73	32	9	BDL	Rainy sky, over cast / Breeze
20-09-2025	21-09-2025	69	30	8	BDL	Rainy, Cloud sky / Breeze
21-09-2025	22-09-2025	77	34	11	BDL	Cloud sky / Calm
26-09-2025	27-09-2025	70	31	9	BDL	Rain, cloudy/ Breeze
27-09-2025	28-09-2025	67	27	7	BDL	partially cloudy/ Light breeze
NAAQS, 2009		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-09-25 TO 15-10-25

MINE WATER DISCHARGE: UM3OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-09-2025	7.56	25	40	BDL
20-09-2025	7.62	23	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM3OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-09-2025	7.32	19	28	BDL
20-09-2025	7.41	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
SAMPLING METHOD	LSOP 6

PIT OFFICE: UGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	14-09-2025	61.9	60.1
SEPT'25	21-09-2025	62.5	58.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

HEOTI VILLAGE: UM10N3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	14-09-2025	51.2	42.2
SEPT'25	21-09-2025	50.2	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

Environment Laboratory

CMPDI

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/SEPT-25/11	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

CONTRACTOR CAMP UGOA1						
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
07-09-2025	08-09-2025	252	153	48	15	13
20-09-2025	21-09-2025	261	167	54	17	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

BESUR VILLAGE UGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-09-2025	04-09-2025	70	29	9	BDL	Rain, Partially cloudy sky / breeze
04-09-2025	05-09-2025	66	26	7	BDL	Rain, Partially cloudy sky / breeze
09-09-2025	10-09-2025	73	30	10	BDL	Rainy sky, Cloudy / breeze
10-09-2025	11-09-2025	64	25	6	BDL	Partially cloudy sky / Light breeze
16-09-2025	17-09-2025	78	32	10	BDL	Rainy sky, over cast / breeze
17-09-2025	18-09-2025	69	28	8	BDL	Rainy sky, over cast / breeze
22-09-2025	23-09-2025	79	33	11	BDL	Clody sky / Calm
23-09-2025	24-09-2025	80	35	12	BDL	Partially cloudy sky / Light breeze
26-09-2025	27-09-2025	74	31	9	BDL	Rainy sky, Cloudy / Light breeze
27-09-2025	28-09-2025	67	27	8	BDL	Partially cloudy sky / Light breeze
NAAQS, 2009		100	60	80	80	

NAND VILLAGE UGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-09-2025	04-09-2025	66	27	7	BDL	Rain, Partially cloudy sky / breeze
04-09-2025	05-09-2025	69	29	8	BDL	Rain, Partially cloudy sky / breeze
09-09-2025	10-09-2025	70	28	9	BDL	Rainy sky, Cloudy / breeze
10-09-2025	11-09-2025	77	33	10	BDL	Partially cloudy sky / Light breeze
16-09-2025	17-09-2025	67	28	7	BDL	Rainy sky, over cast / breeze
17-09-2025	18-09-2025	65	26	6	BDL	Rainy sky, over cast / breeze
22-09-2025	23-09-2025	72	30	9	BDL	Clody sky / Calm
23-09-2025	24-09-2025	79	34	11	BDL	Partially cloudy sky / Light breeze
26-09-2025	27-09-2025	68	28	8	BDL	Rainy sky, Cloudy / Light breeze
27-09-2025	28-09-2025	73	31	9	BDL	Partially cloudy 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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-09-2025	04-09-2025	63	24	6	BDL	Rain, Partially cloudy sky / breeze
04-09-2025	05-09-2025	71	31	10	BDL	Rain, Partially cloudy sky / breeze
09-09-2025	10-09-2025	68	27	7	BDL	Rainy sky, Cloudy / breeze
10-09-2025	11-09-2025	66	26	6	BDL	Partially cloudy sky / Light breeze
16-09-2025	17-09-2025	72	32	8	BDL	Rainy sky, over cast / breeze
17-09-2025	18-09-2025	74	33	10	BDL	Rainy sky, over cast / breeze
22-09-2025	23-09-2025	69	28	8	BDL	Clody sky / Calm
23-09-2025	24-09-2025	70	32	9	BDL	Partially cloudy sky / Light breeze
26-09-2025	27-09-2025	64	25	7	BDL	Rainy sky, Cloudy / Light breeze
27-09-2025	28-09-2025	77	35	11	BDL	Partially cloudy sky / Light breeze
NAAQS, 2009		100	60	80	80	

NEAR VIEW POINT				UGOA5			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-09-2025	08-09-2025	245	144	48	12	11	Cloudy sky / Calm
20-09-2025	21-09-2025	259	155	53	14	12	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-09-25 TO 15-10-25

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
07-09-2025	7.82	29	36	BDL
20-09-2025	7.71	27	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): UGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-09-2025	7.51	19	28	BDL
20-09-2025	7.63	16	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
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
SEPT'25	14-09-2025	60.7	54.7
SEPT'25	21-09-2025	61.3	53.6
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
SEPT'25	14-09-2025	56.4	51.8
SEPT'25	21-09-2025	57.5	51.3
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
SEPT'25	14-09-2025	50.4	43.6
SEPT'25	21-09-2025	51.4	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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UMRER AREA

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SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/34	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

PIT OFFICE			UM10A1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-09-2025	06-09-2025	255	162	49	15	13	Cloudy sky / Calm
19-09-2025	20-09-2025	269	170	53	16	14	Clear sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KALMANA VILLAGE			UM10A2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀ 5	PM _{2.5} 2	NO ₂ 6	SO ₂ 10	
FROM	TO					
01-09-2025	02-09-2025	65	24	7	BDL	Rainy, Cloud sky / Breeze
02-09-2025	03-09-2025	67	27	8	BDL	Rainy sky, over cast / Breeze
07-09-2025	08-09-2025	70	29	8	BDL	partially cloudy/ Light breeze
08-09-2025	09-09-2025	77	30	9	BDL	Rainy, Cloud sky / Breeze
13-09-2025	14-09-2025	73	25	8	BDL	partially cloudy/ Light breeze
16-09-2025	17-09-2025	69	28	7	BDL	Rainy sky, over cast / Breeze
20-09-2025	21-09-2025	74	31	9	BDL	Rainy, Cloud sky / Breeze
21-09-2025	22-09-2025	70	29	8	BDL	Cloud sky / Calm
26-09-2025	27-09-2025	75	28	9	BDL	Rain, cloudy/ Breeze
27-09-2025	28-09-2025	68	26	6	BDL	partially cloudy/ Light breeze
NAAQS, 2009		100	60	80	80	

SIRPUR VILLAGE		UM10A3				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				
		PM ₁₀ 5	PM _{2.5} 2	NO ₂ 6	SO ₂ 10	
FROM	TO					
01-09-2025	02-09-2025	66	23	6	BDL	Rainy, Cloud sky / Breeze
02-09-2025	03-09-2025	68	25	7	BDL	Rainy sky, over cast / Breeze
07-09-2025	08-09-2025	71	28	8	BDL	partially cloudy/ Light breeze
08-09-2025	09-09-2025	74	30	10	BDL	Rainy, Cloud sky / Breeze
13-09-2025	14-09-2025	69	27	7	BDL	partially cloudy/ Light breeze
16-09-2025	17-09-2025	72	31	9	BDL	Rainy sky, over cast / Breeze
20-09-2025	21-09-2025	75	32	11	BDL	Rainy, Cloud sky / Breeze
21-09-2025	22-09-2025	67	26	7	BDL	Cloud sky / Calm
26-09-2025	27-09-2025	69	28	8	BDL	Rain, cloudy/ Breeze
27-09-2025	28-09-2025	73	31	9	BDL	partially cloudy/ 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	
01-09-2025	02-09-2025	70	25	7	BDL	Rainy, Cloud sky / Breeze
02-09-2025	03-09-2025	68	23	6	BDL	Rainy sky, over cast / Breeze
07-09-2025	08-09-2025	74	27	8	BDL	partially cloudy/ Light breeze
08-09-2025	09-09-2025	72	29	9	BDL	Rainy, Cloud sky / Breeze
13-09-2025	14-09-2025	67	24	6	BDL	partially cloudy/ Light breeze
16-09-2025	17-09-2025	63	23	7	BDL	Rainy sky, over cast / Breeze
20-09-2025	21-09-2025	62	22	6	BDL	Rainy, Cloud sky / Breeze
21-09-2025	22-09-2025	70	30	10	BDL	Cloud sky / Calm
26-09-2025	27-09-2025	73	32	11	BDL	Rain, cloudy/ Breeze
27-09-2025	28-09-2025	75	34	12	BDL	partially cloudy/ 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	
01-09-2025	02-09-2025	66	25	8	BDL	Rainy, Cloud sky / Breeze
02-09-2025	03-09-2025	71	26	10	BDL	Rainy sky, over cast / Breeze
07-09-2025	08-09-2025	64	22	7	BDL	partially cloudy/ Light breeze
08-09-2025	09-09-2025	72	27	9	BDL	Rainy, Cloud sky / Breeze
13-09-2025	14-09-2025	75	29	10	BDL	partially cloudy/ Light breeze
16-09-2025	17-09-2025	69	30	8	BDL	Rainy sky, over cast / Breeze
20-09-2025	21-09-2025	73	33	10	10	Rainy, Cloud sky / Breeze
21-09-2025	22-09-2025	61	25	6	BDL	Cloud sky / Calm
26-09-2025	27-09-2025	74	28	9	BDL	Rain, cloudy/ Breeze
27-09-2025	28-09-2025	65	26	8	10	partially cloudy/ 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
07-09-2025	08-09-2025	249	146	42	14	12
20-09-2025	21-09-2025	272	166	49	16	13
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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-09-25 TO 15-10-25

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
07-09-2025	7.52	32	44	BDL
20-09-2025	7.67	35	52	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
07-09-2025	7.12	23	32	BDL
20-09-2025	7.43	19	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
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
SEPT'25	14-09-2025	65.4	59.0
SEPT'25	21-09-2025	64.8	60.2
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
SEPT'25	14-09-2025	49.0	41.6
SEPT'25	21-09-2025	48.5	42.4
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
SEPT'25	14-09-2025	51.2	42.2
SEPT'25	21-09-2025	50.2	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-II OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/14	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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
06-09-2025	07-09-2025	252	148	45	14	12
19-09-2025	20-09-2025	263	152	50	15	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
		ENVIRONMENT CONDITIONS (Sky/Wind)				
		Cloudy sky / Calm				
		Clear sky / Light breeze				

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
06-09-2025	07-09-2025	248	142	40	13	11
19-09-2025	20-09-2025	275	163	53	16	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
		ENVIRONMENT CONDITIONS (Sky/Wind)				
		Cloudy sky / Calm				
		Clear sky / Light breeze				

KANWA VILLAGE		UUAO3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-09-2025	04-09-2025	70	29	9	BDL	Rain, Partially cloudy sky / breeze
04-09-2025	05-09-2025	72	30	10	BDL	Rain, Partially cloudy sky / breeze
09-09-2025	10-09-2025	68	27	8	BDL	Rainy sky, Cloudy / breeze
10-09-2025	11-09-2025	65	26	7	BDL	Partially cloudy sky / Light breeze
16-09-2025	17-09-2025	73	32	10	BDL	Rainy sky, over cast / breeze
17-09-2025	18-09-2025	64	24	6	BDL	Rainy sky, over cast / breeze
22-09-2025	23-09-2025	76	34	11	BDL	Cloudy sky / Calm
23-09-2025	24-09-2025	78	35	12	BDL	Partially cloudy sky / Light breeze
26-09-2025	27-09-2025	63	23	6	BDL	Rainy sky, Cloudy / Light breeze
27-09-2025	28-09-2025	75	33	10	BDL	Partially cloudy sky / Light breeze
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY		UUAO4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-09-2025	04-09-2025	69	29	8	BDL	Partially cloudy sky / Light breeze
04-09-2025	05-09-2025	65	25	6	BDL	Rain, Partially cloudy sky / breeze
09-09-2025	10-09-2025	75	33	11	BDL	Rain, Partially cloudy sky / breeze
10-09-2025	11-09-2025	73	31	10	BDL	Rainy sky, Cloudy / breeze
16-09-2025	17-09-2025	68	28	8	BDL	Partially cloudy sky / Light breeze
17-09-2025	18-09-2025	77	30	9	BDL	Rainy sky, over cast / breeze
22-09-2025	23-09-2025	74	32	10	BDL	Rainy sky, over cast / breeze
23-09-2025	24-09-2025	66	26	7	BDL	Cloudy sky / Calm
26-09-2025	27-09-2025	63	24	6	BDL	Partially cloudy sky / Light breeze
27-09-2025	28-09-2025	67	27	7	BDL	Rainy sky, Cloudy / Light breeze
NAAQS, 2009		100	60	80	80	Partially cloudy sky / Light breeze



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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
SAMPLING METHOD	LSOP 6

NEAR PIT OFFICE: UMON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	
	DETECTION LIMIT	20	
SEPT'25	14-09-2025	62.1	58.5
SEPT'25	21-09-2025	62.7	57.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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ENVIRONMENTAL MONITORING REPORT

MORPAR UG

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/15	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25	

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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-09-2025	13-09-2025	255	150	44	14	12	Cloudy sky / Light breeze
25-09-2025	26-09-2025	243	141	40	12	10	Rainy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR MAGAZINE BUILDING UMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-09-2025	13-09-2025	264	158	52	15	13	Cloudy sky / Light breeze
25-09-2025	26-09-2025	248	146	42	13	11	Rainy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
12-09-2025	13-09-2025	65	25	7	BDL		Cloudy sky / Light breeze
25-09-2025	26-09-2025	72	28	8	BDL		Rainy sky / Light breeze
NAAQS, 2009		100	60	80	80		

MORPAR VILLAGE UMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
12-09-2025	13-09-2025	68	27	8	BDL		Cloudy sky / Light breeze
25-09-2025	26-09-2025	75	30	9	BDL		Rainy sky / Light breeze
NAAQS, 2009		100	60	80	80		

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ENVIRONMENTAL MONITORING REPORT

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JOB NO. 4094423068



SEPTEMBER 2025

Environment Laboratory

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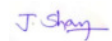
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/SEPT-25/16		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-09-25 TO 15-10-25	

UMRER MANAGER OFFICE UUAO1						
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
05-09-2025	06-09-2025	245	136	42	14	11
19-09-2025	20-09-2025	262	152	46	16	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						
Cloudy sky / Calm						
Clear sky / Light breeze						

NEAR WORKSHOP UUAO2						
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
05-09-2025	06-09-2025	254	156	44	15	12
19-09-2025	20-09-2025	270	168	51	17	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						
Cloudy sky / Calm						
Clear sky / Light breeze						

KANWA VILLAGE UUAO3						
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	
03-09-2025	04-09-2025	70	29	9	BDL	Rain, Partially cloudy sky / breeze
04-09-2025	05-09-2025	72	30	10	BDL	Rain, Partially cloudy sky / breeze
09-09-2025	10-09-2025	68	27	8	BDL	Rainy sky, Cloudy / breeze
10-09-2025	11-09-2025	65	26	7	BDL	Partially cloudy sky / Light breeze
16-09-2025	17-09-2025	73	32	10	BDL	Rainy sky, over cast / breeze
17-09-2025	18-09-2025	64	24	6	BDL	Rainy sky, over cast / breeze
22-09-2025	23-09-2025	76	34	11	BDL	Cloudy sky / Calm
23-09-2025	24-09-2025	78	35	12	BDL	Partially cloudy sky / Light breeze
26-09-2025	27-09-2025	63	23	6	BDL	Rainy sky, Cloudy / Light breeze
27-09-2025	28-09-2025	75	33	10	BDL	Partially cloudy sky / Light breeze
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY UUAO4						
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	
03-09-2025	04-09-2025	69	29	8	BDL	Partially cloudy sky / Light breeze
04-09-2025	05-09-2025	65	25	6	BDL	Rain, Partially cloudy sky / breeze
09-09-2025	10-09-2025	75	33	11	BDL	Rain, Partially cloudy sky / breeze
10-09-2025	11-09-2025	73	31	10	BDL	Rainy sky, Cloudy / breeze
16-09-2025	17-09-2025	68	28	8	BDL	Partially cloudy sky / Light breeze
17-09-2025	18-09-2025	77	30	9	BDL	Rainy sky, over cast / breeze
22-09-2025	23-09-2025	74	32	10	BDL	Rainy sky, over cast / breeze
23-09-2025	24-09-2025	66	26	7	BDL	Cloudy sky / Calm
26-09-2025	27-09-2025	63	24	6	BDL	Partially cloudy sky / Light breeze
27-09-2025	28-09-2025	67	27	7	BDL	Rainy sky, Cloudy / Light breeze
NAAQS, 2009		100	60	80	80	Partially cloudy sky / Light breeze



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-09-25 TO 15-10-25

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
06-09-2025	7.23	34	48	BDL
20-09-2025	8.36	28	40	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
06-09-2025	7.21	19	28	BDL
20-09-2025	7.32	21	32	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
06-09-2025	30	13.1
20-09-2025	26	12.7
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
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
SEPT'25	14-09-2025	67.1	59.8
SEPT'25	21-09-2025	65.8	60.4
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
SEPT'25	14-09-2025	53.9	43.2
SEPT'25	21-09-2025	53.4	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



SEPTEMBER 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/SEPT-25/17	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25	

ACC PATCH NEAR ACC COLONY WGOA1						
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
05-09-2025	06-09-2025	328	214	63	23	11
19-09-2025	20-09-2025	297	193	60	20	BDL
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120

SAM OFFICE WGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
05-09-2025	06-09-2025	286	185	59	21	10
19-09-2025	20-09-2025	333	208	63	24	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	84	42	17	BDL	CLOUDY SKY/LIGHTBREEZE
02-09-2025	03-09-2025	69	33	14	BDL	RAINY SKY/MODERATE BREEZE
08-09-2025	09-09-2025	72	30	16	BDL	CLOUDY SKY/LIGHTBREEZE
09-09-2025	10-09-2025	78	38	18	12	CLOUDY SKY/LIGHTBREEZE
13-09-2025	14-09-2025	74	35	15	10	RAINY SKY/MODERATE BREEZE
16-09-2025	17-09-2025	86	43	15	BDL	CLOUDY SKY/LIGHTBREEZE
21-09-2025	22-09-2025	79	37	16	10	CLEAR/CALM
22-09-2025	23-09-2025	88	45	17	11	CLOUDY/LIGHTBREEZE
25-09-2025	26-09-2025	72	40	15	BDL	RAINY SKY/MODERATE BREEZE
26-09-2025	27-09-2025	79	37	14	BDL	CLOUDY SKY/LIGHTBREEZE
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	87	40	14	BDL	CLOUDY SKY/LIGHTBREEZE
02-09-2025	03-09-2025	69	37	15	BDL	RAINY SKY/MODERATE BREEZE
08-09-2025	09-09-2025	78	34	16	BDL	CLOUDY SKY/LIGHTBREEZE
09-09-2025	10-09-2025	81	42	17	10	CLOUDY SKY/LIGHTBREEZE
13-09-2025	14-09-2025	71	33	16	10	RAINY SKY/MODERATE BREEZE
16-09-2025	17-09-2025	74	32	15	BDL	CLOUDY SKY/LIGHTBREEZE
21-09-2025	22-09-2025	83	41	17	12	CLEAR/CALM
22-09-2025	23-09-2025	77	34	16	11	CLOUDY/LIGHTBREEZE
25-09-2025	26-09-2025	70	29	14	BDL	RAINY SKY/MODERATE BREEZE
26-09-2025	27-09-2025	84	42	15	BDL	CLOUDY SKY/LIGHTBREEZE
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
SAMPLING METHOD	LSOP 6

CHP: WGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	67.7	66.3
SEPT'25	25-09-2025	67.0	66.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	45.0	44.4
SEPT'25	25-09-2025	46.0	45.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


Yogesh Pidurkar
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ENVIRONMENTAL MONITORING REPORT

KOLGAON OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/18	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

MANAGER OFFICE				WKOA1			
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	
05-09-2025	06-09-2025	318	197	60	21	10	CLOUDY SKY/LIGHTBREEZE
19-09-2025	20-09-2025	349	219	63	26	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE				WMOA2			ENVIRONMENT CONDITIONS (Sky/Wind)
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	
06-09-2025	07-09-2025	327	206	60	22	11	CLEAR/CALM
20-09-2025	21-09-2025	342	227	65	26	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

KOLGAON VILLAGE				WKO3		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-09-2025	02-09-2025	81	33	17	11	CLOUDY SKY/LIGHTBREEZE
02-09-2025	03-09-2025	77	33	14	BDL	RAINY SKY/MODERATE BREEZE
08-09-2025	09-09-2025	75	30	16	BDL	CLOUDY SKY/LIGHTBREEZE
09-09-2025	10-09-2025	69	35	15	BDL	CLOUDY SKY/LIGHTBREEZE
13-09-2025	14-09-2025	70	29	14	BDL	RAINY SKY/MODERATE BREEZE
16-09-2025	17-09-2025	72	38	16	BDL	CLOUDY SKY/LIGHTBREEZE
21-09-2025	22-09-2025	84	40	18	11	CLEAR/CALM
22-09-2025	23-09-2025	86	39	17	12	CLOUDY/LIGHTBREEZE
25-09-2025	26-09-2025	73	34	14	BDL	RAINY SKY/MODERATE BREEZE
26-09-2025	27-09-2025	83	42	16	BDL	CLOUDY SKY/LIGHTBREEZE
NAAQS, 2009		100	60	80	80	

KAILSHNAGAR TOWNSHIP - FILTER PLANT				WMOA3		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-09-2025	02-09-2025	79	38	16	11	CLOUDY SKY/LIGHTBREEZE
02-09-2025	03-09-2025	68	34	14	BDL	RAINY SKY/MODERATE BREEZE
08-09-2025	09-09-2025	81	42	15	BDL	CLOUDY SKY/LIGHTBREEZE
09-09-2025	10-09-2025	75	37	17	12	CLOUDY SKY/LIGHTBREEZE
13-09-2025	14-09-2025	66	32	16	10	RAINY SKY/MODERATE BREEZE
16-09-2025	17-09-2025	79	41	16	BDL	CLOUDY SKY/LIGHTBREEZE
21-09-2025	22-09-2025	76	42	15	BDL	CLEAR/CALM
22-09-2025	23-09-2025	74	34	14	BDL	CLOUDY/LIGHTBREEZE
25-09-2025	26-09-2025	66	31	15	BDL	RAINY SKY/MODERATE BREEZE
26-09-2025	27-09-2025	81	43	18	10	CLOUDY SKY/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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
12-09-2025	8.01	42	32	BDL
29-09-2025	7.26	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	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
SEPT'25	12-09-2025	51.4	50.3
SEPT'25	25-09-2025	52.3	51.4
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
SEPT'25	12-09-2025	45.0	44.3
SEPT'25	25-09-2025	44.7	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/19	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

SUBSTATION WMOA1							
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	
06-09-2025	07-09-2025	347	234	65	24	10	CLEAR/CALM
20-09-2025	21-09-2025	321	209	59	21	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-09-2025	07-09-2025	327	206	60	22	11	CLEAR/CALM
20-09-2025	21-09-2025	342	227	65	26	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-09-2025	02-09-2025	79	38	16	11	CLOUDY SKY/LIGHTBREEZE	
02-09-2025	03-09-2025	68	34	14	BDL	RAINY SKY/MODERATE BREEZE	
08-09-2025	09-09-2025	81	42	15	BDL	CLOUDY SKY/LIGHTBREEZE	
09-09-2025	10-09-2025	75	37	17	12	CLOUDY SKY/LIGHTBREEZE	
13-09-2025	14-09-2025	66	32	16	10	RAINY SKY/MODERATE BREEZE	
16-09-2025	17-09-2025	79	41	16	BDL	CLOUDY SKY/LIGHTBREEZE	
21-09-2025	22-09-2025	76	42	15	BDL	CLEAR/CALM	
22-09-2025	23-09-2025	74	34	14	BDL	CLOUDY/LIGHTBREEZE	
25-09-2025	26-09-2025	66	31	15	BDL	RAINY SKY/MODERATE BREEZE	
26-09-2025	27-09-2025	81	43	18	10	CLOUDY SKY/LIGHTBREEZE	
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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-09-2025	04-09-2025	68	33	15	BDL	RAINY SKY/MODERATE BREEZE	
04-09-2025	05-09-2025	75	37	14	BDL	RAINY SKY/MODERATE BREEZE	
10-09-2025	11-09-2025	73	35	14	BDL	RAINY SKY/MODERATE BREEZE	
11-09-2025	12-09-2025	84	45	15	BDL	CLOUDY/LIGHTBREEZE	
17-09-2025	18-09-2025	69	34	16	BDL	RAINY SKY/MODERATE BREEZE	
18-09-2025	19-09-2025	87	42	18	11	CLOUDY/LIGHTBREEZE	
23-09-2025	24-09-2025	84	39	17	12	CLOUDY/LIGHTBREEZE	
24-09-2025	25-09-2025	78	40	17	12	CLEAR/CALM	
27-09-2025	28-09-2025	79	38	15	BDL	RAINY SKY/MODERATE BREEZE	
28-09-2025	29-09-2025	89	47	18	12	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

MINE WATER DISCHARGE: WMOW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-09-2025	7.98	48	36	BDL
29-09-2025	7.50	66	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WMOW2		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-09-2025	7.67	44	36	BDL
29-09-2025	7.64	40	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
SAMPLING METHOD	LSOP 6

CHP: WMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	66.6	65.5
SEPT'25	25-09-2025	65.7	64.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI): WMON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	45.0	44.3
SEPT'25	25-09-2025	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/SEPT-25/20		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-09-25 TO 15-10-25	

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	
06-09-2025	07-09-2025	342	212	66	25	12	CLEAR/CALM
20-09-2025	21-09-2025	314	198	58	22	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

WORKSHOP ETP NOCM WNOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-09-2025	08-09-2025	331	214	64	23	11	CLEAR/CALM
29-09-2025	30-09-2025	311	189	59	20	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

BELLORA REHABILITATION VILLAGE WNGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-09-2025	02-09-2025	88	42	15	10		CLOUDY SKY/LIGHTBREEZE
02-09-2025	03-09-2025	69	33	14	BDL		RAINY SKY/MODERATE BREEZE
08-09-2025	09-09-2025	74	44	18	11		CLOUDY SKY/LIGHTBREEZE
09-09-2025	10-09-2025	76	38	15	BDL		CLOUDY SKY/LIGHTBREEZE
13-09-2025	14-09-2025	70	29	16	10		RAINY SKY/MODERATE BREEZE
16-09-2025	17-09-2025	89	44	16	BDL		CLOUDY SKY/LIGHTBREEZE
21-09-2025	22-09-2025	78	42	17	12		CLEAR/CALM
22-09-2025	23-09-2025	81	37	15	BDL		CLOUDY/LIGHTBREEZE
25-09-2025	26-09-2025	74	35	16	BDL		RAINY SKY/MODERATE BREEZE
26-09-2025	27-09-2025	76	38	17	11		CLOUDY SKY/LIGHTBREEZE
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		
01-09-2025	02-09-2025	85	43	15	BDL		CLOUDY SKY/LIGHTBREEZE
02-09-2025	03-09-2025	66	32	14	BDL		RAINY SKY/MODERATE BREEZE
08-09-2025	09-09-2025	75	34	18	11		CLOUDY SKY/LIGHTBREEZE
09-09-2025	10-09-2025	79	38	17	12		CLOUDY SKY/LIGHTBREEZE
13-09-2025	14-09-2025	74	38	16	BDL		RAINY SKY/MODERATE BREEZE
16-09-2025	17-09-2025	81	42	16	BDL		CLOUDY SKY/LIGHTBREEZE
21-09-2025	22-09-2025	86	44	15	BDL		CLEAR/CALM
22-09-2025	23-09-2025	91	39	14	BDL		CLOUDY/LIGHTBREEZE
25-09-2025	26-09-2025	71	34	14	BDL		RAINY SKY/MODERATE BREEZE
26-09-2025	27-09-2025	78	40	16	BDL		CLOUDY SKY/LIGHTBREEZE
NAAQS, 2009		100	60	80	80		


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-09-2025	5.28	48	20	BDL
29-09-2025	5.46	52	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
12-09-2025	7.45	48	40	BDL
29-09-2025	7.12	54	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
SAMPLING METHOD	LSOP 6

CHP: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	64.7	63.2
SEPT'25	25-09-2025	65.5	64.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	45.0	44.4
SEPT'25	25-09-2025	46.0	45.2
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



SEPTEMBER 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/SEPT-25/21	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

CIVIL OFFICE- NILJAI				WNOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-09-2025	08-09-2025	349	224	66	26	13	CLEAR/CALM
29-09-2025	30-09-2025	319	197	62	22	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

WORKSHOP ETP NOCM				WNOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-09-2025	08-09-2025	331	214	64	23	11	CLEAR/CALM
29-09-2025	30-09-2025	311	189	59	20	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

NILJAI COLONY WNOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-09-2025	04-09-2025	66	32	15	BDL	RAINY SKY/MODERATE BREEZE
04-09-2025	05-09-2025	72	31	14	BDL	RAINY SKY/MODERATE BREEZE
10-09-2025	11-09-2025	74	39	16	BDL	RAINY SKY/MODERATE BREEZE
11-09-2025	12-09-2025	81	44	18	12	CLOUDY/LIGHTBREEZE
17-09-2025	18-09-2025	76	34	15	BDL	RAINY SKY/MODERATE BREEZE
18-09-2025	19-09-2025	79	38	16	BDL	CLOUDY/LIGHTBREEZE
23-09-2025	24-09-2025	82	42	17	11	CLOUDY/LIGHTBREEZE
24-09-2025	25-09-2025	88	43	16	10	CLEAR/CALM
27-09-2025	28-09-2025	69	33	14	BDL	RAINY SKY/MODERATE BREEZE
28-09-2025	29-09-2025	76	43	16	10	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

TARODA VILLAGE WNOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM_{10}	$\text{PM}_{2.5}$	NO_2	SO_2	
FROM	TO	5	2	6	10	
03-09-2025	04-09-2025	73	33	14	BDL	RAINY SKY/MODERATE BREEZE
04-09-2025	05-09-2025	70	34	16	10	RAINY SKY/MODERATE BREEZE
10-09-2025	11-09-2025	75	39	15	BDL	RAINY SKY/MODERATE BREEZE
11-09-2025	12-09-2025	86	42	18	11	CLOUDY/LIGHTBREEZE
17-09-2025	18-09-2025	65	30	15	BDL	RAINY SKY/MODERATE BREEZE
18-09-2025	19-09-2025	79	34	17	12	CLOUDY/LIGHTBREEZE
23-09-2025	24-09-2025	87	39	16	10	CLOUDY/LIGHTBREEZE
24-09-2025	25-09-2025	91	43	15	BDL	CLEAR/CALM
27-09-2025	28-09-2025	71	31	14	BDL	RAINY SKY/MODERATE BREEZE
28-09-2025	29-09-2025	88	43	17	11	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
12-09-2025	7.98	50	44	BDL
29-09-2025	7.27	38	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	.	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
12-09-2025	8.02	46	32	BDL
29-09-2025	7.59	52	40	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
12-09-2025	70	11.8
29-09-2025	64	12.4
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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
SEPT'25	12-09-2025	65.7	64.4
SEPT'25	25-09-2025	66.6	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
SEPT'25	12-09-2025	67.0	66.3
SEPT'25	25-09-2025	67.3	66.5
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
SEPT'25	12-09-2025	44.5	43.4
SEPT'25	25-09-2025	44.6	43.8
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



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-25/23		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47 16-09-25 TO 15-10-25	

MANAGER OFFICE WPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-09-2025	08-09-2025	348	214	64	24	11	CLEAR/CALM
29-09-2025	30-09-2025	321	202	59	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-09-2025	08-09-2025	337	209	64	24	12	CLEAR/CALM
29-09-2025	30-09-2025	324	198	61	20	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

VIRUR VILLAGE WPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-09-2025	04-09-2025	66	33	14	BDL		RAINY SKY/MODERATE BREEZE
04-09-2025	05-09-2025	68	37	15	BDL		RAINY SKY/MODERATE BREEZE
10-09-2025	11-09-2025	73	39	16	11		RAINY SKY/MODERATE BREEZE
11-09-2025	12-09-2025	84	43	16	BDL		CLOUDY/LIGHTBREEZE
17-09-2025	18-09-2025	78	35	14	BDL		RAINY SKY/MODERATE BREEZE
18-09-2025	19-09-2025	84	41	17	10		CLOUDY/LIGHTBREEZE
23-09-2025	24-09-2025	87	45	16	10		CLOUDY/LIGHTBREEZE
24-09-2025	25-09-2025	84	42	17	12		CLEAR/CALM
27-09-2025	28-09-2025	73	34	15	BDL		RAINY SKY/MODERATE BREEZE
28-09-2025	29-09-2025	87	47	18	12		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

GADEGAON VILLAGE WPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-09-2025	04-09-2025	71	35	14	BDL		RAINY SKY/MODERATE BREEZE
04-09-2025	05-09-2025	75	33	14	BDL		RAINY SKY/MODERATE BREEZE
10-09-2025	11-09-2025	66	30	15	BDL		RAINY SKY/MODERATE BREEZE
11-09-2025	12-09-2025	87	43	16	10		CLOUDY/LIGHTBREEZE
17-09-2025	18-09-2025	76	36	15	BDL		RAINY SKY/MODERATE BREEZE
18-09-2025	19-09-2025	91	46	18	11		CLOUDY/LIGHTBREEZE
23-09-2025	24-09-2025	82	38	18	11		CLOUDY/LIGHTBREEZE
24-09-2025	25-09-2025	79	37	16	10		CLEAR/CALM
27-09-2025	28-09-2025	74	31	15	BDL		RAINY SKY/MODERATE BREEZE
28-09-2025	29-09-2025	85	39	18	10		CLEAR/CALM
NAAQS, 2009		100	60	80	80		


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
12-09-2025	8.04	46	36	BDL
29-09-2025	7.22	54	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
SEPT'25	12-09-2025	55.0	54.3
SEPT'25	25-09-2025	54.6	53.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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GHONSA OC

WANI NORTH AREA

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SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-25/23		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-09-25 TO 15-10-25	

PROJECT MANAGER OFFICE WNGOA1						
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
05-09-2025	06-09-2025	278	179	46	18	12
20-09-2025	21-09-2025	258	162	40	16	10
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
05-09-2025	06-09-2025	260	159	36	14	11
20-09-2025	21-09-2025	269	169	42	18	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

GHONSA VILLAGE WNGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	77	25	8	BDL	Cloudy sky / light breeze
02-09-2025	03-09-2025	65	29	9	BDL	Cloudy sky / light breeze
08-09-2025	09-09-2025	69	33	8	BDL	Cloudy sky / light breeze
09-09-2025	10-09-2025	52	20	9	BDL	Cloudy sky / light breeze
12-09-2025	13-09-2025	69	28	7	BDL	Cloudy sky / light breeze
13-09-2025	14-09-2025	60	22	9	BDL	Cloudy sky / light breeze
22-09-2025	23-09-2025	72	30	6	BDL	Cloudy sky / light breeze
23-09-2025	24-09-2025	70	32	10	BDL	Cloudy sky / light breeze
26-09-2025	27-09-2025	65	29	9	BDL	Cloudy sky / light breeze
27-09-2025	28-09-2025	66	22	12	BDL	Cloudy sky / light breeze
NAAQS, 2009		100	60	80	80	

GUEST HOUSE/ COLONY WNGOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	82	36	11	BDL	Cloudy sky / light breeze
02-09-2025	03-09-2025	75	33	10	BDL	Cloudy sky / light breeze
08-09-2025	09-09-2025	68	32	12	BDL	Cloudy sky / light breeze
09-09-2025	10-09-2025	76	30	9	BDL	Cloudy sky / light breeze
12-09-2025	13-09-2025	59	34	8	BDL	Cloudy sky / light breeze
13-09-2025	14-09-2025	66	25	9	BDL	Cloudy sky / light breeze
22-09-2025	23-09-2025	70	33	10	BDL	Cloudy sky / light breeze
23-09-2025	24-09-2025	79	28	12	BDL	Cloudy sky / light breeze
26-09-2025	27-09-2025	80	36	11	BDL	Cloudy sky / light breeze
27-09-2025	28-09-2025	71	32	10	BDL	Cloudy sky / light breeze
NAAQS, 2009		100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
06-09-2025	7.65	18	36	BDL
21-09-2025	7.85	22	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
SEPT'25	11-09-2025	55.4	53.4
SEPT'25	29-09-2025	54.7	52.6
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
SEPT'25	11-09-2025	42.5	40.4
SEPT'25	29-09-2025	43.1	40.8
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



SEPTEMBER 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/SEPT-25/24	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

SAM OFFICE WNJOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-09-2025	07-09-2025	210	132	29	14	BDL
20-09-2025	21-09-2025	198	112	26	11	BDL
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-09-2025	04-09-2025	42	24	8	BDL	rainy / light breeze
04-09-2025	05-09-2025	52	23	9	BDL	rainy / light breeze
10-09-2025	11-09-2025	56	19	8	BDL	rainy / light breeze
11-09-2025	12-09-2025	65	15	7	BDL	clear sky / light breeze
17-09-2025	18-09-2025	46	22	6	BDL	rainy / light breeze
18-09-2025	19-09-2025	42	20	8	BDL	rainy / light breeze
23-09-2025	24-09-2025	59	18	9	BDL	rainy / light breeze
24-09-2025	25-09-2025	55	16	8	BDL	rainy / light breeze
29-09-2025	30-09-2025	53	22	7	BDL	rainy / light breeze
30-09-2025	01-10-2025	69	30	9	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	

BHALAR TOWNSHIP WNUOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	65	30	10	BDL	Cloudy sky / light breeze
02-09-2025	03-09-2025	72	32	9	BDL	Cloudy sky / light breeze
08-09-2025	09-09-2025	56	21	7	BDL	Cloudy sky / light breeze
09-09-2025	10-09-2025	69	30	10	BDL	Cloudy sky / light breeze
12-09-2025	13-09-2025	70	29	11	BDL	Cloudy sky / light breeze
13-09-2025	14-09-2025	68	25	7	BDL	Cloudy sky / light breeze
22-09-2025	23-09-2025	77	24	9	BDL	Cloudy sky / light breeze
23-09-2025	24-09-2025	65	26	10	BDL	Cloudy sky / light breeze
26-09-2025	27-09-2025	52	22	12	BDL	Cloudy sky / light breeze
27-09-2025	28-09-2025	46	18	8	BDL	Cloudy sky / light breeze
NAAQS, 2009		100	60	80	80	

UKNI VILLAGE WNUOA4						
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	
03-09-2025	04-09-2025	45	25	7	BDL	rainy / light breeze
04-09-2025	05-09-2025	62	24	8	BDL	rainy / light breeze
10-09-2025	11-09-2025	55	26	6	BDL	rainy / light breeze
11-09-2025	12-09-2025	66	22	8	BDL	clear sky / light breeze
17-09-2025	18-09-2025	46	20	7	BDL	rainy / light breeze
18-09-2025	19-09-2025	48	17	9	BDL	rainy / light breeze
23-09-2025	24-09-2025	49	18	10	BDL	rainy / light breeze
24-09-2025	25-09-2025	52	26	11	BDL	rainy / light breeze
29-09-2025	30-09-2025	54	23	8	BDL	rainy / light breeze
30-09-2025	01-10-2025	55	18	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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
07-09-2025	7.98	24	44	BDL
21-09-2025	7.65	26	56	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
07-09-2025	7.55	26	44	BDL
21-09-2025	7.62	22	28	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
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
SEPT'25	11-09-2025	56.3	53.1
SEPT'25	29-09-2025	53.6	51.2
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
SEPT'25	11-09-2025	43.5	41.2
SEPT'25	29-09-2025	44.5	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

KOLARPIMPRI OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/25	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

SUBSTATION KOLARPIMPRI WNKOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-09-2025	08-09-2025	298	196	59	24	15	Cloudy sky /light breeze
25-09-2025	26-09-2025	212	136	30	16	BDL	rainy / light breeze
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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-09-2025	08-09-2025	314	204	60	26	16	Cloudy sky /light breeze
25-09-2025	26-09-2025	198	122	36	17	12	rainy / light breeze
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-09-2025	02-09-2025	68	32	9	BDL		Cloudy sky / light breeze
02-09-2025	03-09-2025	70	30	8	BDL		Cloudy sky / light breeze
08-09-2025	09-09-2025	75	39	7	BDL		Cloudy sky / light breeze
09-09-2025	10-09-2025	69	24	10	BDL		Cloudy sky / light breeze
12-09-2025	13-09-2025	62	26	11	BDL		Cloudy sky / light breeze
13-09-2025	14-09-2025	73	30	9	BDL		Cloudy sky / light breeze
21-09-2025	22-09-2025	69	29	8	BDL		Cloudy sky / light breeze
22-09-2025	23-09-2025	74	28	6	BDL		Cloudy sky / light breeze
26-09-2025	27-09-2025	75	34	7	BDL		Cloudy sky / light breeze
27-09-2025	28-09-2025	69	32	11	BDL		Cloudy sky / light breeze
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-09-2025	02-09-2025	87	39	10	BDL		Cloudy sky / light breeze
02-09-2025	03-09-2025	69	33	12	BDL		Cloudy sky / light breeze
08-09-2025	09-09-2025	75	32	10	BDL		Cloudy sky / light breeze
09-09-2025	10-09-2025	64	26	11	BDL		Cloudy sky / light breeze
12-09-2025	13-09-2025	75	25	14	BDL		Cloudy sky / light breeze
13-09-2025	14-09-2025	73	21	12	BDL		Cloudy sky / light breeze
21-09-2025	22-09-2025	69	22	10	BDL		Cloudy sky / light breeze
22-09-2025	23-09-2025	66	26	8	BDL		Cloudy sky / light breeze
26-09-2025	27-09-2025	72	35	9	BDL		Cloudy sky / light breeze
27-09-2025	28-09-2025	80	36	13	BDL		Cloudy sky / light breeze
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
07-09-2025	7.55	14	28	BDL
25-09-2025	7.69	22	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: WNKON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	69.0	67.8
SEPT'25	29-09-2025	67.9	65.7
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
SEPT'25	11-09-2025	43.1	41.3
SEPT'25	29-09-2025	42.1	40.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/27	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
07-09-2025	08-09-2025	186	122	32	14	BDL	rainy /light breeze
25-09-2025	26-09-2025	174	104	28	12	BDL	rainy /light breeze
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	
07-09-2025	08-09-2025	255	136	30	16	11	CLOUDY SKY/ LIGHT BREEZE
25-09-2025	26-09-2025	187	115	22	12	BDL	RAINY /LIGHT BREEZE
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		
01-09-2025	02-09-2025	87	39	10	BDL	Cloudy sky / light breeze	
02-09-2025	03-09-2025	69	33	12	BDL	Cloudy sky / light breeze	
08-09-2025	09-09-2025	75	32	10	BDL	Cloudy sky / light breeze	
09-09-2025	10-09-2025	64	26	11	BDL	Cloudy sky / light breeze	
12-09-2025	13-09-2025	75	25	14	BDL	Cloudy sky / light breeze	
13-09-2025	14-09-2025	73	21	12	BDL	Cloudy sky / light breeze	
21-09-2025	22-09-2025	69	22	10	BDL	Cloudy sky / light breeze	
22-09-2025	23-09-2025	66	26	8	BDL	Cloudy sky / light breeze	
26-09-2025	27-09-2025	72	35	9	BDL	Cloudy sky / light breeze	
27-09-2025	28-09-2025	80	36	13	BDL	Cloudy sky / light breeze	
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		
03-09-2025	04-09-2025	42	24	8	BDL	rainy / light breeze	
04-09-2025	05-09-2025	52	23	9	BDL	rainy / light breeze	
10-09-2025	11-09-2025	56	19	8	BDL	rainy / light breeze	
11-09-2025	12-09-2025	65	15	7	BDL	clear sky / light breeze	
17-09-2025	18-09-2025	46	22	6	BDL	rainy / light breeze	
18-09-2025	19-09-2025	42	20	8	BDL	rainy / light breeze	
23-09-2025	24-09-2025	59	18	9	BDL	rainy / light breeze	
24-09-2025	25-09-2025	55	16	8	BDL	rainy / light breeze	
29-09-2025	30-09-2025	53	22	7	BDL	rainy / light breeze	
30-09-2025	01-10-2025	69	30	9	BDL	clear sky / light breeze	
NAAQS, 2009		100	60	80	80		


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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: WNPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	67.9	65.1
SEPT'25	29-09-2025	67.8	65.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	43.1	41.3
SEPT'25	29-09-2025	42.1	40.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 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/SEPT-25/28	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

NEAR BANDEWADA INCLINE WNRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	277	174	52	22	14	CLOUDY SKY /LIGHT BREEZE
19-09-2025	20-09-2025	255	168	42	18	12	CLOUDY SKY /LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

PIT OFFICE WNRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	185	112	32	11	BDL	RAINY / LIGHT BREEZE
19-09-2025	20-09-2025	206	122	39	13	BDL	RAINY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

SAM OFFICE WNRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-09-2025	04-09-2025	52	18	7	BDL	rainy / light breeze	
04-09-2025	05-09-2025	56	21	6	BDL	rainy / light breeze	
10-09-2025	11-09-2025	42	18	7	BDL	rainy / light breeze	
11-09-2025	12-09-2025	49	16	8	BDL	clear sky / light breeze	
17-09-2025	18-09-2025	52	19	9	BDL	rainy / light breeze	
18-09-2025	19-09-2025	48	20	8	BDL	rainy / light breeze	
23-09-2025	24-09-2025	56	25	6	BDL	rainy / light breeze	
24-09-2025	25-09-2025	52	24	9	BDL	rainy / light breeze	
29-09-2025	30-09-2025	53	22	7	BDL	rainy / light breeze	
30-09-2025	01-10-2025	54	17	8	BDL	clear sky / light breeze	
NAAQS, 2009		100	60	80	80		

HUTMENT WNRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-09-2025	04-09-2025	47	15	8	BDL	rainy / light breeze	
04-09-2025	05-09-2025	50	22	9	BDL	rainy / light breeze	
10-09-2025	11-09-2025	49	24	8	BDL	rainy / light breeze	
11-09-2025	12-09-2025	52	23	6	BDL	clear sky / light breeze	
17-09-2025	18-09-2025	56	16	8	BDL	rainy / light breeze	
18-09-2025	19-09-2025	45	19	9	BDL	rainy / light breeze	
23-09-2025	24-09-2025	47	22	7	BDL	rainy / light breeze	
24-09-2025	25-09-2025	59	15	8	BDL	rainy / light breeze	
29-09-2025	30-09-2025	53	21	9	BDL	rainy / light breeze	
30-09-2025	01-10-2025	55	26	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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C, O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
05-09-2025	7.52	16	32	BDL
19-09-2025	7.69	18	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
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	68.9	66.1
SEPT'25	29-09-2025	68.1	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	44.2	42.3
SEPT'25	29-09-2025	42.6	40.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

UKNI DEEP OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

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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			
TEST REPORT NO.		RIN/TR/SEPT-25/29		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)				
SAMPLE DESCRIPTION	AIR SAMPLE		SAMPLING PLAN :	LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-09-25 TO 15-10-25	

WORKSHOP PREMISES WNUOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
07-09-2025	08-09-2025	189	112	36	14	BDL
20-09-2025	21-09-2025	230	126	42	11	BDL
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	
01-09-2025	02-09-2025	65	30	10	BDL	Cloudy sky / light breeze
02-09-2025	03-09-2025	72	32	9	BDL	Cloudy sky / light breeze
08-09-2025	09-09-2025	56	21	7	BDL	Cloudy sky / light breeze
09-09-2025	10-09-2025	69	30	10	BDL	Cloudy sky / light breeze
12-09-2025	13-09-2025	70	29	11	BDL	Cloudy sky / light breeze
13-09-2025	14-09-2025	68	25	7	BDL	Cloudy sky / light breeze
22-09-2025	23-09-2025	77	24	9	BDL	Cloudy sky / light breeze
23-09-2025	24-09-2025	65	26	10	BDL	Cloudy sky / light breeze
26-09-2025	27-09-2025	52	22	12	BDL	Cloudy sky / light breeze
27-09-2025	28-09-2025	46	18	8	BDL	Cloudy sky / light 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	
03-09-2025	04-09-2025	45	25	7	BDL	rainy / light breeze
04-09-2025	05-09-2025	62	24	8	BDL	rainy / light breeze
10-09-2025	11-09-2025	55	26	6	BDL	rainy / light breeze
11-09-2025	12-09-2025	66	22	8	BDL	clear sky / light breeze
17-09-2025	18-09-2025	46	20	7	BDL	rainy / light breeze
18-09-2025	19-09-2025	48	17	9	BDL	rainy / light breeze
23-09-2025	24-09-2025	49	18	10	BDL	rainy / light breeze
24-09-2025	25-09-2025	52	26	11	BDL	rainy / light breeze
29-09-2025	30-09-2025	54	23	8	BDL	rainy / light breeze
30-09-2025	01-10-2025	55	18	9	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	

PIMPRI VILLAGE WNKOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-09-2025	02-09-2025	68	32	9	BDL	Cloudy sky / light breeze
02-09-2025	03-09-2025	70	30	8	BDL	Cloudy sky / light breeze
08-09-2025	09-09-2025	75	39	7	BDL	Cloudy sky / light breeze
09-09-2025	10-09-2025	69	24	10	BDL	Cloudy sky / light breeze
12-09-2025	13-09-2025	62	26	11	BDL	Cloudy sky / light breeze
13-09-2025	14-09-2025	73	30	9	BDL	Cloudy sky / light breeze
22-09-2025	23-09-2025	69	29	8	BDL	Cloudy sky / light breeze
23-09-2025	24-09-2025	74	28	6	BDL	Cloudy sky / light breeze
26-09-2025	27-09-2025	75	34	7	BDL	Cloudy sky / light breeze
27-09-2025	28-09-2025	69	32	11	BDL	Cloudy sky / light 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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25	

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
08-09-2025	7.65	26	52	BDL
21-09-2025	7.55	18	32	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
08-09-2025	7.45	16	36	BDL
21-09-2025	7.65	24	44	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
08-09-2025	32	12.02
21-09-2025	24	10.06
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
SAMPLING METHOD	LSOP 6

CHP: WNUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	11-09-2025	68.5	66.1
SEPT'25	29-09-2025	68.4	67.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNUON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	11-09-2025	43.5	41.2
SEPT'25	29-09-2025	44.5	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

WANI RAILWAY SIDING

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC:7182
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TEST REPORT NO.	RIN/TR/SEPT-25/30	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

VITTALWADI WNRSA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	5	2	6	BDL	Cloudy sky / light breeze
02-09-2025	03-09-2025	74	38	12	BDL	Cloudy sky / light breeze
08-09-2025	09-09-2025	65	36	14	BDL	Cloudy sky / light breeze
09-09-2025	10-09-2025	85	32	12	BDL	Cloudy sky / light breeze
12-09-2025	13-09-2025	74	34	11	BDL	Cloudy sky / light breeze
13-09-2025	14-09-2025	76	36	8	BDL	Cloudy sky / light breeze
21-09-2025	22-09-2025	70	35	9	BDL	Cloudy sky / light breeze
22-09-2025	23-09-2025	81	39	7	BDL	Cloudy sky / light breeze
26-09-2025	27-09-2025	76	32	8	BDL	Cloudy sky / light breeze
27-09-2025	28-09-2025	77	36	9	BDL	Cloudy sky / light breeze
NAAQS, 2009		100	60	80	80	

PRAGATI NAGAR WNRSA4						
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	
03-09-2025	04-09-2025	52	24	9	BDL	rainy / light breeze
04-09-2025	05-09-2025	54	25	8	BDL	rainy / light breeze
10-09-2025	11-09-2025	60	27	9	BDL	rainy / light breeze
11-09-2025	12-09-2025	48	24	9	BDL	clear sky / light breeze
17-09-2025	18-09-2025	46	20	6	BDL	rainy / light breeze
18-09-2025	19-09-2025	52	22	8	BDL	rainy / light breeze
23-09-2025	24-09-2025	57	24	9	BDL	rainy / light breeze
24-09-2025	25-09-2025	49	19	8	BDL	rainy / light breeze
29-09-2025	30-09-2025	48	22	8	BDL	rainy / light breeze
30-09-2025	01-10-2025	45	18	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
SAMPLING METHOD	LSOP 6

Residential Area Near Railway siding WNRSN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	43.6	41.5
SEPT'25	29-09-2025	43.4	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NEAR INCHARGE OFFICE: WNRSN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	66.7	64.3
SEPT'25	29-09-2025	64.2	61.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

AMBARA OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/67	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
05-09-2025	06-09-2025	244	182	50	16	14	Cloudy sky / Calm
19-09-2025	20-09-2025	268	155	44	13	12	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE KAUA2							
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	
06-09-2025	07-09-2025	293	192	59	19	15	Cloudy sky / Calm
19-09-2025	20-09-2025	277	169	48	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		
03-09-2025	04-09-2025	66	26	6	BDL	Cloudy sky / Calm	
04-09-2025	05-09-2025	68	27	7	BDL	Cloudy sky / Calm	
10-09-2025	11-09-2025	64	25	6	BDL	Cloudy sky / Calm	
11-09-2025	12-09-2025	70	26	7	BDL	Cloudy sky / Calm	
17-09-2025	18-09-2025	72	27	8	BDL	Cloudy sky / Calm	
18-09-2025	19-09-2025	80	33	10	BDL	Clear sky / Calm	
23-09-2025	24-09-2025	69	25	6	BDL	Cloudy sky / Windy	
24-09-2025	25-09-2025	74	27	7	BDL	Cloudy sky / Windy	
28-09-2025	29-09-2025	76	28	8	BDL	Cloudy sky / Windy	
29-09-2025	30-09-2025	65	24	6	BDL	Cloudy sky / Windy	
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		
01-09-2025	02-09-2025	68	28	7	BDL	Cloudy sky / Calm	
02-09-2025	03-09-2025	70	29	9	BDL	Cloudy sky / Calm	
08-09-2025	09-09-2025	67	27	7	BDL	Cloudy sky / Calm	
09-09-2025	10-09-2025	65	25	6	BDL	Cloudy sky / Calm	
13-09-2025	14-09-2025	71	28	8	BDL	Cloudy sky / Calm	
16-09-2025	17-09-2025	73	29	9	BDL	Rainy sky / Calm	
21-09-2025	22-09-2025	82	32	11	BDL	Clear sky / Calm	
22-09-2025	23-09-2025	66	25	6	BDL	Cloudy sky / Calm	
26-09-2025	27-09-2025	69	29	7	BDL	Cloudy sky / Windy	
27-09-2025	28-09-2025	64	24	6	BDL	Cloudy sky / Windy	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-09-25 TO 15-10-25

MINE WATER DISCHARGE: KAOW				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-09-2025	3.78	17	28	BDL
19-09-2025	4.82	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: KAON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	06-09-2025	47.7	45.6
SEPT'25	24-09-2025	48.6	46.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN/MAORI): KMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	06-09-2025	42.3	42.0
SEPT'25	24-09-2025	42.2	40.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

AREA WORKSHOP

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2025

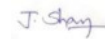
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/69	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

AREA WORKSHOP KAWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-09-2025	13-09-2025	265	150	46	15	12	Cloudy sky / Calm
25-09-2025	26-09-2025	249	142	42	13	11	Cloudy 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	
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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

WORK SHOP PREMISES:		KAWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	06-09-2025	47.2	44.6
SEPT'25	24-09-2025	45.6	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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ENVIRONMENTAL MONITORING REPORT

GHORAWARI OC

KANHAN AREA

WESTERN COALFIELDS LTD.

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SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-25/70		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-09-25 TO 15-10-25	

MANAGER OFFICE GHORAWARI OC KGOA1							
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	
06-09-2025	07-09-2025	245	138	36	13	11	Cloudy sky / Calm
20-09-2025	21-09-2025	259	152	45	15	12	Clear sky / calm
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 $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-09-2025	08-09-2025	256	158	49	16	13	Cloudy sky / Calm
20-09-2025	21-09-2025	249	145	38	14	12	Clear sky / calm
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		
01-09-2025	02-09-2025	68	27	8	BDL	Cloudy sky / Calm	
02-09-2025	03-09-2025	65	25	6	BDL	Cloudy sky / Calm	
08-09-2025	09-09-2025	70	28	7	BDL	Cloudy sky / Calm	
09-09-2025	10-09-2025	72	30	8	BDL	Cloudy sky / Calm	
13-09-2025	14-09-2025	66	26	7	BDL	Cloudy sky / Calm	
16-09-2025	17-09-2025	74	31	9	BDL	Rainy sky / Calm	
21-09-2025	22-09-2025	80	33	10	BDL	Clear sky / Calm	
22-09-2025	23-09-2025	64	24	6	BDL	Cloudy sky / Calm	
26-09-2025	27-09-2025	71	29	8	BDL	Cloudy sky / Windy	
27-09-2025	28-09-2025	67	26	6	BDL	Cloudy sky / Windy	
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		
01-09-2025	02-09-2025	70	29	8	BDL	Cloudy sky / Calm	
02-09-2025	03-09-2025	69	28	7	BDL	Cloudy sky / Calm	
08-09-2025	09-09-2025	66	25	6	BDL	Cloudy sky / Calm	
09-09-2025	10-09-2025	73	29	9	BDL	Cloudy sky / Calm	
13-09-2025	14-09-2025	75	31	9	BDL	Cloudy sky / Calm	
16-09-2025	17-09-2025	67	27	7	BDL	Rainy sky / Calm	
21-09-2025	22-09-2025	77	32	10	BDL	Clear sky / Calm	
22-09-2025	23-09-2025	70	30	9	BDL	Cloudy sky / Calm	
26-09-2025	27-09-2025	68	26	7	BDL	Cloudy sky / Windy	
27-09-2025	28-09-2025	72	29	9	BDL	Cloudy sky / Windy	
NAAQS, 2009		100	60	80	80		


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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		KGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	06-09-2025	45.2	44.3
SEPT'25	24-09-2025	45.5	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(JHARNA):		KGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	06-09-2025	43.6	42.1
SEPT'25	24-09-2025	42.6	40.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

MOHAN/ MAORI UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/72	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

SAM OFFICE KMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-09-2025	08-09-2025	240	142	44	14	11	Cloudy sky / Calm
20-09-2025	21-09-2025	262	159	50	17	13	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-09-2025	07-09-2025	268	163	55	16	13	Cloudy sky / Calm
20-09-2025	21-09-2025	272	174	58	18	15	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-09-2025	04-09-2025	66	26	6	BDL		Cloudy sky / Calm
04-09-2025	05-09-2025	68	27	7	BDL		Cloudy sky / Calm
10-09-2025	11-09-2025	64	25	6	BDL		Cloudy sky / Calm
11-09-2025	12-09-2025	70	26	7	BDL		Cloudy sky / Calm
17-09-2025	18-09-2025	72	27	8	BDL		Cloudy sky / Calm
18-09-2025	19-09-2025	80	33	10	BDL		Clear sky / Calm
23-09-2025	24-09-2025	69	25	6	BDL		Cloudy sky / Windy
24-09-2025	25-09-2025	74	27	7	BDL		Cloudy sky / Windy
28-09-2025	29-09-2025	76	28	8	BDL		Cloudy sky / Windy
29-09-2025	30-09-2025	65	24	6	BDL		Cloudy sky / Windy
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-09-2025	02-09-2025	68	28	7	BDL		Cloudy sky / Calm
02-09-2025	03-09-2025	70	29	9	BDL		Cloudy sky / Calm
08-09-2025	09-09-2025	67	27	7	BDL		Cloudy sky / Calm
09-09-2025	10-09-2025	65	25	6	BDL		Cloudy sky / Calm
13-09-2025	14-09-2025	71	28	8	BDL		Cloudy sky / Calm
16-09-2025	17-09-2025	73	29	9	BDL		Rainy sky / Calm
21-09-2025	22-09-2025	82	32	11	BDL		Clear sky / Calm
22-09-2025	23-09-2025	66	25	6	BDL		Cloudy sky / Calm
26-09-2025	27-09-2025	69	29	7	BDL		Cloudy sky / Windy
27-09-2025	28-09-2025	64	24	6	BDL		Cloudy sky / Windy
NAAQS, 2009		100	60	80	80		


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-09-25 TO 15-10-25

MINE WATER DISCHARGE: KAOW				
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
07-09-2025	4.52	15	24	BDL
20-09-2025	4.61	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
SAMPLING METHOD	LSOP 6

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	06-09-2025	70.9	68.8
SEPT'25	24-09-2025	69.7	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN MAORI):		KMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	06-09-2025	42.3	42.0
SEPT'25	24-09-2025	42.2	40.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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KANHAN AREA

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SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/73	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
12-09-2025	13-09-2025	251	152	47	13	11	Cloudy sky / Calm
25-09-2025	26-09-2025	235	140	39	12	10	Cloudy 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	
12-09-2025	13-09-2025	245	148	42	14	12	Cloudy sky / Calm
25-09-2025	26-09-2025	256	162	51	16	13	Cloudy 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		
03-09-2025	04-09-2025	70	30	9	BDL	Cloudy sky / Calm	
04-09-2025	05-09-2025	65	24	6	BDL	Cloudy sky / Calm	
10-09-2025	11-09-2025	68	27	7	BDL	Cloudy sky / Calm	
11-09-2025	12-09-2025	74	31	9	BDL	Cloudy sky / Calm	
17-09-2025	18-09-2025	76	32	9	BDL	Cloudy sky / Calm	
18-09-2025	19-09-2025	82	35	10	BDL	Clear sky / Calm	
23-09-2025	24-09-2025	63	23	6	BDL	Cloudy sky / Windy	
24-09-2025	25-09-2025	76	29	8	BDL	Cloudy sky / Windy	
28-09-2025	29-09-2025	73	30	7	BDL	Cloudy sky / Windy	
29-09-2025	30-09-2025	64	24	6	BDL	Cloudy sky / Windy	
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		
03-09-2025	04-09-2025	72	31	9	BDL	Cloudy sky / Calm	
04-09-2025	05-09-2025	68	28	7	BDL	Cloudy sky / Calm	
10-09-2025	11-09-2025	70	29	8	BDL	Cloudy sky / Calm	
11-09-2025	12-09-2025	67	26	6	BDL	Cloudy sky / Calm	
17-09-2025	18-09-2025	75	30	9	BDL	Cloudy sky / Calm	
18-09-2025	19-09-2025	80	34	11	BDL	Clear sky / Calm	
23-09-2025	24-09-2025	69	28	8	BDL	Cloudy sky / Windy	
24-09-2025	25-09-2025	73	29	9	BDL	Cloudy sky / Windy	
28-09-2025	29-09-2025	75	32	9	BDL	Cloudy sky / Windy	
29-09-2025	30-09-2025	66	25	6	BDL	Cloudy sky / Windy	
NAAQS, 2009		100	60	80	80		



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-09-25 TO 15-10-25

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
10-09-2025	7.47	26	36	BDL
25-09-2025	7.52	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE UG II: KNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	06-09-2025	71.9	69.6
SEPT'25	24-09-2025	69.7	68.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	06-09-2025	42.8	41.9
SEPT'25	24-09-2025	42.6	40.3
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



SEPTEMBER 2025

Environment Laboratory
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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/74a	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

INCLINE SHARDA KSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	248	140	38	14	12	Cloudy sky / Calm
19-09-2025	20-09-2025	263	151	52	17	14	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-09-2025	04-09-2025	67	26	7	BDL	Cloudy sky / Calm	
04-09-2025	05-09-2025	71	28	8	BDL	Cloudy sky / Calm	
10-09-2025	11-09-2025	64	25	6	BDL	Cloudy sky / Calm	
11-09-2025	12-09-2025	75	31	10	BDL	Cloudy sky / Calm	
17-09-2025	18-09-2025	73	30	9	BDL	Cloudy sky / Calm	
18-09-2025	19-09-2025	82	33	11	BDL	Clear sky / Calm	
23-09-2025	24-09-2025	69	27	7	BDL	Cloudy sky / Windy	
24-09-2025	25-09-2025	72	29	8	BDL	Cloudy sky / Windy	
28-09-2025	29-09-2025	68	26	7	BDL	Cloudy sky / Windy	
29-09-2025	30-09-2025	65	24	6	BDL	Cloudy sky / Windy	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		100	60	80	80		

TATARWADA VILLAGE KSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-09-2025	04-09-2025	65	25	6	BDL	Cloudy sky / Calm	
04-09-2025	05-09-2025	68	27	7	BDL	Cloudy sky / Calm	
10-09-2025	11-09-2025	78	32	10	BDL	Cloudy sky / Calm	
11-09-2025	12-09-2025	75	30	9	BDL	Cloudy sky / Calm	
17-09-2025	18-09-2025	72	29	8	BDL	Cloudy sky / Calm	
18-09-2025	19-09-2025	83	35	11	BDL	Clear sky / Calm	
23-09-2025	24-09-2025	66	27	7	BDL	Cloudy sky / Windy	
24-09-2025	25-09-2025	70	29	8	BDL	Cloudy sky / Windy	
28-09-2025	29-09-2025	73	31	9	BDL	Cloudy sky / Windy	
29-09-2025	30-09-2025	63	23	6	BDL	Cloudy sky / Windy	
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	
03-09-2025	04-09-2025	72	28	8	BDL	Cloudy sky / Calm
04-09-2025	05-09-2025	74	29	9	BDL	Cloudy sky / Calm
10-09-2025	11-09-2025	63	25	6	BDL	Cloudy sky / Calm
11-09-2025	12-09-2025	65	26	7	BDL	Cloudy sky / Calm
17-09-2025	18-09-2025	66	29	6	BDL	Cloudy sky / Calm
18-09-2025	19-09-2025	84	34	11	BDL	Clear sky / Calm
23-09-2025	24-09-2025	77	27	8	BDL	Cloudy sky / Windy
24-09-2025	25-09-2025	79	29	9	BDL	Cloudy sky / Windy
28-09-2025	29-09-2025	67	25	6	BDL	Cloudy sky / Windy
29-09-2025	30-09-2025	73	31	9	BDL	Cloudy sky / Windy
NAAQS, 2009		100	60	80	80	

STORE KSUA5							
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	
05-09-2025	06-09-2025	238	132	40	13	11	Cloudy sky / Calm
19-09-2025	20-09-2025	257	147	46	15	12	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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)			
SAMPLING METHOD		LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :		16-09-25 TO 15-10-25

MINE WATER DISCHARGE: KSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-09-2025	7.62	27	36	BDL
19-09-2025	7.71	29	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

NEAR PIT OFFICE		KSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	06-09-2025	46.2	44.7
SEPT'25	24-09-2025	45.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

UMARIA FADALI VILLAGE		KSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	06-09-2025	41.7	40.6
SEPT'25	24-09-2025	42.9	40.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

TATARWADA VILLAGE		KSUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	06-09-2025	42.3	39.9
SEPT'25	24-09-2025	42.6	40.7
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



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/74	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

WORKSHOP KTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-09-2025	14-09-2025	245	138	41	15	12	Cloudy sky / Calm
26-09-2025	27-09-2025	257	143	36	13	11	Cloudy 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-09-2025	14-09-2025	260	152	46	14	11	Cloudy sky / Calm
26-09-2025	27-09-2025	247	132	42	12	10	Cloudy 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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
13-09-2025	14-09-2025	76	28	8	BDL	Cloudy sky / Calm	
26-09-2025	27-09-2025	68	25	6	BDL	Cloudy 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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
13-09-2025	14-09-2025	72	27	7	BDL	Cloudy sky / Calm	
26-09-2025	27-09-2025	65	24	6	BDL	Cloudy sky / Calm	
NAAQS, 2009		100	60	80	80		



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
SEPT'25	06-09-2025	70.7	69.2
SEPT'25	24-09-2025	70.1	68.7
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
SEPT'25	06-09-2025	42.9	41.5
SEPT'25	24-09-2025	42.6	40.2
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



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7182	
TEST REPORT NO.		RIN/TR/SEPT-25/76		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-09-25 TO 15-10-25	

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	
04-09-2025	05-09-2025	67	29	15	BDL	RAINY/CALM
05-09-2025	06-09-2025	69	31	16	BDL	RAINY/CALM
11-09-2025	12-09-2025	84	37	17	BDL	CLOUDY/CALM
12-09-2025	13-09-2025	81	39	18	11	CLOUDY/CALM
18-09-2025	19-09-2025	76	41	16	BDL	CLOUDY/CALM
19-09-2025	20-09-2025	84	46	15	BDL	CLOUDY/CALM
23-09-2025	24-09-2025	75	38	17	12	CLOUDY/CALM
24-09-2025	25-09-2025	79	34	16	BDL	CLOUDY/CALM
27-09-2025	28-09-2025	71	33	15	BDL	RAINY/CALM
28-09-2025	29-09-2025	73	35	14	BDL	RAINY/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	
02-09-2025	03-09-2025	70	33	14	BDL	RAINY/CALM
03-09-2025	04-09-2025	72	28	15	BDL	RAINY/CALM
09-09-2025	10-09-2025	84	42	15	BDL	CLOUDY/CALM
10-09-2025	11-09-2025	77	38	16	BDL	CLOUDY/CALM
16-09-2025	17-09-2025	81	39	17	11	CLOUDY/CALM
17-09-2025	18-09-2025	78	35	18	12	CLOUDY/CALM
21-09-2025	22-09-2025	85	42	16	BDL	CLOUDY/CALM
22-09-2025	23-09-2025	75	43	16	BDL	CLOUDY/CALM
27-09-2025	28-09-2025	65	29	15	BDL	RAINY/CALM
28-09-2025	29-09-2025	67	31	14	BDL	RAINY/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	
02-09-2025	03-09-2025	73	32	15	BDL	RAINY/CALM
03-09-2025	04-09-2025	74	34	16	BDL	RAINY/CALM
09-09-2025	10-09-2025	88	45	15	BDL	CLOUDY/CALM
10-09-2025	11-09-2025	84	41	14	BDL	CLOUDY/CALM
16-09-2025	17-09-2025	79	35	16	BDL	CLOUDY/CALM
17-09-2025	18-09-2025	76	37	18	12	CLOUDY/CALM
21-09-2025	22-09-2025	74	34	17	11	CLOUDY/CALM
22-09-2025	23-09-2025	82	45	16	10	CLOUDY/CALM
27-09-2025	28-09-2025	70	31	14	BDL	RAINY/CALM
28-09-2025	29-09-2025	68	30	16	BDL	RAINY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DEcember 2000		100	60	80	80	



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

COLONY(SARNI):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	11-09-2025	43.4	40.5
SEPT'25	27-09-2025	42.2	39.4
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
SEPT'25	11-09-2025	42.4	40.7
SEPT'25	27-09-2025	43.3	41.7
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



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/SEPT-25/75	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25	

CANTEEN BUILDING PKCUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-09-2025	07-09-2025	349	218	63	26	13
29-09-2025	30-09-2025	296	197	59	22	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

UNIT STORE PKCUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-09-2025	07-09-2025	327	211	64	23	11
29-09-2025	30-09-2025	316	199	62	21	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

REGIONAL WORKSHOP PKCUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-09-2025	03-09-2025	72	32	14	BDL	RAINY/CALM
03-09-2025	04-09-2025	69	31	15	BDL	RAINY/CALM
09-09-2025	10-09-2025	88	45	17	11	CLOUDY/CALM
10-09-2025	11-09-2025	85	41	18	12	CLOUDY/CALM
16-09-2025	17-09-2025	81	43	15	BDL	CLOUDY/CALM
17-09-2025	18-09-2025	75	40	16	BDL	CLOUDY/CALM
21-09-2025	22-09-2025	78	42	17	10	CLOUDY/CALM
22-09-2025	23-09-2025	76	40	15	BDL	CLOUDY/CALM
27-09-2025	28-09-2025	75	35	16	10	RAINY/CALM
28-09-2025	29-09-2025	73	33	14	BDL	RAINY/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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-09-2025	03-09-2025	69	30	14	BDL	RAINY/CALM
03-09-2025	04-09-2025	71	32	13	BDL	RAINY/CALM
09-09-2025	10-09-2025	84	45	15	BDL	CLOUDY/CALM
10-09-2025	11-09-2025	88	42	14	BDL	CLOUDY/CALM
16-09-2025	17-09-2025	78	38	15	BDL	CLOUDY/CALM
17-09-2025	18-09-2025	79	39	18	12	CLOUDY/CALM
21-09-2025	22-09-2025	75	41	17	11	CLOUDY/CALM
22-09-2025	23-09-2025	85	32	16	10	CLOUDY/CALM
27-09-2025	28-09-2025	74	31	14	BDL	RAINY/CALM
28-09-2025	29-09-2025	73	33	15	BDL	RAINY/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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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
05-09-2025	8.01	58	44	BDL	578
18-09-2025	7.92	46	40	BDL	608
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10	2000



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	67.2	64.3
SEPT'25	27-09-2025	66.3	63.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SHOBHAPUR COLONY:		PKCUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	42.2	40.4
SEPT'25	27-09-2025	41.2	39.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


Yogesh Pidurkar
Reviewed by


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ENVIRONMENTAL MONITORING REPORT

TAWA-II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 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/SEPT-25/78	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

CANTEN 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	
07-09-2025	08-09-2025	342	219	66	25	12	CLOUDY/CALM
29-09-2025	30-09-2025	323	203	61	23	11	CLOUDY/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	
07-09-2025	08-09-2025	339	219	64	26	12	CLOUDY/CALM
29-09-2025	30-09-2025	308	195	59	23	11	CLOUDY/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		
04-09-2025	05-09-2025	69	30	13	BDL		RAINY/CALM
05-09-2025	06-09-2025	73	34	15	BDL		RAINY/CALM
11-09-2025	12-09-2025	83	46	15	BDL		CLOUDY/CALM
12-09-2025	13-09-2025	82	38	16	12		CLOUDY/CALM
18-09-2025	19-09-2025	78	42	17	11		CLOUDY/CALM
19-09-2025	20-09-2025	81	38	16	BDL		CLOUDY/CALM
23-09-2025	24-09-2025	77	37	17	12		CLOUDY/CALM
24-09-2025	25-09-2025	83	40	16	BDL		CLOUDY/CALM
27-09-2025	28-09-2025	74	34	18	11		RAINY/CALM
28-09-2025	29-09-2025	71	32	14	BDL		RAINY/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		
04-09-2025	05-09-2025	70	34	15	BDL		RAINY/CALM
05-09-2025	06-09-2025	73	37	14	BDL		RAINY/CALM
11-09-2025	12-09-2025	82	42	16	BDL		CLOUDY/CALM
12-09-2025	13-09-2025	87	43	15	BDL		CLOUDY/CALM
18-09-2025	19-09-2025	88	42	16	11		CLOUDY/CALM
19-09-2025	20-09-2025	79	38	17	10		CLOUDY/CALM
23-09-2025	24-09-2025	75	37	18	12		CLOUDY/CALM
24-09-2025	25-09-2025	85	42	15	BDL		CLOUDY/CALM
27-09-2025	28-09-2025	75	34	13	BDL		RAINY/CALM
28-09-2025	29-09-2025	78	38	14	BDL		RAINY/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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
06-09-2025	7.63	44	32	BDL
18-09-2025	8.13	40	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
SAMPLING METHOD	LSOP 6

FAN HOUSE:		PKTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	11-09-2025	68.3	65.5
SEPT'25	27-09-2025	67.3	65.6
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
SEPT'25	11-09-2025	43.3	41.6
SEPT'25	27-09-2025	42.4	40.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

TAWA UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2025

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/79	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25	

SAM OFFICE PKTUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-09-2025	07-09-2025	5	5	2	6	10
29-09-2025	30-09-2025	275	187	59	21	BDL
29-09-2025	30-09-2025	324	209	64	25	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

PIT OFFICE PKT2UA1						
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
07-09-2025	08-09-2025	5	5	2	6	10
29-09-2025	30-09-2025	298	182	58	22	10
29-09-2025	30-09-2025	315	202	62	24	11
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-09-2025	05-09-2025	5	2	6	10	RAINY/CALM
05-09-2025	06-09-2025	69	30	13	BDL	RAINY/CALM
05-09-2025	06-09-2025	73	34	15	BDL	RAINY/CALM
11-09-2025	12-09-2025	83	46	15	BDL	CLOUDY/CALM
12-09-2025	13-09-2025	82	38	16	12	CLOUDY/CALM
18-09-2025	19-09-2025	78	42	17	11	CLOUDY/CALM
19-09-2025	20-09-2025	81	38	16	BDL	CLOUDY/CALM
23-09-2025	24-09-2025	77	37	17	12	CLOUDY/CALM
24-09-2025	25-09-2025	83	40	16	BDL	CLOUDY/CALM
27-09-2025	28-09-2025	74	34	18	11	RAINY/CALM
28-09-2025	29-09-2025	71	32	14	BDL	RAINY/CALM
		100	60	80	80	

HIRA PALLA/BHAGAIAKHAPA VILLAGE PKT2UA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-09-2025	05-09-2025	5	2	6	10	RAINY/CALM
05-09-2025	06-09-2025	70	34	15	BDL	RAINY/CALM
05-09-2025	06-09-2025	73	37	14	BDL	RAINY/CALM
11-09-2025	12-09-2025	82	42	16	BDL	CLOUDY/CALM
12-09-2025	13-09-2025	87	43	15	BDL	CLOUDY/CALM
18-09-2025	19-09-2025	88	42	16	11	CLOUDY/CALM
19-09-2025	20-09-2025	79	38	17	10	CLOUDY/CALM
23-09-2025	24-09-2025	75	37	18	12	CLOUDY/CALM
24-09-2025	25-09-2025	85	42	15	BDL	CLOUDY/CALM
27-09-2025	28-09-2025	75	34	13	BDL	RAINY/CALM
28-09-2025	29-09-2025	78	38	14	BDL	RAINY/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), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
06-09-2025	7.88	46	40	BDL
18-09-2025	8.12	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE: PKTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	69.2	67.4
SEPT'25	27-09-2025	68.2	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PATHAKHERA COLONY(TAWA): PKTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	43.3	41.6
SEPT'25	27-09-2025	42.4	40.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

BARKUHI OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2025

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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			
TEST REPORT NO.		RIN/TR/SEPT-25/54		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-09-25 TO 15-10-25	

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	
12-09-2025	13-09-2025	241	156	38	16	11	CLOUDY /CALM
25-09-2025	26-09-2025	269	167	45	19	14	CLOUDY /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	
12-09-2025	13-09-2025	215	162	30	14	BDL	CLOUDY /CALM
25-09-2025	26-09-2025	265	192	49	19	12	CLOUDY /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	
12-09-2025	13-09-2025	276	160	39	15	11	cloudy sky / calm
25-09-2025	26-09-2025	255	155	35	18	10	cloudy sky / 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		
12-09-2025	13-09-2025	76	26	10	BDL	CLOUDY /CALM	
25-09-2025	26-09-2025	63	18	8	BDL	CLOUDY /CALM	
NAAQS, 2009		100	60	80	80		


Analysed by


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Reviewed by


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ENVIRONMENTAL MONITORING REPORT

BG SIDING

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 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/SEPT-25/59a	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
07-09-2025	08-09-2025	287	174	41	18	14	CLOUDY SKY/CALM
25-09-2025	26-09-2025	257	152	34	15	10	CLOUDY SKY/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	
12-09-2025	13-09-2025	268	172	52	19	15	CLOUDY SKY/CALM
25-09-2025	26-09-2025	302	189	58	24	12	CLOUDY SKY/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	
01-09-2025	02-09-2025	65	29	10	BDL	Cloudy sky / Calm
02-09-2025	03-09-2025	78	22	8	BDL	Cloudy sky / Calm
08-09-2025	09-09-2025	82	36	9	BDL	Cloudy sky / Calm
09-09-2025	10-09-2025	66	20	7	BDL	Cloudy sky / Calm
13-09-2025	14-09-2025	74	28	11	BDL	Cloudy sky / Calm
16-09-2025	17-09-2025	70	24	12	BDL	Cloudy sky / Calm
21-09-2025	22-09-2025	69	22	10	BDL	Cloudy sky / Calm
22-09-2025	23-09-2025	75	28	9	BDL	Cloudy sky / Calm
26-09-2025	27-09-2025	76	33	8	BDL	Cloudy sky / Calm
27-09-2025	28-09-2025	72	36	7	BDL	Cloudy sky / 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	
01-09-2025	02-09-2025	82	29	12	BDL	Cloudy sky / Calm
02-09-2025	03-09-2025	77	32	8	BDL	Cloudy sky / Calm
08-09-2025	09-09-2025	76	39	10	BDL	Cloudy sky / Calm
09-09-2025	10-09-2025	72	34	11	BDL	Cloudy sky / Calm
13-09-2025	14-09-2025	74	33	14	BDL	Cloudy sky / Calm
16-09-2025	17-09-2025	77	34	12	BDL	Cloudy sky / Calm
21-09-2025	22-09-2025	72	29	8	BDL	Cloudy sky / Calm
22-09-2025	23-09-2025	62	33	9	BDL	Cloudy sky / Calm
26-09-2025	27-09-2025	69	26	12	BDL	Cloudy sky / Calm
27-09-2025	28-09-2025	74	30	9	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
SAMPLING METHOD	LSOP 6

MANAGER OFFICE		PBGSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	12-09-2025	47.2	45.4
SEPT'25	25-09-2025	46.2	44.9
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
SEPT'25	12-09-2025	45.7	44.6
SEPT'25	25-09-2025	45.2	44.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

CHANDAMETA WORKSHOP

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 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/SEPT-25/55	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

CHANDAMETA WORKSHOP				PCWA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-09-2025	13-09-2025	276	160	39	15	11	cloudy sky / calm
25-09-2025	26-09-2025	255	155	35	18	10	cloudy sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
09-09-2025	7.64	18	32	BDL
29-09-2025	7.87	22	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
SAMPLING METHOD	LSOP 6

NEAR CHANDAMETA WORKSHOP:		PCWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	12-09-2025	46.9	45.7
SEPT'25	25-09-2025	47.2	46.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

CHINDA OC

PENCH AREA

WESTERN COALFIELDS LTD.

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SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/SEPT-25/56	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

SAM OFFICE		PCOA1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
07-09-2025	08-09-2025	256	147	32	16	12
25-09-2025	26-09-2025	198	125	29	12	BDL
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
12-09-2025	13-09-2025	278	168	49	17	12
25-09-2025	26-09-2025	304	178	52	20	11
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	69	22	11	BDL	CLOUDY SKY / CALM
02-09-2025	03-09-2025	70	26	9	BDL	CLOUDY SKY / CALM
08-09-2025	09-09-2025	59	28	10	BDL	CLOUDY SKY / CALM
09-09-2025	10-09-2025	66	26	12	BDL	CLOUDY SKY / CALM
13-09-2025	14-09-2025	72	31	8	BDL	CLOUDY SKY / CALM
16-09-2025	17-09-2025	73	30	9	BDL	CLOUDY SKY / CALM
21-09-2025	22-09-2025	78	30	10	BDL	CLOUDY SKY / CALM
22-09-2025	23-09-2025	67	33	11	BDL	CLOUDY SKY / CALM
26-09-2025	27-09-2025	80	34	14	BDL	CLOUDY SKY / CALM
27-09-2025	28-09-2025	71	36	13	BDL	CLOUDY SKY / CALM
NAAQS, 2009		100	60	80	80	

CHINDA COLONY		PNSOA2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	74	29	8	BDL	CLOUDY SKY / CALM
02-09-2025	03-09-2025	65	33	7	BDL	CLOUDY SKY / CALM
08-09-2025	09-09-2025	76	30	8	BDL	CLOUDY SKY / CALM
09-09-2025	10-09-2025	70	30	10	BDL	CLOUDY SKY / CALM
13-09-2025	14-09-2025	76	34	12	BDL	CLOUDY SKY / CALM
16-09-2025	17-09-2025	65	29	10	BDL	CLOUDY SKY / CALM
21-09-2025	22-09-2025	58	30	11	BDL	CLOUDY SKY / CALM
22-09-2025	23-09-2025	69	22	8	BDL	CLOUDY SKY / CALM
26-09-2025	27-09-2025	72	36	7	BDL	CLOUDY SKY / CALM
27-09-2025	28-09-2025	70	32	9	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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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
12-09-2025	7.69	22	36	BDL
19-09-2025	7.82	18	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
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PCON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	47.8	46.5
SEPT'25	25-09-2025	45.9	44.5
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
SEPT'25	12-09-2025	45.9	44.7
SEPT'25	25-09-2025	45.1	44.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

DHANKASA UG

PENCH AREA

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SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/SEPT-25/66a	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO ₂ : IS 5182 (Part-06), SO ₂ :IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25	

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	
03-09-2025	04-09-2025	54	18	7	BDL	CLEAR SKY /CALM
04-09-2025	05-09-2025	69	34	9	BDL	CLEAR SKY /CALM
10-09-2025	11-09-2025	66	22	8	BDL	CLEAR SKY /CALM
11-09-2025	12-09-2025	70	29	7	BDL	CLEAR SKY /CALM
17-09-2025	18-09-2025	78	34	10	BDL	CLEAR SKY /CALM
18-09-2025	19-09-2025	60	28	11	BDL	CLEAR SKY /CALM
23-09-2025	24-09-2025	69	26	8	BDL	CLEAR SKY /CALM
24-09-2025	25-09-2025	71	31	7	BDL	CLEAR SKY /CALM
28-09-2025	29-09-2025	60	22	11	BDL	CLEAR SKY /CALM
29-09-2025	30-09-2025	73	36	13	BDL	CLEAR SKY /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	
03-09-2025	04-09-2025	66	29	8	BDL	CLEAR SKY /CALM
04-09-2025	05-09-2025	70	30	7	BDL	CLEAR SKY /CALM
10-09-2025	11-09-2025	68	29	8	BDL	CLEAR SKY /CALM
11-09-2025	12-09-2025	55	27	9	BDL	CLEAR SKY /CALM
17-09-2025	18-09-2025	69	33	7	BDL	CLEAR SKY /CALM
18-09-2025	19-09-2025	71	28	10	BDL	CLEAR SKY /CALM
23-09-2025	24-09-2025	59	31	14	BDL	CLEAR SKY /CALM
24-09-2025	25-09-2025	66	25	8	BDL	CLEAR SKY /CALM
28-09-2025	29-09-2025	72	29	9	BDL	CLEAR SKY /CALM
29-09-2025	30-09-2025	76	33	7	BDL	CLEAR SKY /CALM
NAAQS, 2009		100	60	80	80	

MANAGER OFFICE PDU A3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
05-09-2025	06-09-2025	247	124	30	15	10
19-09-2025	20-09-2025	287	180	49	18	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

SUBSTATION OFFICE PDU A4						
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
05-09-2025	06-09-2025	255	162	46	17	12
19-09-2025	20-09-2025	234	147	28	19	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
13-09-2025	7.77	22	32	BDL
29-09-2025	7.68	26	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

BHUMKADHANA VILLAGE		PDUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'25	12-09-2025	44.5	43.5
SEPT'25	25-09-2025	44.8	43.2
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
SEPT'25	12-09-2025	47.8	45.1
SEPT'25	25-09-2025	47.4	45.8
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
SEPT'25	12-09-2025	46.8	44.9
SEPT'25	25-09-2025	47.9	46.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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ENVIRONMENTAL MONITORING REPORT

EDC SIDING

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 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/SEPT-25/59b	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
12-09-2025	13-09-2025	268	169	48	21	14	CLEAR SKY / CALM
25-09-2025	26-09-2025	250	174	52	18	12	CLEAR SKY / 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	
12-09-2025	13-09-2025	312	189	55	22	14	CLEAR SKY / CALM
25-09-2025	26-09-2025	306	175	50	23	11	CLEAR SKY / 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		
01-09-2025	02-09-2025	65	29	10	BDL	Cloudy sky / Calm	
02-09-2025	03-09-2025	78	22	8	BDL	Cloudy sky / Calm	
08-09-2025	09-09-2025	82	36	9	BDL	Cloudy sky / Calm	
09-09-2025	10-09-2025	66	20	7	BDL	Cloudy sky / Calm	
13-09-2025	14-09-2025	74	28	11	BDL	Cloudy sky / Calm	
16-09-2025	17-09-2025	70	24	12	BDL	Cloudy sky / Calm	
21-09-2025	22-09-2025	69	22	10	BDL	Cloudy sky / Calm	
22-09-2025	23-09-2025	75	28	9	BDL	Cloudy sky / Calm	
26-09-2025	27-09-2025	76	33	8	BDL	Cloudy sky / Calm	
27-09-2025	28-09-2025	72	36	7	BDL	Cloudy sky / 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		
01-09-2025	02-09-2025	82	29	12	BDL	Cloudy sky / Calm	
02-09-2025	03-09-2025	77	32	8	BDL	Cloudy sky / Calm	
08-09-2025	09-09-2025	76	39	10	BDL	Cloudy sky / Calm	
09-09-2025	10-09-2025	72	34	11	BDL	Cloudy sky / Calm	
13-09-2025	14-09-2025	74	33	14	BDL	Cloudy sky / Calm	
16-09-2025	17-09-2025	77	34	12	BDL	Cloudy sky / Calm	
21-09-2025	22-09-2025	72	29	8	BDL	Cloudy sky / Calm	
22-09-2025	23-09-2025	62	33	9	BDL	Cloudy sky / Calm	
26-09-2025	27-09-2025	69	26	12	BDL	Cloudy sky / Calm	
27-09-2025	28-09-2025	74	30	9	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
SAMPLING METHOD	LSOP 6

MANAGER OFFICE PEDCN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	48.8	46.9
SEPT'25	25-09-2025	48.2	46.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY GUEST HOUSE PARASIA PMUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	45.7	44.6
SEPT'25	25-09-2025	45.2	44.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

JAMUNIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

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SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/SEPT-25/58	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

MANAGER OFFICE PJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	239	140	36	14	BDL	CLOUDY SKY / CALM
19-09-2025	20-09-2025	268	173	46	15	11	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

SUBSTATION PJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-09-2025	06-09-2025	288	192	54	12	BDL	CLOUDY SKY / CALM
19-09-2025	20-09-2025	276	170	43	15	11	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

JAMUNIA VILLAGE PJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-09-2025	04-09-2025	48	14	6	BDL	CLOUDY SKY / CALM	
04-09-2025	05-09-2025	62	22	8	BDL	CLOUDY SKY / CALM	
10-09-2025	11-09-2025	60	29	7	BDL	CLOUDY SKY / CALM	
11-09-2025	12-09-2025	72	27	9	BDL	CLOUDY SKY / CALM	
17-09-2025	18-09-2025	62	20	6	BDL	CLOUDY SKY / CALM	
18-09-2025	19-09-2025	58	24	9	BDL	CLOUDY SKY / CALM	
23-09-2025	24-09-2025	50	16	10	BDL	CLOUDY SKY / CALM	
24-09-2025	25-09-2025	59	18	8	BDL	CLOUDY SKY / CALM	
28-09-2025	29-09-2025	64	29	9	BDL	CLOUDY SKY / CALM	
29-09-2025	30-09-2025	70	32	7	BDL	CLOUDY SKY / 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		
03-09-2025	04-09-2025	66	16	11	BDL	CLOUDY SKY / CALM	
04-09-2025	05-09-2025	72	26	9	BDL	CLOUDY SKY / CALM	
10-09-2025	11-09-2025	69	30	10	BDL	CLOUDY SKY / CALM	
11-09-2025	12-09-2025	59	18	11	BDL	CLOUDY SKY / CALM	
17-09-2025	18-09-2025	71	33	8	BDL	CLOUDY SKY / CALM	
18-09-2025	19-09-2025	55	20	7	BDL	CLOUDY SKY / CALM	
23-09-2025	24-09-2025	64	25	8	BDL	CLOUDY SKY / CALM	
24-09-2025	25-09-2025	69	26	9	BDL	CLOUDY SKY / CALM	
28-09-2025	29-09-2025	73	22	6	BDL	CLOUDY SKY / CALM	
29-09-2025	30-09-2025	77	34	10	BDL	CLOUDY SKY / CALM	
NAAQS, 2009		100	60	80	80		


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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: PJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	45.5	43.9
SEPT'25	25-09-2025	45.2	44.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/59	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

MANAGER OFFICE PMUA1						
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
12-09-2025	13-09-2025	262	147	32	14	10
25-09-2025	26-09-2025	271	176	44	19	14
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
12-09-2025	13-09-2025	197	120	36	15	BDL
25-09-2025	26-09-2025	231	147	42	16	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

GUEST HOUSE PARASIA PMUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	65	29	10	BDL	Cloudy sky / Calm
02-09-2025	03-09-2025	78	22	8	BDL	Cloudy sky / Calm
08-09-2025	09-09-2025	82	36	9	BDL	Cloudy sky / Calm
09-09-2025	10-09-2025	66	20	7	BDL	Cloudy sky / Calm
13-09-2025	14-09-2025	74	28	11	BDL	Cloudy sky / Calm
16-09-2025	17-09-2025	70	24	12	BDL	Cloudy sky / Calm
21-09-2025	22-09-2025	69	22	10	BDL	Cloudy sky / Calm
22-09-2025	23-09-2025	75	28	9	BDL	Cloudy sky / Calm
26-09-2025	27-09-2025	76	33	8	BDL	Cloudy sky / Calm
27-09-2025	28-09-2025	72	36	7	BDL	Cloudy sky / Calm
NAAQS, 2009		100	60	80	80	

COLONY EDC DISPENSARY PMUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	82	29	12	BDL	Cloudy sky / Calm
02-09-2025	03-09-2025	77	32	8	BDL	Cloudy sky / Calm
08-09-2025	09-09-2025	76	39	10	BDL	Cloudy sky / Calm
09-09-2025	10-09-2025	72	34	11	BDL	Cloudy sky / Calm
13-09-2025	14-09-2025	74	33	14	BDL	Cloudy sky / Calm
16-09-2025	17-09-2025	77	34	12	BDL	Cloudy sky / Calm
21-09-2025	22-09-2025	72	29	8	BDL	Cloudy sky / Calm
22-09-2025	23-09-2025	62	33	9	BDL	Cloudy sky / Calm
26-09-2025	27-09-2025	69	26	12	BDL	Cloudy sky / Calm
27-09-2025	28-09-2025	74	30	9	BDL	Cloudy sky / Calm
NAAQS, 2009		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
13-09-2025	7.68	22	32	BDL
29-09-2025	7.54	18	28	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
SAMPLING METHOD	LSOP 6

FAN HOUSE: PMUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	69.4	67.4
SEPT'25	25-09-2025	69.2	68.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	45.7	44.6
SEPT'25	25-09-2025	45.2	44.9
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/SEPT-25/60	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO ₂ : IS 5182 (Part-06), SO ₂ :IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

SAM OFFICE PNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-09-2025	07-09-2025	257	136	40	17	13	CLOUDY SKY/ CALM
19-09-2025	20-09-2025	231	127	36	15	10	CLOUDY SKY/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

LAMP ROOM/ SUBSTATION PNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-09-2025	07-09-2025	233	136	32	14	BDL	CLOUDY SKY/ CALM
19-09-2025	20-09-2025	259	157	42	16	BDL	CLOUDY SKY/ 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		
03-09-2025	04-09-2025	59	29	10	BDL	CLOUDY SKY / CALM	
04-09-2025	05-09-2025	65	30	8	BDL	CLOUDY SKY / CALM	
10-09-2025	11-09-2025	70	24	9	BDL	CLOUDY SKY / CALM	
11-09-2025	12-09-2025	77	36	10	BDL	CLOUDY SKY / CALM	
17-09-2025	18-09-2025	65	28	11	BDL	CLOUDY SKY / CALM	
18-09-2025	19-09-2025	57	34	12	BDL	CLOUDY SKY / CALM	
23-09-2025	24-09-2025	58	24	8	BDL	CLOUDY SKY / CALM	
24-09-2025	25-09-2025	60	32	9	BDL	CLOUDY SKY / CALM	
28-09-2025	29-09-2025	65	26	7	BDL	CLOUDY SKY / CALM	
29-09-2025	30-09-2025	53	22	8	BDL	CLOUDY SKY / 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		
03-09-2025	04-09-2025	66	16	11	BDL	CLOUDY SKY / CALM	
04-09-2025	05-09-2025	72	26	9	BDL	CLOUDY SKY / CALM	
10-09-2025	11-09-2025	69	30	10	BDL	CLOUDY SKY / CALM	
11-09-2025	12-09-2025	59	18	11	BDL	CLOUDY SKY / CALM	
17-09-2025	18-09-2025	71	33	8	BDL	CLOUDY SKY / CALM	
18-09-2025	19-09-2025	55	20	7	BDL	CLOUDY SKY / CALM	
23-09-2025	24-09-2025	64	25	8	BDL	CLOUDY SKY / CALM	
24-09-2025	25-09-2025	69	26	9	BDL	CLOUDY SKY / CALM	
28-09-2025	29-09-2025	73	22	6	BDL	CLOUDY SKY / CALM	
29-09-2025	30-09-2025	77	34	10	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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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

MINE WATER DISCHARGE: PNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-09-2025	7.75	26	48	BDL
29-09-2025	7.47	14	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: PNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-09-2025	7.48	24	40	BDL
29-09-2025	7.92	30	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
SAMPLING METHOD	LSOP 6

FAN HOUSE: PNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	12-09-2025	69.2	68.7
SEPT'25	25-09-2025	69.7	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	12-09-2025	45.9	44.2
SEPT'25	25-09-2025	45.4	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEW SETHIA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 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/SEPT-25/61	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO ₂ : IS 5182 (Part-06), SO ₂ :IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

NEW SETHIA OC SITE PNSOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
12-09-2025	13-09-2025	288	197	54	30	15
25-09-2025	26-09-2025	253	174	45	22	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

SAM OFFICE PCOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
07-09-2025	08-09-2025	256	147	32	16	12
25-09-2025	26-09-2025	198	125	29	12	BDL
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

CHINDA VILLAGE PCOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	69	22	11	BDL	CLOUDY SKY / CALM
02-09-2025	03-09-2025	70	26	9	BDL	CLOUDY SKY / CALM
08-09-2025	09-09-2025	59	28	10	BDL	CLOUDY SKY / CALM
09-09-2025	10-09-2025	66	26	12	BDL	CLOUDY SKY / CALM
13-09-2025	14-09-2025	72	31	8	BDL	CLOUDY SKY / CALM
16-09-2025	17-09-2025	73	30	9	BDL	CLOUDY SKY / CALM
21-09-2025	22-09-2025	78	30	10	BDL	CLOUDY SKY / CALM
22-09-2025	23-09-2025	67	33	11	BDL	CLOUDY SKY / CALM
26-09-2025	27-09-2025	80	34	14	BDL	CLOUDY SKY / CALM
27-09-2025	28-09-2025	71	36	13	BDL	CLOUDY SKY / CALM
NAAQS, 2009		100	60	80	80	

CHINDA COLONY PNSOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2025	02-09-2025	74	29	8	BDL	CLOUDY SKY / CALM
02-09-2025	03-09-2025	65	33	7	BDL	CLOUDY SKY / CALM
08-09-2025	09-09-2025	76	30	8	BDL	CLOUDY SKY / CALM
09-09-2025	10-09-2025	70	30	10	BDL	CLOUDY SKY / CALM
13-09-2025	14-09-2025	76	34	12	BDL	CLOUDY SKY / CALM
16-09-2025	17-09-2025	65	29	10	BDL	CLOUDY SKY / CALM
21-09-2025	22-09-2025	58	30	11	BDL	CLOUDY SKY / CALM
22-09-2025	23-09-2025	69	22	8	BDL	CLOUDY SKY / CALM
26-09-2025	27-09-2025	72	36	7	BDL	CLOUDY SKY / CALM
27-09-2025	28-09-2025	70	32	9	BDL	CLOUDY SKY / CALM
NAAQS, 2009		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
13-09-2025	7.65	20	32	BDL
29-09-2025	7.67	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
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
SEPT'25	12-09-2025	46.8	45.8
SEPT'25	25-09-2025	46.2	45.9
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
SEPT'25	12-09-2025	45.9	44.7
SEPT'25	25-09-2025	45.1	44.7
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



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/62	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

SITE OFFICE PSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-09-2025	07-09-2025	232	124	36	22	14	CLOUDY SKY / CALM
20-09-2025	21-09-2025	254	147	42	16	11	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SHIVPURI WEIGH BRIDGE PSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-09-2025	07-09-2025	308	196	56	21	14	CLOUDY SKY / CALM
20-09-2025	21-09-2025	297	176	49	26	16	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SUBSTATION PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-09-2025	08-09-2025	238	157	45	14	BDL	CLOUDY SKY / CALM
20-09-2025	21-09-2025	189	110	28	10	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-09-2025	02-09-2025	72	34	9	BDL	CLOUDY SKY / CALM	
02-09-2025	03-09-2025	68	36	7	BDL	CLOUDY SKY / CALM	
08-09-2025	09-09-2025	65	33	8	BDL	CLOUDY SKY / CALM	
09-09-2025	10-09-2025	55	24	9	BDL	CLOUDY SKY / CALM	
13-09-2025	14-09-2025	81	30	8	BDL	CLOUDY SKY / CALM	
16-09-2025	17-09-2025	75	38	10	BDL	CLOUDY SKY / CALM	
21-09-2025	22-09-2025	60	26	11	BDL	CLOUDY SKY / CALM	
22-09-2025	23-09-2025	69	22	8	BDL	CLOUDY SKY / CALM	
26-09-2025	27-09-2025	70	31	9	BDL	CLOUDY SKY / CALM	
27-09-2025	28-09-2025	69	30	12	BDL	CLOUDY SKY / CALM	
NAAQS, 2009		100	60	80	80		

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01-09-2025	02-09-2025	69	22	11	BDL	CLOUDY SKY / CALM	
02-09-2025	03-09-2025	70	26	9	BDL	CLOUDY SKY / CALM	
08-09-2025	09-09-2025	59	28	10	BDL	CLOUDY SKY / CALM	
09-09-2025	10-09-2025	66	26	12	BDL	CLOUDY SKY / CALM	
13-09-2025	14-09-2025	72	31	8	BDL	CLOUDY SKY / CALM	
16-09-2025	17-09-2025	73	30	9	BDL	CLOUDY SKY / CALM	
21-09-2025	22-09-2025	78	30	10	BDL	CLOUDY SKY / CALM	
22-09-2025	23-09-2025	67	33	11	BDL	CLOUDY SKY / CALM	
26-09-2025	27-09-2025	80	34	14	BDL	CLOUDY SKY / CALM	
27-09-2025	28-09-2025	71	36	13	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
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
SEPT'25	12-09-2025	46.2	45.4
SEPT'25	25-09-2025	45.9	44.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PSON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	45.9	44.7
SEPT'25	25-09-2025	45.4	44.1
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



SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-25/56a		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-09-25 TO 15-10-25	

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	
01-09-2025	02-09-2025	54	28	9	BDL	CLOUDY SKY /CALM
02-09-2025	03-09-2025	48	33	10	BDL	CLOUDY SKY /CALM
08-09-2025	09-09-2025	62	30	8	BDL	CLOUDY SKY /CALM
09-09-2025	10-09-2025	74	36	11	BDL	CLOUDY SKY /CALM
13-09-2025	14-09-2025	66	32	9	BDL	CLOUDY SKY /CALM
16-09-2025	17-09-2025	65	22	8	BDL	CLOUDY SKY /CALM
21-09-2025	22-09-2025	58	18	7	BDL	CLOUDY SKY /CALM
22-09-2025	23-09-2025	52	20	9	BDL	CLOUDY SKY /CALM
26-09-2025	27-09-2025	62	26	10	BDL	CLOUDY SKY /CALM
27-09-2025	28-09-2025	60	22	8	BDL	CLOUDY SKY /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
07-09-2025	08-09-2025	257	154	56	18	14
20-09-2025	21-09-2025	213	120	35	12	BDL
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
07-09-2025	08-09-2025	274	162	48	18	12
20-09-2025	21-09-2025	288	185	53	22	16
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	
01-09-2025	02-09-2025	75	30	10	BDL	CLOUDY SKY /CALM
02-09-2025	03-09-2025	65	29	9	BDL	CLOUDY SKY /CALM
08-09-2025	09-09-2025	70	34	11	BDL	CLOUDY SKY /CALM
09-09-2025	10-09-2025	59	28	8	BDL	CLOUDY SKY /CALM
13-09-2025	14-09-2025	62	36	9	BDL	CLOUDY SKY /CALM
16-09-2025	17-09-2025	74	41	7	BDL	CLOUDY SKY /CALM
21-09-2025	22-09-2025	68	30	10	BDL	CLOUDY SKY /CALM
22-09-2025	23-09-2025	52	22	11	BDL	CLOUDY SKY /CALM
26-09-2025	27-09-2025	66	28	8	BDL	CLOUDY SKY /CALM
27-09-2025	28-09-2025	70	36	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
SAMPLING METHOD	LSOP 6

FAN HOUSE-MATHANI: PTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	45.9	44.4
SEPT'25	25-09-2025	47.7	45.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MATHANI COLONY: PTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	45.8	44.2
SEPT'25	25-09-2025	45.9	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

URDHAN OC

PENCH AREA

WESTERN COALFIELDS LTD.

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SEPTEMBER 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/SEPT-25/64	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
05-09-2025	06-09-2025	256	149	39	15	11	CLOUDY SKY / CALM
19-09-2025	20-09-2025	282	175	48	22	14	CLOUDY SKY / 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	
06-09-2025	07-09-2025	325	210	59	30	16	CLOUDY SKY / CALM
19-09-2025	20-09-2025	298	184	48	20	11	CLOUDY SKY / 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		
03-09-2025	04-09-2025	59	29	10	BDL	CLOUDY SKY / CALM	
04-09-2025	05-09-2025	65	30	8	BDL	CLOUDY SKY / CALM	
10-09-2025	11-09-2025	70	24	9	BDL	CLOUDY SKY / CALM	
11-09-2025	12-09-2025	77	36	10	BDL	CLOUDY SKY / CALM	
17-09-2025	18-09-2025	65	28	11	BDL	CLOUDY SKY / CALM	
18-09-2025	19-09-2025	57	34	12	BDL	CLOUDY SKY / CALM	
23-09-2025	24-09-2025	58	24	8	BDL	CLOUDY SKY / CALM	
24-09-2025	25-09-2025	60	32	9	BDL	CLOUDY SKY / CALM	
28-09-2025	29-09-2025	65	26	7	BDL	CLOUDY SKY / CALM	
29-09-2025	30-09-2025	53	22	8	BDL	CLOUDY SKY / 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		
03-09-2025	04-09-2025	66	16	11	BDL	CLOUDY SKY / CALM	
04-09-2025	05-09-2025	72	26	9	BDL	CLOUDY SKY / CALM	
10-09-2025	11-09-2025	69	30	10	BDL	CLOUDY SKY / CALM	
11-09-2025	12-09-2025	59	18	11	BDL	CLOUDY SKY / CALM	
17-09-2025	18-09-2025	71	33	8	BDL	CLOUDY SKY / CALM	
18-09-2025	19-09-2025	55	20	7	BDL	CLOUDY SKY / CALM	
23-09-2025	24-09-2025	64	25	8	BDL	CLOUDY SKY / CALM	
24-09-2025	25-09-2025	69	26	9	BDL	CLOUDY SKY / CALM	
28-09-2025	29-09-2025	73	22	6	BDL	CLOUDY SKY / CALM	
29-09-2025	30-09-2025	77	34	10	BDL	CLOUDY SKY / CALM	
NAAQS, 2009		100	60	80	80		



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

MINE WATER DISCHARGE: PUOW1		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
13-09-2025	7.56	22	36	BDL
29-09-2025	7.85	26	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: PUOW2		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
13-09-2025	7.52	18	32	BDL
29-09-2025	7.64	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: PUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	12-09-2025	48.4	46.2
SEPT'25	25-09-2025	48.2	46.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

URDHAN VILLAGE: PUON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'25	12-09-2025	45.9	44.7
SEPT'25	25-09-2025	45.7	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

VISHNUPURI-II UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 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-7182
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TEST REPORT NO.	RIN/TR/SEPT-25/66	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

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	
07-09-2025	08-09-2025	274	176	42	14	10	CLOUDY SKY /CALM
20-09-2025	21-09-2025	260	155	32	12	BDL	CLOUDY SKY /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	
07-09-2025	08-09-2025	269	174	46	19	11	CLOUDY SKY /CALM
20-09-2025	21-09-2025	257	147	36	15	10	CLOUDY SKY /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		
01-09-2025	02-09-2025	72	34	9	BDL	CLOUDY SKY / CALM	
02-09-2025	03-09-2025	68	36	7	BDL	CLOUDY SKY / CALM	
08-09-2025	09-09-2025	65	33	8	BDL	CLOUDY SKY / CALM	
09-09-2025	10-09-2025	55	24	9	BDL	CLOUDY SKY / CALM	
13-09-2025	14-09-2025	81	30	8	BDL	CLOUDY SKY / CALM	
16-09-2025	17-09-2025	75	38	10	BDL	CLOUDY SKY / CALM	
21-09-2025	22-09-2025	60	26	11	BDL	CLOUDY SKY / CALM	
22-09-2025	23-09-2025	69	22	8	BDL	CLOUDY SKY / CALM	
26-09-2025	27-09-2025	70	31	9	BDL	CLOUDY SKY / CALM	
27-09-2025	28-09-2025	69	30	12	BDL	CLOUDY SKY / 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		
01-09-2025	02-09-2025	69	22	11	BDL	CLOUDY SKY / CALM	
02-09-2025	03-09-2025	70	26	9	BDL	CLOUDY SKY / CALM	
08-09-2025	09-09-2025	59	28	10	BDL	CLOUDY SKY / CALM	
09-09-2025	10-09-2025	66	26	12	BDL	CLOUDY SKY / CALM	
13-09-2025	14-09-2025	72	31	8	BDL	CLOUDY SKY / CALM	
16-09-2025	17-09-2025	73	30	9	BDL	CLOUDY SKY / CALM	
21-09-2025	22-09-2025	78	30	10	BDL	CLOUDY SKY / CALM	
22-09-2025	23-09-2025	67	33	11	BDL	CLOUDY SKY / CALM	
26-09-2025	27-09-2025	80	34	14	BDL	CLOUDY SKY / CALM	
27-09-2025	28-09-2025	71	36	13	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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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

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
13-09-2025	7.88	28	68	BDL
29-09-2025	7.57	22	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
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
SEPT'25	12-09-2025	68.7	67.2
SEPT'25	25-09-2025	69.2	67.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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ENVIRONMENTAL MONITORING REPORT

CWS TADALI

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WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/SEPT-25/53	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25	

SUBSTATION: CWSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	5	10	
07-09-2025	08-09-2025	200	68	54	12	10	CLOUDY SKY/MODERATE BREEZE
26-09-2025	27-09-2025	214	70	58	14	12	RAINY SKY/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR FILTER PLANT: CWSA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM10	PM _{2.5}	NO ₂	SO ₂	
03-09-2025	04-09-2025	70	49	14	12	RAINY SKY/MODERATE BREEZE
04-09-2025	05-09-2025	76	50	16	14	CLOUDY SKY/LIGHT BREEZE
10-09-2025	11-09-2025	66	47	14	11	RAINY SKY/ LIGHT BREEZE
11-09-2025	12-09-2025	72	52	16	13	RAINY SKY/LIGHT BREEZE
16-09-2025	17-09-2025	65	48	16	14	RAINY SKY/MODERATE BREEZE
17-09-2025	18-09-2025	74	53	14	12	CLOUDY SKY/LIGHT BREEZE
22-09-2025	23-09-2025	78	56	16	13	RAINY SKY/LIGHT BREEZE
23-09-2025	24-09-2025	75	58	17	14	RAINY SKY/MODERATE BREEZE
28-09-2025	29-09-2025	70	54	15	12	RAINY SKY/MODERATE BREEZE
29-09-2025	30-09-2025	74	52	16	14	RAINY SKY/LIGHT BREEZE
		100	60	80	80	

ADMINISTRATIVE BUILDING: CWSA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-09-2025	08-09-2025	290	150	50	14	12	CLOUDY SKY/MODERATE BREEZE
26-09-2025	27-09-2025	310	160	54	15	12	RAINY SKY/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CWS COLONY: CWSA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-09-2025	04-09-2025	60	52	14	11	RAINY SKY/MODERATE BREEZE
04-09-2025	05-09-2025	64	48	12	10	CLOUDY SKY/LIGHT BREEZE
10-09-2025	11-09-2025	54	45	15	14	RAINY SKY/ LIGHT BREEZE
11-09-2025	12-09-2025	67	50	14	10	RAINY SKY/LIGHT BREEZE
16-09-2025	17-09-2025	66	56	12	10	RAINY SKY/MODERATE BREEZE
17-09-2025	18-09-2025	68	50	14	12	CLOUDY SKY/LIGHT BREEZE
22-09-2025	23-09-2025	60	52	16	14	RAINY SKY/LIGHT BREEZE
23-09-2025	24-09-2025	70	55	14	12	RAINY SKY/MODERATE BREEZE
28-09-2025	29-09-2025	67	48	12	10	RAINY SKY/MODERATE BREEZE
29-09-2025	30-09-2025	72	54	16	13	RAINY SKY/LIGHT BREEZE
		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-25 TO 15-10-25

ETP DISCHARGE: CWSW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-09-2025	7.72	50	36	3.4
29-09-2025	7.90	56	32	4.8
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
SAMPLING METHOD	LSOP 6

NEAR WORKSHOP: CWSN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	58.9	57.7
SEPT'25	27-09-2025	57.6	55.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(CWS): CWSN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	12-09-2025	45.4	44.1
SEPT'25	27-09-2025	44.2	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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