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ENVIRONMENTAL MONITORING REPORT

Amalgamation of Gouri & Pauni OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/44	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

MANAGER OFFICE-GOURI-I OC BGOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
09-12-2024	10-12-2024	310	216	64	25	14
23-12-2024	24-12-2024	278	187	53	18	10
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
09-12-2024	10-12-2024	268	163	50	19	10
23-12-2024	24-12-2024	285	187	58	21	12
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	
06-12-2024	07-12-2024	81	43	14	BDL	clear sky /calm
07-12-2024	08-12-2024	70	30	11	BDL	clear sky /calm
13-12-2024	14-12-2024	76	39	12	BDL	clear sky /calm
14-12-2024	15-12-2024	62	32	11	BDL	clear sky /calm
20-12-2024	21-12-2024	77	34	10	BDL	clear sky /calm
21-12-2024	22-12-2024	89	38	13	BDL	clear sky /calm
27-12-2024	28-12-2024	72	29	11	BDL	clear sky /calm
28-12-2024	29-12-2024	66	26	12	BDL	clear sky /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	
04-12-2024	05-12-2024	75	38	11	BDL	clear sky /calm
05-12-2024	06-12-2024	71	26	12	BDL	clear sky /calm
11-12-2024	12-12-2024	69	30	12	BDL	clear sky /calm
12-12-2024	13-12-2024	72	31	14	BDL	clear sky /calm
18-12-2024	19-12-2024	60	29	11	BDL	clear sky /calm
19-12-2024	20-12-2024	67	25	12	BDL	clear sky /calm
25-12-2024	26-12-2024	56	24	9	BDL	clear sky /calm
26-12-2024	27-12-2024	60	32	11	BDL	clear sky /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 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-24 TO 15-01-25

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
13-12-2024	7.9	20	24	BDL
23-12-2024	7.75	16	20	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
13-12-2024	8.31	24	32	BDL
23-12-2024	8.40	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

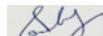
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP: BGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	68.8	66.4
DEC'24	24-12-2024	69.1	67.9
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
DEC'24	09-12-2024	44.3	42.9
DEC'24	24-12-2024	45.1	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
Reviewed by



M. Rabbani
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ENVIRONMENTAL MONITORING REPORT

BALLARPUR OC

BALLARPUR AREA

JOB NO. 4094423068



DECEMBER 2024

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

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/DEC-24/41		DATE OF ISSUE 28-01-2025	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25	

MANAGER OFFICE-BALLARPUR UG BBUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
FROM	TO	5	5	2	6	10
08-12-2024	09-12-2024	265	159	54	21	14
22-12-2024	23-12-2024	276	187	59	23	15
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
FROM	TO	5	5	2	6	10
08-12-2024	09-12-2024	238	143	51	15	10
22-12-2024	23-12-2024	210	122	45	19	11
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
FROM	TO	5	5	2	6	10
08-12-2024	09-12-2024	266	176	50	18	11
22-12-2024	23-12-2024	297	192	59	22	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120

FILTER PLANT COLONY BBUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
04-12-2024	05-12-2024	80	43	15	BDL	Clear sky / calm
05-12-2024	06-12-2024	84	38	13	BDL	Clear sky / calm
11-12-2024	12-12-2024	76	34	10	BDL	Clear sky / calm
12-12-2024	13-12-2024	70	30	12	BDL	Clear sky / calm
18-12-2024	19-12-2024	76	28	14	BDL	Clear sky / calm
19-12-2024	20-12-2024	58	29	11	BDL	Clear sky / calm
25-12-2024	26-12-2024	65	33	11	BDL	Clear sky / calm
26-12-2024	27-12-2024	66	40	12	BDL	Clear sky / calm
NAAQS, 2009		100	60	80	80	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-12-24 TO 15-01-25

MINE WATER DISCHARGE: BBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-12-2024	7.67	26	36	BDL
22-12-2024	7.5	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

CHP: BBUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	67.7	65.2
DEC'24	24-12-2024	68.1	66.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY BALLARPUR UG: BBUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	43.2	41.6
DEC'24	24-12-2024	44.5	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/42	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

MANAGER OFFICE- BALLARPUR UG BBUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
08-12-2024	09-12-2024	265	159	54	21	14
22-12-2024	23-12-2024	276	187	59	23	15
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
08-12-2024	09-12-2024	238	143	51	15	10
22-12-2024	23-12-2024	210	122	45	19	11
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
08-12-2024	09-12-2024	266	176	50	18	11
22-12-2024	23-12-2024	297	192	59	22	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

FILTER PLANT COLONY BBUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-12-2024	05-12-2024	80	43	15	BDL	Clear sky / calm
05-12-2024	06-12-2024	84	38	13	BDL	Clear sky / calm
11-12-2024	12-12-2024	76	34	10	BDL	Clear sky / calm
12-12-2024	13-12-2024	70	30	12	BDL	Clear sky / calm
18-12-2024	19-12-2024	76	28	14	BDL	Clear sky / calm
19-12-2024	20-12-2024	58	29	11	BDL	Clear sky / calm
25-12-2024	26-12-2024	65	33	11	BDL	Clear sky / calm
26-12-2024	27-12-2024	66	40	12	BDL	Clear sky / 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 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: BBUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-12-2024	7.89	24	40	BDL
22-12-2024	8.12	32	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

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

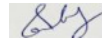
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: BBUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	69.1	68.2
DEC'24	24-12-2024	70.1	68.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: BBUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	43.2	41.6
DEC'24	24-12-2024	44.5	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/43	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
09-12-2024	10-12-2024	299	199	63	24	13	clear sky / calm
23-12-2024	24-12-2024	268	177	55	19	11	clear sky / 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	
04-12-2024	05-12-2024	61	31	11	BDL	clear sky / calm
05-12-2024	06-12-2024	72	30	12	BDL	clear sky / calm
11-12-2024	12-12-2024	66	33	13	BDL	clear sky / calm
12-12-2024	13-12-2024	69	40	12	BDL	clear sky / calm
18-12-2024	19-12-2024	77	33	10	BDL	clear sky / calm
19-12-2024	20-12-2024	70	30	9	BDL	clear sky / calm
25-12-2024	26-12-2024	65	28	8	BDL	clear sky / calm
26-12-2024	27-12-2024	60	22	12	BDL	clear sky / calm
NAAQS, 2009		100	60	80	80	

GOYEGAON VILLAGE			BGDO3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No _x	So _x	
FROM	TO	5	2	6	10	
04-12-2024	05-12-2024	58	26	14	BDL	clear sky / calm
05-12-2024	06-12-2024	72	36	12	BDL	clear sky / calm
11-12-2024	12-12-2024	66	30	10	BDL	clear sky / calm
12-12-2024	13-12-2024	64	33	9	BDL	clear sky / calm
18-12-2024	19-12-2024	59	25	11	BDL	clear sky / calm
19-12-2024	20-12-2024	64	28	9	BDL	clear sky / calm
25-12-2024	26-12-2024	48	18	12	BDL	clear sky / calm
26-12-2024	27-12-2024	56	22	13	BDL	clear sky / calm
NAAQS, 2009		100	60	80	80	

RAILWAY SIDDING			BGDO4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
FROM	TO	5	5	2	6	10	
09-12-2024	10-12-2024	321	232	65	25	15	clear sky / calm
23-12-2024	24-12-2024	298	198	58	20	14	clear sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-12-24 TO 15-01-25

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
13-12-2024	8.02	18	24	BDL
24-12-2024	7.97	18	28	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
13-12-2024	8.3	20	28	BDL
24-12-2024	8.14	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	52.4	49.3
DEC'24	24-12-2024	51.1	49.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MUTHRA VILLAGE :		BGON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	43.3	42.6
DEC'24	24-12-2024	44.1	41.9
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



DECEMBER 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/DEC-24/45	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25	

SAM OFFICE- DHOPTALA SUB AREA BND0A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03-12-2024	04-12-2024	263	159	45	16	10	clear sky / calm
17-12-2024	18-12-2024	289	176	59	19	12	clear sky / 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03-12-2024	04-12-2024	280	167	45	19	10	clear sky / calm
17-12-2024	18-12-2024	312	206	53	24	14	clear sky / 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)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
06-12-2024	07-12-2024	83	42	15	BDL	clear sky / calm	
07-12-2024	08-12-2024	81	28	11	BDL	clear sky / calm	
13-12-2024	14-12-2024	76	43	12	BDL	clear sky / calm	
14-12-2024	15-12-2024	70	32	12	BDL	clear sky / calm	
20-12-2024	21-12-2024	78	40	14	BDL	clear sky / calm	
21-12-2024	22-12-2024	87	32	12	BDL	clear sky / calm	
27-12-2024	28-12-2024	65	26	13	BDL	clear sky / calm	
28-12-2024	29-12-2024	88	39	9	BDL	clear sky / 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		
04-12-2024	05-12-2024	61	31	11	BDL	clear sky / calm	
05-12-2024	06-12-2024	72	30	12	BDL	clear sky / calm	
11-12-2024	12-12-2024	66	33	13	BDL	clear sky / calm	
12-12-2024	13-12-2024	69	40	12	BDL	clear sky / calm	
18-12-2024	19-12-2024	77	33	10	BDL	clear sky / calm	
19-12-2024	20-12-2024	70	30	9	BDL	clear sky / calm	
25-12-2024	26-12-2024	65	28	8	BDL	clear sky / calm	
26-12-2024	27-12-2024	60	22	12	BDL	clear sky / calm	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-24 TO 15-01-25

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
04-12-2024	7.98	18	28	BDL
18-12-2024	8.04	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

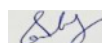
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP: BNDON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	68.8	65.9
DEC'24	24-12-2024	69.1	67.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY: BSUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	45.1	43.3
DEC'24	24-12-2024	44.4	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PAUNI II OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/47	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

MINE OFFICE BP20A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
10-12-2024	11-12-2024	286	180	60	24	13	clear sky / calm
23-12-2024	24-12-2024	275	169	55	18	11	clear sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION BP20A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
10-12-2024	11-12-2024	255	167	48	18	BDL	clear sky / calm
23-12-2024	24-12-2024	240	154	43	16	BDL	clear sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAKHARI VILLAGE BP20A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
06-12-2024	07-12-2024	69	34	8	BDL		clear sky / calm
07-12-2024	08-12-2024	79	32	12	BDL		clear sky / calm
13-12-2024	14-12-2024	65	26	8	BDL		clear sky / calm
14-12-2024	15-12-2024	72	28	9	BDL		clear sky / calm
20-12-2024	21-12-2024	54	32	10	BDL		clear sky / calm
21-12-2024	22-12-2024	60	31	11	BDL		clear sky / calm
27-12-2024	28-12-2024	66	39	12	BDL		clear sky / calm
28-12-2024	29-12-2024	60	29	11	BDL		clear sky / calm
NAAQS, 2009		100	60	80	80		

WORKSHOP PAUNI OC BPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
10-12-2024	11-12-2024	256	154	44	16	11	clear sky / calm
23-12-2024	24-12-2024	285	178	56	18	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
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-12-24 TO 15-01-25

MINE WATER DISCHARGE: BP2OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-12-2024	7.86	22	32	BDL
23-12-2024	7.47	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25-09- 2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BP2OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-12-2024	8.26	24	36	BDL
23-12-2024	7.68	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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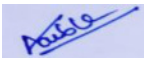
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: BPON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	53.2	50.4
DEC'24	24-12-2024	52.2	51.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SAKHARI VILLAGE : BPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	43.8	42.1
DEC'24	24-12-2024	44.1	42.9
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



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/48	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25	

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03-12-2024	04-12-2024	277	177	56	24	13	clear sky / calm
17-12-2024	18-12-2024	237	145	43	18	11	clear sky / 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03-12-2024	04-12-2024	255	154	47	19	10	clear sky / calm
17-12-2024	18-12-2024	267	165	50	16	10	clear sky / 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		
06-12-2024	07-12-2024	81	43	14	BDL	clear sky / calm	
07-12-2024	08-12-2024	70	30	11	BDL	clear sky / calm	
13-12-2024	14-12-2024	76	39	12	BDL	clear sky / calm	
14-12-2024	15-12-2024	62	32	11	BDL	clear sky / calm	
20-12-2024	21-12-2024	77	34	10	BDL	clear sky / calm	
21-12-2024	22-12-2024	89	38	13	BDL	clear sky / calm	
27-12-2024	28-12-2024	72	29	11	BDL	clear sky / calm	
28-12-2024	29-12-2024	66	26	12	BDL	clear sky / 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)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
06-12-2024	07-12-2024	56	32	8	BDL	clear sky / calm	
07-12-2024	08-12-2024	70	29	9	BDL	clear sky / calm	
13-12-2024	14-12-2024	66	43	11	BDL	clear sky / calm	
14-12-2024	15-12-2024	61	32	12	BDL	clear sky / calm	
20-12-2024	21-12-2024	72	36	14	BDL	clear sky / calm	
21-12-2024	22-12-2024	58	25	12	BDL	clear sky / calm	
27-12-2024	28-12-2024	58	22	13	BDL	clear sky / calm	
28-12-2024	29-12-2024	66	28	12	BDL	clear sky / calm	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-12-24 TO 15-01-25

MINE WATER DISCHARGE:		BSOW1		
DATE OF SAMPLE	ANALYSIS RESULTS			
COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-12-2024	7.77	22	36	BDL
17-12-2024	7.78	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE:		BSOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-12-2024	7.65	24	32	BDL
17-12-2024	7.52	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED:		BSOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
03-12-2024	24	10.8	
17-12-2024	32	12.6	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30	



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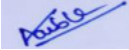
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

CHP:		BSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	09-12-2024	67.7	65.9
DEC'24	24-12-2024	68.4	67.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		75	70

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	09-12-2024	44.3	42.9
DEC'24	24-12-2024	45.1	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		55	45



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

SASTI UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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/DEC-24/49		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-12-24 TO 15-01-25	

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	
03-12-2024	04-12-2024	263	159	45	16	10	clear sky / calm
17-12-2024	18-12-2024	289	176	59	19	12	clear sky / 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	
03-12-2024	04-12-2024	280	167	45	19	10	clear sky / calm
17-12-2024	18-12-2024	312	206	53	24	14	clear sky / 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	
06-12-2024	07-12-2024	83	42	15	BDL	clear sky / calm
07-12-2024	08-12-2024	81	28	11	BDL	clear sky / calm
13-12-2024	14-12-2024	76	43	12	BDL	clear sky / calm
14-12-2024	15-12-2024	70	32	12	BDL	clear sky / calm
20-12-2024	21-12-2024	78	40	14	BDL	clear sky / calm
21-12-2024	22-12-2024	87	32	12	BDL	clear sky / calm
27-12-2024	28-12-2024	65	26	13	BDL	clear sky / calm
28-12-2024	29-12-2024	88	39	9	BDL	clear sky / 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	
06-12-2024	07-12-2024	56	32	8	BDL	clear sky / calm
07-12-2024	08-12-2024	70	29	9	BDL	clear sky / calm
13-12-2024	14-12-2024	66	43	11	BDL	clear sky / calm
14-12-2024	15-12-2024	61	32	12	BDL	clear sky / calm
20-12-2024	21-12-2024	72	36	14	BDL	clear sky / calm
21-12-2024	22-12-2024	58	25	12	BDL	clear sky / calm
27-12-2024	28-12-2024	58	22	13	BDL	clear sky / calm
28-12-2024	29-12-2024	66	28	12	BDL	clear sky / calm
NAAQS, 2009		100	60	80	80	



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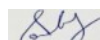
NOISE LEVEL MONITORING DATA

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

SASTI COLONY: BSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	09-12-2024	43.7	42.1
DEC'24	24-12-2024	44.1	42.5
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



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/31	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM ₁₀ : IS 5182 Part 23:2006(RA 2017), PM _{2.5} : USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ : IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/12/24 TO 15/01/25

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	
		5	5	2	6	10	
08-12-2024	09-12-2024	518	222	59	51.5	29	Clear Sky/calm
25-12-2024	26-12-2024	482	249	52	43	32	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 th September 2000		600	300	-	120	120	

BHATADI MANAGER OFFICE CBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
08-12-2024	09-12-2024	492	229	49	40	29	Clear Sky/calm
25-12-2024	26-12-2024	458	210	57	42	33	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 th September 2000		600	300	-	120	120	

BHATADI VILLAGE CBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
06-12-2024	07-12-2024	87	22	29	23	Clear Sky/calm	
07-12-2024	08-12-2024	93	35	25	18	Clear Sky/calm	
13-12-2024	14-12-2024	98	30	31	21	Clear Sky/calm	
14-12-2024	15-12-2024	92	36	29	19	Clear Sky/calm	
21-12-2024	22-12-2024	90	29	36	17	Clear Sky/calm	
22-12-2024	23-12-2024	83	32	27	20	Clear Sky/calm	
27-12-2024	28-12-2024	91	31	33	24	Clear Sky/calm	
28-12-2024	29-12-2024	80	33	34	22	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		

VADHOLI VILLAGE CBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
06-12-2024	07-12-2024	92	29	27	22	Clear Sky/calm	
07-12-2024	08-12-2024	85	30	35	24	Clear Sky/calm	
13-12-2024	14-12-2024	90	35	30	20	Clear Sky/calm	
14-12-2024	15-12-2024	83	27	39	23	Clear Sky/calm	
21-12-2024	22-12-2024	93	34	35	29	Clear Sky/calm	
22-12-2024	23-12-2024	89	29	29	24	Clear Sky/calm	
27-12-2024	28-12-2024	94	36	31	21	Clear Sky/calm	
28-12-2024	29-12-2024	91	32	28	18	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		

BHATADI COLONY CBOA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
06-12-2024	07-12-2024	93	32	29	23	Clear Sky/calm	
07-12-2024	08-12-2024	97	35	32	20	Clear Sky/calm	
13-12-2024	14-12-2024	90	29	26	24	Clear Sky/calm	
14-12-2024	15-12-2024	95	38	25	27	Clear Sky/calm	
21-12-2024	22-12-2024	82	30	28	25	Clear Sky/calm	
22-12-2024	23-12-2024	96	34	37	21	Clear Sky/calm	
27-12-2024	28-12-2024	91	31	30	19	Clear Sky/calm	
28-12-2024	29-12-2024	84	28	24	22	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report	
SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/12/24 TO 15/01/25

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
08.12.2024	7.59	29	36	BDL
25.12.2024	7.43	25	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
08.12.2024	7.72	27	28	BDL
25.12.2024	7.83	21	36	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
08.12.2024	23	8.4
25.12.2024	18	7.2
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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

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

CHP: CBON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	68.2	67.4
DEC'24	26-12-2024	66.4	65.7
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
DEC'24	09-12-2024	43.2	42.6
DEC'24	26-12-2024	44.3	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/32	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/12/24 TO 15/01/25

MANAGER OFFICE MAHAKALI UG CMKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-12-2024	11-12-2024	420	196	43	36	24	Clear Sky/calm
27-12-2024	28-12-2024	458	212	46	42	33	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-12-2024	07-12-2024	467	215	51	44	34	Clear Sky/calm
23-12-2024	24-12-2024	439	197	46	31	29	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-12-2024	06-12-2024	418	194	45	33	21	Clear Sky/calm
22-12-2024	23-12-2024	448	208	49	27	23	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMKUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-12-2024	06-12-2024	94	35	29	22	Clear Sky/calm
22-12-2024	23-12-2024	85	25	25	16	Clear Sky/calm
NAAQS, 2009		100	60	80	80	



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

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

CHP		CCRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	09-12-2024	65.3	64.5
DEC'24	26-12-2024	62.2	61.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MKC)		CCRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	09-12-2024	42.2	41.5
DEC'24	26-12-2024	42.1	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/33	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/12/24 TO 15/01/25

PIT OFFICE-DRC- III UG				CDRUA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-12-2024	07-12-2024	458	221	50	38	24	Clear Sky/calm
23-12-2024	24-12-2024	431	190	40	29	20	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE DRC-IV				CDRUA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-12-2024	07-12-2024	418	201	41	34	27	Clear Sky/calm
23-12-2024	24-12-2024	454	215	53	31	25	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DRC- V COLONY			CDRUA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-12-2024	06-12-2024	92	34	34	24	Clear Sky/calm
22-12-2024	23-12-2024	85	27	28	16	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

NEHRU NAGAR				CDRUA4		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-12-2024	06-12-2024	94	27	35	28	Clear Sky/calm
22-12-2024	23-12-2024	88	33	27	20	Clear Sky/calm
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7192
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/12/24 TO 15/01/25

MINE WATER DISCHARGE:		CDRUW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.12.2024	7.45	29	36	BDL
23.12.2024	7.63	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25- 09-2000	5.5 - 9.0	100	250	10



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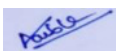
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

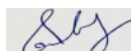
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: CDRUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	69.4	68.7
DEC'24	26-12-2025	63.4	62.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY: CDRUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	43.2	42.4
DEC'24	26-12-2025	43.3	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

DURGAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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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	
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TEST REPORT NO.	RIN/TR/DEC-24/34	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/12/24 TO 15/01/25

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
06-12-2024	07-12-2024	5	5	2	6	10
23-12-2024	24-12-2024	451	208	53	46	25
23-12-2024	24-12-2024	481	228	50	51	30
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)
06-12-2024	07-12-2024	5	2	6	10	Clear Sky/calm
07-12-2024	08-12-2024	94	36	35	22	Clear Sky/calm
13-12-2024	14-12-2024	89	31	27	24	Clear Sky/calm
14-12-2024	15-12-2024	85	33	36	18	Clear Sky/calm
21-12-2024	22-12-2024	92	28	32	25	Clear Sky/calm
22-12-2024	23-12-2024	94	32	29	19	Clear Sky/calm
27-12-2024	28-12-2024	87	29	25	23	Clear Sky/calm
28-12-2024	29-12-2024	90	27	35	21	Clear Sky/calm
28-12-2024	29-12-2024	95	30	28	20	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

MANAGER OFFICE Q-IV CDOA3 (Durgapur OC)						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
07-12-2024	08-12-2024	5	5	2	6	10
24-12-2024	25-12-2024	443	220	55	42	31
24-12-2024	25-12-2024	478	203	50	52	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)
06-12-2024	07-12-2024	5	2	6	10	Clear Sky/calm
07-12-2024	08-12-2024	96	32	28	28	Clear Sky/calm
13-12-2024	14-12-2024	91	38	36	27	Clear Sky/calm
14-12-2024	15-12-2024	93	34	30	19	Clear Sky/calm
21-12-2024	22-12-2024	99	29	32	24	Clear Sky/calm
22-12-2024	23-12-2024	90	40	36	26	Clear Sky/calm
27-12-2024	28-12-2024	88	30	29	20	Clear Sky/calm
28-12-2024	29-12-2024	98	39	34	29	Clear Sky/calm
28-12-2024	29-12-2024	92	36	35	22	Clear Sky/calm
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/12/24 TO 15/01/25

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
07.12.2024	7.42	31	32	BDL
24.12.2024	7.51	39	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE Q-V CDOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.12.2024	3.24	48	56	BDL
24.12.2024	3.32	41	44	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
07.12.2024	7.81	20	24	BDL
24.12.2024	7.69	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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



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NOISE LEVEL MONITORING DATA

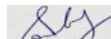
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP:		CDON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	09-12-2024	67.3	66.5
DEC'24	26-12-2024	68.3	66.6
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
		20	20
DEC'24	09-12-2024	43.2	42.4
DEC'24	26-12-2024	43.3	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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HLP-I & III UG

CHANDRAPUR AREA

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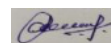
TEST REPORT NO.	RIN/TR/DEC-24/37	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/12/24 TO 15/01/25

SUBSTATION HLC I UG CHUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-12-2024	11-12-2024	440	198	49	42	29	Clear Sky/calm
27-12-2024	28-12-2024	463	215	51	31	24	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE - HLC-I INCLINE CHUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-12-2024	11-12-2024	463	198	45	36	25	Clear Sky/calm
27-12-2024	28-12-2024	475	219	55	41	31	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HLC-III COLONY CHUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
09-12-2024	10-12-2024	85	29	28	20	Clear Sky/calm	
26-12-2024	27-12-2024	88	26	24	18	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		

RAJIV GANDHI ENGG. COLLEGE CHUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				Rainy/Windy	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
09-12-2024	10-12-2024	87	25	29	20	Clear Sky/calm	
26-12-2024	27-12-2024	93	34	37	27	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		



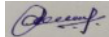
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/12/24 TO 15/01/25

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
10.12.2024	7.59	35	44	BDL
27.12.2024	7.42	31	36	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
10.12.2024	7.38	28	36	BDL
27.12.2024	7.29	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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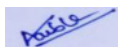
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE-I:		CHUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	69.3	68.6
DEC'24	26-12-2024	68.4	65.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		CHUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	44.3	43.6
DEC'24	26-12-2024	43.2	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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HLP OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

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DECEMBER 2024

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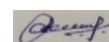
TEST REPORT NO.	RIN/TR/DEC-24/35	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/12/24 TO 15/01/25

MANAGER OFFICE (NANDGAON UG) CNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-12-2024	12-12-2024	456	185	41	37	27	Clear Sky/calm
28-12-2024	29-12-2024	481	210	53	32	26	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE(HLP OC) CHOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-12-2024	12-12-2024	510	234	58	43	28	Clear Sky/calm
28-12-2024	29-12-2024	488	221	50	40	25	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE CMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-12-2024	10-12-2024	90	33	31	22	Clear Sky/calm	
26-12-2024	27-12-2024	82	25	25	20	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		

COLONY (NANDGAON) CNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-12-2024	07-12-2024	92	31	32	23	Clear Sky/calm	
07-12-2024	08-12-2024	85	26	32	19	Clear Sky/calm	
13-12-2024	14-12-2024	91	34	28	24	Clear Sky/calm	
14-12-2024	15-12-2024	82	31	27	22	Clear Sky/calm	
21-12-2024	22-12-2024	90	32	30	20	Clear Sky/calm	
22-12-2024	23-12-2024	87	25	27	21	Clear Sky/calm	
27-12-2024	28-12-2024	93	29	38	25	Clear Sky/calm	
28-12-2024	29-12-2024	83	24	26	21	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/12/24 TO 15/01/25

MINE WATER DISCHARGE: CHOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.12.2024	3.36	45	52	BDL
28.12.2024	3.11	40	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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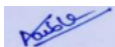
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	67.4	65.7
DEC'24	26-12-2025	65.3	64.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	44.2	41.5
DEC'24	26-12-2025	44.3	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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JOB NO. 4094423068



DECEMBER 2024

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

AN ISO 9001:2015 COMPANY

**Environment Laboratory
CMPDI RI-IV, NAGPUR**
Test Report


TC-7102

TEST REPORT NO.	RIN/TR/DEC-24/35	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/12/24 TO 15/01/25

MANAGER OFFICE (NANDGAON UG) CNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-12-2024	12-12-2024	456	185	41	37	27	Clear Sky/calm
28-12-2024	29-12-2024	481	210	53	32	26	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE(HLP OC) CHOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-12-2024	12-12-2024	510	234	58	43	28	Clear Sky/calm
28-12-2024	29-12-2024	488	221	50	40	25	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE CMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-12-2024	10-12-2024	90	33	31	22	Clear Sky/calm	
26-12-2024	27-12-2024	82	25	25	20	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		

COLONY (NANDGAON) CNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-12-2024	07-12-2024	92	31	32	23	Clear Sky/calm	
07-12-2024	08-12-2024	85	26	32	19	Clear Sky/calm	
13-12-2024	14-12-2024	91	34	28	24	Clear Sky/calm	
14-12-2024	15-12-2024	82	31	27	22	Clear Sky/calm	
21-12-2024	22-12-2024	90	32	30	20	Clear Sky/calm	
22-12-2024	23-12-2024	87	25	27	21	Clear Sky/calm	
27-12-2024	28-12-2024	93	29	38	25	Clear Sky/calm	
28-12-2024	29-12-2024	83	24	26	21	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/12/24 TO 15/01/25

MINE WATER DISCHARGE: CHOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.12.2024	3.36	45	52	BDL
28.12.2024	3.11	40	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	67.4	65.7
DEC'24	26-12-2025	65.3	64.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	44.2	41.5
DEC'24	26-12-2025	44.3	43.6
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



DECEMBER 2024

Environment Laboratory
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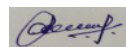
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/DEC-24/37		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47 16/12/24 TO 15/01/25	

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	
10-12-2024	11-12-2024	420	196	43	36	24	Clear Sky/calm
27-12-2024	28-12-2024	458	212	46	42	33	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-12-2024	07-12-2024	467	215	51	44	34	Clear Sky/calm
23-12-2024	24-12-2024	439	197	46	31	29	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3(C.R.C-U/G)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-12-2024	06-12-2024	418	194	45	33	21	Clear Sky/calm
22-12-2024	23-12-2024	448	208	49	27	23	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

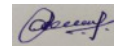
COLONY (MAHAKALI UG) CMKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-12-2024	06-12-2024	94	35	29	22	Clear Sky/calm	
22-12-2024	23-12-2024	85	25	25	16	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :		16/12/24 TO 15/01/25	

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
16.12.2024	7.69	31	36	BDL
23.12.2024	7.35	36	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
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
DEC'24	09-12-2024	68.3	67.6
DEC'24	26-12-2024	69.8	67.5
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
DEC'24	09-12-2024	42.2	41.5
DEC'24	26-12-2024	42.1	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



DECEMBER 2024

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**Environment Laboratory
CMPDI RI-IV, NAGPUR**
Test Report


TC-7102

TEST REPORT NO.	RIN/TR/DEC-24/38	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/12/24 TO 15/01/25

MANAGER OFFICE CMUA1						
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
10-12-2024	11-12-2024	438	196	40	39	22
27-12-2024	28-12-2024	450	218	46	34	28
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
11-12-2024	12-12-2024	467	225	54	38	26
28-12-2024	29-12-2024	434	204	47	44	33
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	
06-12-2024	07-12-2024	92	31	32	23	Clear Sky/calm
07-12-2024	08-12-2024	85	26	32	19	Clear Sky/calm
13-12-2024	14-12-2024	91	34	28	24	Clear Sky/calm
14-12-2024	15-12-2024	82	31	27	22	Clear Sky/calm
21-12-2024	22-12-2024	90	32	30	20	Clear Sky/calm
22-12-2024	23-12-2024	87	25	27	21	Clear Sky/calm
27-12-2024	28-12-2024	93	29	38	25	Clear Sky/calm
28-12-2024	29-12-2024	83	24	26	21	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

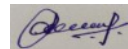
MANA VILLAGE CMUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-12-2024	10-12-2024	90	33	31	22	Clear Sky/calm
26-12-2024	27-12-2024	82	25	25	20	Clear Sky/calm
		100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/12/24 TO 15/01/25

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
19.12.2024	7.46	31	36	BDL
26.12.2024	7.32	25	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

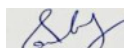
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: CMUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	56.2	55.4
DEC'24	26-12-2024	60.2	58.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(HLP OC): CHON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	44.2	41.5
DEC'24	26-12-2024	44.3	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NANDGAON UG

CHANDRAPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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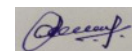
TEST REPORT NO.	RIN/TR/DEC-24/39	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/12/24 TO 15/01/25

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	
11-12-2024	12-12-2024	456	185	41	37	27	Clear Sky/calm
28-12-2024	29-12-2024	481	210	53	32	26	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE				CMUA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-12-2024	12-12-2024	467	225	54	38	26	Clear Sky/calm
28-12-2024	29-12-2024	434	204	47	44	33	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE			CMUA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
09-12-2024	10-12-2024	90	33	31	22	Clear Sky/calm
26-12-2024	27-12-2024	82	25	25	20	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

COLONY (NANDGAON)			CNUA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06-12-2024	07-12-2024	92	31	32	23	Clear Sky/calm
07-12-2024	08-12-2024	85	26	32	19	Clear Sky/calm
13-12-2024	14-12-2024	91	34	28	24	Clear Sky/calm
14-12-2024	15-12-2024	82	31	27	22	Clear Sky/calm
21-12-2024	22-12-2024	90	32	30	20	Clear Sky/calm
22-12-2024	23-12-2024	87	25	27	21	Clear Sky/calm
27-12-2024	28-12-2024	93	29	38	25	Clear Sky/calm
28-12-2024	29-12-2024	83	24	26	21	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

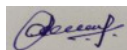


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/12/24 TO 15/01/25

MINE WATER DISCHARGE: CNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.12.2024	7.71	24	28	BDL
28.12.2024	7.64	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	
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NOISE LEVEL MONITORING DATA

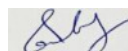
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	66.4	65.7
DEC'24	26-12-2024	64.4	63.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP OC:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	44.2	41.5
DEC'24	26-12-2024	44.3	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PADMAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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	
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TEST REPORT NO.	RIN/TR/DEC-24/40	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/12/24 TO 15/01/25

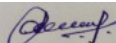
MANAGER OFFICE Q-IV CPOA1 (Padmapur)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-12-2024	08-12-2024	462	211	48	37	20	Clear Sky/calm
24-12-2024	25-12-2024	495	241	55	45	29	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE Q-IV CDOA3 (Durgapur OC)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-12-2024	08-12-2024	443	220	55	42	31	Clear Sky/calm
24-12-2024	25-12-2024	478	203	50	51	22	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

WARWAT VILLAGE CPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-12-2024	09-12-2024	92	25	26	19		Clear Sky/calm
25-12-2024	26-12-2024	87	31	31	15		Clear Sky/calm
		100	60	80	80		

KITADI VILLAGE CPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
07-12-2024	08-12-2024	89	28	27	20		Clear Sky/calm
24-12-2024	25-12-2024	93	30	24	17		Clear Sky/calm
		100	60	80	80		

VICHODA RAYATWARI VILLAGE CPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
07-12-2024	08-12-2024	87	36	36	27		Clear Sky/calm
24-12-2024	25-12-2024	90	32	31	24		Clear Sky/calm
		100	60	80	80		



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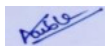
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

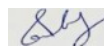
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP:		CPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	66.2	65.5
DEC'24	26-12-2024	68.3	65.9
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
DEC'24	09-12-2024	43.2	42.4
DEC'24	26-12-2024	43.3	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI-II(A) OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/51	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
09-12-2024	10-12-2024	410	234	82	25	18	CLEAR SKY/CALM
23-12-2024	24-12-2024	400	220	76	24	19	CLEAR SKY/CALM
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	
09-12-2024	10-12-2024	410	206	67	18	14	CLEAR SKY/CALM
23-12-2024	24-12-2024	386	180	57	20	16	CLEAR SKY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PRIMARY HEALTH CENTRE, MAJRI BASTI MMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-12-2024	04-12-2024	78	61	20	16	CLEAR SKY /LIGHT BREEZE	
04-12-2024	05-12-2024	70	56	18	14	CLEAR SKY /MODERATE BREEZE	
10-12-2024	11-12-2024	64	57	18	13	CLEAR SKY/LIGHT BREEZE	
11-12-2024	12-12-2024	79	60	21	16	CLEAR SKY /MODERATE BREEZE	
17-12-2024	18-12-2024	70	56	18	14	CLEAR SKY /LIGHT BREEZE	
18-12-2024	19-12-2024	75	52	14	12	CLEAR SKY /MODERATE BREEZE	
24-12-2024	25-12-2024	79	56	18	14	CLEAR SKY/LIGHT BREEZE	
25-12-2024	26-12-2024	80	59	19	16	CLEAR SKY /MODERATE BREEZE	
NAAQS, 2009		100	60	80	80		

KUCHANA COLONY MMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-12-2024	04-12-2024	78	58	16	14	CLEAR SKY /LIGHT BREEZE	
04-12-2024	05-12-2024	68	55	18	13	CLEAR SKY /MODERATE BREEZE	
10-12-2024	11-12-2024	80	52	15	12	CLEAR SKY/LIGHT BREEZE	
11-12-2024	12-12-2024	76	58	16	13	CLEAR SKY /MODERATE BREEZE	
17-12-2024	18-12-2024	70	55	17	14	CLEAR SKY /LIGHT BREEZE	
18-12-2024	19-12-2024	77	62	18	14	CLEAR SKY /MODERATE BREEZE	
24-12-2024	25-12-2024	68	60	16	13	CLEAR SKY/LIGHT BREEZE	
25-12-2024	26-12-2024	65	55	14	12	CLEAR SKY /MODERATE BREEZE	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
14-12-2024	7.44	32	40	BDL
27-12-2024	7.56	46	32	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
14-12-2024	7.68	40	36	BDL
27-12-2024	7.52	38	56	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
14-12-2024	30	12.6
27-12-2024	52	14.4
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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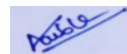
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

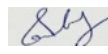
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

FIELD MAIN SHED:		MMON1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	07-12-2024	58.4	55.5
DEC'24	26-12-2024	57.7	55.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PRIMARY HEALTH CENTER MAJRI BASTI		MMON3	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	07-12-2024	43.2	41.0
DEC'24	26-12-2024	43.4	41.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/50	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSPQ 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

PATALLA MAGAZINE MMUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
09-12-2024	10-12-2024	402	198	68	22	18
23-12-2024	24-12-2024	380	175	58	18	14
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
09-12-2024	10-12-2024	416	220	66	20	16
23-12-2024	24-12-2024	394	188	60	18	13
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
09-12-2024	10-12-2024	410	206	67	18	14
23-12-2024	24-12-2024	386	180	57	20	16
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-12-2024	04-12-2024	78	54	21	16	CLEAR SKY /LIGHT BREEZE
04-12-2024	05-12-2024	76	64	16	14	CLEAR SKY /MODERATE BREEZE
10-12-2024	11-12-2024	80	56	16	12	CLEAR SKY/LIGHT BREEZE
11-12-2024	12-12-2024	74	59	14	12	CLEAR SKY /MODERATE BREEZE
17-12-2024	18-12-2024	76	59	18	14	CLEAR SKY /LIGHT BREEZE
18-12-2024	19-12-2024	72	60	18	13	CLEAR SKY /MODERATE BREEZE
24-12-2024	25-12-2024	74	62	16	14	CLEAR SKY/LIGHT BREEZE
25-12-2024	26-12-2024	78	58	16	13	CLEAR SKY /MODERATE BREEZE
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
14-12-2024	7.52	28	52	BDL
27-12-2024	7.63	32	48	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
14-12-2024	7.87	28	60	BDL
27-12-2024	7.60	30	44	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
14-12-2024	28	10.8
27-12-2024	42	13.2
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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE:		MMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	07-12-2024	54.5	52.1
DEC'24	26-12-2024	54.6	51.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

KUCHNA COLONY		MMON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	07-12-2024	44.2	41.5
DEC'24	26-12-2024	43.6	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

YEKONA I & II OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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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/DEC-24/52	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25	

PIT OFFICE MYOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-12-2024	10-12-2024	425	230	78	22	18	CLEAR SKY/CALM
23-12-2024	24-12-2024	410	224	70	20	16	CLEAR SKY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300		120	120	

PENZURNI VILLAGE						MYOA2
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-12-2024	04-12-2024	74	56	14	12	CLEAR SKY /LIGHT BREEZE
04-12-2024	05-12-2024	78	57	18	14	CLEAR SKY /MODERATE BREEZE
10-12-2024	11-12-2024	70	60	22	16	CLEAR SKY/LIGHT BREEZE
11-12-2024	12-12-2024	68	60	18	13	CLEAR SKY /MODERATE BREEZE
17-12-2024	18-12-2024	70	58	16	14	CLEAR SKY /LIGHT BREEZE
18-12-2024	19-12-2024	73	60	18	14	CLEAR SKY /MODERATE BREEZE
24-12-2024	25-12-2024	78	62	20	16	CLEAR SKY/LIGHT BREEZE
25-12-2024	26-12-2024	70	56	15	12	CLEAR SKY /MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

DANDGAON VILLAGE MYOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-12-2024	04-12-2024	75	61	16	14	CLEAR SKY /LIGHT BREEZE
04-12-2024	05-12-2024	82	62	17	14	CLEAR SKY /MODERATE BREEZE
10-12-2024	11-12-2024	75	58	20	15	CLEAR SKY/LIGHT BREEZE
11-12-2024	12-12-2024	76	56	16	14	CLEAR SKY /MODERATE BREEZE
17-12-2024	18-12-2024	71	60	19	16	CLEAR SKY /LIGHT BREEZE
18-12-2024	19-12-2024	80	58	16	14	CLEAR SKY /MODERATE BREEZE
24-12-2024	25-12-2024	72	60	15	14	CLEAR SKY/LIGHT BREEZE
25-12-2024	26-12-2024	70	56	14	12	CLEAR SKY /MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

HIWRA MAJRA VILLAGE MYOA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-12-2024	04-12-2024	74	57	16	12	CLEAR SKY /LIGHT BREEZE
04-12-2024	05-12-2024	78	62	22	17	CLEAR SKY /MODERATE BREEZE
10-12-2024	11-12-2024	72	60	20	16	CLEAR SKY/LIGHT BREEZE
11-12-2024	12-12-2024	70	56	20	15	CLEAR SKY /MODERATE BREEZE
17-12-2024	18-12-2024	71	58	18	14	CLEAR SKY /LIGHT BREEZE
18-12-2024	19-12-2024	76	60	18	15	CLEAR SKY /MODERATE BREEZE
24-12-2024	25-12-2024	68	60	16	14	CLEAR SKY/LIGHT BREEZE
25-12-2024	26-12-2024	74	62	20	16	CLEAR SKY /MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

CONTRACTOR CAMP MYOA6						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
02-12-2024	03-12-2024	432	236	84	26	22
16-12-2024	17-12-2024	424	230	78	24	18
		600	300		120	120



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
14-12-2024	7.80	36	56	BDL
28-12-2024	7.92	28	52	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
14-12-2024	7.82	32	60	BDL
28-12-2024	7.98	40	32	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
14-12-2024	7.85	30	48	BDL
28-12-2024	7.76	42	36	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
14-12-2024	36	11.4
28-12-2024	34	12.0
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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NOISE LEVEL MONITORING DATA

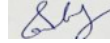
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE		MYON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	07-12-2024	55.4	53.2
DEC'24	26-12-2024	56.1	54.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

YEKONA VILLAGE		MYON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	07-12-2024	42.6	40.6
DEC'24	26-12-2024	44.3	42.4
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



DECEMBER 2024



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

AN ISO 9001:2015 COMPANY



Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/1	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
03-12-2024	04-12-2024	359	205	63	31	19	CLOUDY/LIGHTBREEZE
17-12-2024	18-12-2024	377	211	60	33	20	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DEcember 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE				NAUA2		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-12-2024	05-12-2024	81	40	29	BDL	CLOUDY/LIGHT BREEZE
05-12-2024	06-12-2024	83	45	27	BDL	CLOUDY/LIGHT BREEZE
11-12-2024	12-12-2024	94	41	30	BDL	CLEAR/LIGHT BREEZE
12-12-2024	13-12-2024	86	45	28	BDL	CLOUDY/LIGHT BREEZE
18-12-2024	19-12-2024	79	42	32	BDL	CLOUDY/LIGHT BREEZE
19-12-2024	20-12-2024	80	41	29	BDL	CLOUDY/LIGHT BREEZE
25-12-2024	26-12-2024	76	45	26	BDL	CLOUDY/LIGHT BREEZE
26-12-2024	27-12-2024	75	43	30	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

COLONY WATER FILTER PLANT NSNU3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀ 5	PM _{2.5} 2	NO ₂ 6	SO ₂ 10	
FROM	TO					
15-12-2024	16-12-2024	75	41	26	BDL	CLEAR/CALM
16-12-2024	17-12-2024	77	44	29	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

KOTODI VILLAGE			NSNU4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
15-12-2024	16-12-2024	80	43	28	BDL	CLEAR/CALM
16-12-2024	17-12-2024	78	45	30	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: NBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-12-2024	8.38	24	36	BDL
17-12-2024	7.98	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

MANAGER OFFICE: NAUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	53.5	51.3
DEC'24	26-12-2024	52.5	51.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

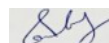
COLONY (SAONER): NSNUN4			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	43.5	41.3
DEC'24	26-12-2024	43.6	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

KOTODI VILLAGE: NAUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	42.8	41.4
DEC'24	26-12-2024	43.8	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

PATHAKAKHEDI GP OFFICE: NAUN3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	43.7	42.4
DEC'24	26-12-2024	43.7	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

Amalgamation of Kamptee Deep & Inder OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/DEC-24/4		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-12-24 TO 15-01-25	

NEAR PIT NO.6 / MANAGER OFFICE NIOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-12-2024	09-12-2024	378	207	59	38	21	CLOUDY/LIGHTBREEZE
22-12-2024	23-12-2024	391	213	61	43	22	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CMPDI TEKADI STORE NIOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-12-2024	10-12-2024	365	202	58	40	20	CLOUDY/LIGHTBREEZE
23-12-2024	24-12-2024	380	207	60	42	18	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-12-2024	09-12-2024	367	217	61	36	20	CLOUDY/LIGHTBREEZE
22-12-2024	23-12-2024	370	222	63	38	21	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

JUNI KAMTEE VILLAGE NKCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-12-2024	07-12-2024	74	39	27	BDL		CLOUDY/LIGHT BREEZE
07-12-2024	08-12-2024	62	40	29	BDL		CLOUDY/LIGHT BREEZE
13-12-2024	14-12-2024	76	42	26	BDL		CLEAR/LIGHT BREEZE
14-12-2024	15-12-2024	74	37	24	BDL		CLEAR/LIGHT BREEZE
20-12-2024	21-12-2024	78	41	29	BDL		CLOUDY/LIGHT BREEZE
21-12-2024	22-12-2024	67	42	26	BDL		CLOUDY/LIGHT BREEZE
27-12-2024	28-12-2024	80	44	28	BDL		CLOUDY/LIGHT BREEZE
28-12-2024	29-12-2024	82	39	26	BDL		CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

G.P. OFFICE KANDRI VILLAGE NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-12-2024	07-12-2024	88	40	25	BDL		CLOUDY/LIGHT BREEZE
07-12-2024	08-12-2024	99	42	28	BDL		CLOUDY/LIGHT BREEZE
13-12-2024	14-12-2024	65	38	24	BDL		CLEAR/LIGHT BREEZE
14-12-2024	15-12-2024	80	41	26	BDL		CLEAR/LIGHT BREEZE
20-12-2024	21-12-2024	82	42	27	BDL		CLOUDY/LIGHT BREEZE
21-12-2024	22-12-2024	79	44	30	BDL		CLOUDY/LIGHT BREEZE
27-12-2024	28-12-2024	75	40	26	BDL		CLOUDY/LIGHT BREEZE
28-12-2024	29-12-2024	85	43	28	BDL		CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

MINE DISCHARGE: NIOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-12-2024	7.41	34	52	BDL
20-12-2024	7.71	32	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: NIOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-12-2024	8.38	24	36	BDL
20-12-2024	8.04	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

RC OFFICE: NION1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	52.4	51.2
DEC'24	26-12-2024	53.6	51.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP NKCNI		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	66.6	65.4
DEC'24	26-12-2024	67.4	65.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY KAMTEE NKCNI		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	43.5	42.5
DEC'24	26-12-2024	43.3	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMTEE VILLAGE NKCNI		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	43.4	42.1
DEC'24	26-12-2024	43.6	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

BHANEGOAN OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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	
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TEST REPORT NO.	RIN/TR/DEC-24/2	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
09-12-2024	10-12-2024	356	202	61	35	20	CLOUDY/LIGHTBREEZE
23-12-2024	24-12-2024	385	207	64	37	21	CLOUDY/LIGHT BREEZE
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	
04-12-2024	05-12-2024	97	42	26	BDL	CLOUDY/LIGHT BREEZE
05-12-2024	06-12-2024	89	45	29	BDL	CLOUDY/LIGHT BREEZE
11-12-2024	12-12-2024	84	48	27	BDL	CLEAR/LIGHT BREEZE
12-12-2024	13-12-2024	85	46	25	BDL	CLOUDY/LIGHT BREEZE
18-12-2024	19-12-2024	88	43	28	BDL	CLOUDY/LIGHT BREEZE
19-12-2024	20-12-2024	81	41	30	BDL	CLOUDY/LIGHT BREEZE
25-12-2024	26-12-2024	90	46	26	BDL	CLOUDY/LIGHT BREEZE
26-12-2024	27-12-2024	78	44	29	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	
04-12-2024	05-12-2024	91	42	27	BDL	CLOUDY/LIGHT BREEZE
05-12-2024	06-12-2024	96	40	29	BDL	CLOUDY/LIGHT BREEZE
11-12-2024	12-12-2024	82	46	25	BDL	CLEAR/LIGHT BREEZE
12-12-2024	13-12-2024	80	41	28	BDL	CLOUDY/LIGHT BREEZE
18-12-2024	19-12-2024	84	43	29	BDL	CLOUDY/LIGHT BREEZE
19-12-2024	20-12-2024	87	45	27	BDL	CLOUDY/LIGHT BREEZE
25-12-2024	26-12-2024	90	39	30	BDL	CLOUDY/LIGHT BREEZE
26-12-2024	27-12-2024	93	44	28	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

DORLI VILLAGE NSOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-12-2024	05-12-2024	81	41	27	BDL	CLOUDY/LIGHT BREEZE
05-12-2024	06-12-2024	86	37	25	BDL	CLOUDY/LIGHT BREEZE
11-12-2024	12-12-2024	84	42	29	BDL	CLEAR/LIGHT BREEZE
12-12-2024	13-12-2024	78	36	26	BDL	CLOUDY/LIGHT BREEZE
18-12-2024	19-12-2024	73	37	29	BDL	CLOUDY/LIGHT BREEZE
19-12-2024	20-12-2024	80	40	27	BDL	CLOUDY/LIGHT BREEZE
25-12-2024	26-12-2024	77	36	31	BDL	CLOUDY/LIGHT BREEZE
26-12-2024	27-12-2024	83	41	28	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

A. Shrivastava

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
04-12-2024	7.67	24	36	BDL
18-12-2024	7.33	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

R. Bhargava

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

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

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12-12-2024	52.7	51.4
DEC'24	26-12-2024	53.6	51.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

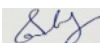
BINA VILLAGE		NBON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12-12-2024	43.9	41.5
DEC'24	26-12-2024	42.5	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DORLI VILLAGE		N3ON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12-12-2024	42.2	41.7
DEC'24	26-12-2024	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

SOHALI VILLAGE:		N3ON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12-12-2024	45.3	43.4
DEC'24	26-12-2024	43.8	42.7
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



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/5	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

DUMRI KHURD				NDRSA1			
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	
09-12-2024	10-12-2024	352	221	64	33	19	
23-12-2024	24-12-2024	381	215	60	35	20	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

NANDGAON VILLAGE NDRSA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06-12-2024	07-12-2024	75	43	29	BDL	CLOUDY/LIGHT BREEZE
07-12-2024	08-12-2024	90	41	27	BDL	CLOUDY/LIGHT BREEZE
13-12-2024	14-12-2024	78	45	30	BDL	CLEAR/LIGHT BREEZE
14-12-2024	15-12-2024	69	39	26	BDL	CLEAR/LIGHT BREEZE
20-12-2024	21-12-2024	84	45	31	BDL	CLOUDY/LIGHT BREEZE
21-12-2024	22-12-2024	79	43	29	BDL	CLOUDY/LIGHT BREEZE
27-12-2024	28-12-2024	81	47	33	BDL	CLOUDY/LIGHT BREEZE
28-12-2024	29-12-2024	77	41	28	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

KERDI VILLAGE NDRSA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06-12-2024	07-12-2024	76	40	28	BDL	CLOUDY/LIGHT BREEZE
07-12-2024	08-12-2024	62	35	24	BDL	CLOUDY/LIGHT BREEZE
13-12-2024	14-12-2024	72	42	30	BDL	CLEAR/LIGHT BREEZE
14-12-2024	15-12-2024	79	37	27	BDL	CLEAR/LIGHT BREEZE
20-12-2024	21-12-2024	81	42	26	BDL	CLOUDY/LIGHT BREEZE
21-12-2024	22-12-2024	78	37	30	BDL	CLOUDY/LIGHT BREEZE
27-12-2024	28-12-2024	80	44	29	BDL	CLOUDY/LIGHT BREEZE
28-12-2024	29-12-2024	84	39	32	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

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

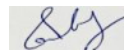
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

STATION MANAGER OFFICE		NKC1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12-12-2024	53.7	52.5
DEC'24	26-12-2024	53.4	52.3
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
DEC'24	12-12-2024	42.1	40.6
DEC'24	26-12-2024	42.5	41.4
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



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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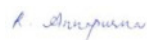
TEST REPORT NO.	RIN/TR/DEC-24/3	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

NEAR SUBSTATION / SAM OFFICE NGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
08-12-2024	09-12-2024	371	196	56	40	20	CLOUDY/LIGHTBREEZE
22-12-2024	23-12-2024	382	200	58	42	21	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

GONDEGAON VILLAGE SCHOOL				NGOA2		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
06-12-2024	07-12-2024	78	41	29	BDL	CLOUDY/LIGHT BREEZE
07-12-2024	08-12-2024	87	38	27	BDL	CLOUDY/LIGHT BREEZE
13-12-2024	14-12-2024	93	42	30	BDL	CLEAR/LIGHT BREEZE
14-12-2024	15-12-2024	95	40	26	BDL	CLEAR/LIGHT BREEZE
20-12-2024	21-12-2024	73	43	27	BDL	CLOUDY/LIGHT BREEZE
21-12-2024	22-12-2024	75	40	30	BDL	CLOUDY/LIGHT BREEZE
27-12-2024	28-12-2024	77	39	28	BDL	CLOUDY/LIGHT BREEZE
28-12-2024	29-12-2024	82	42	30	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

COLONY GUEST HOUSE/FILTER PLANT					NGOA3		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-12-2024	09-12-2024	362	200	57	42	21	CLOUDY/LIGHTBREEZE
22-12-2024	23-12-2024	378	195	59	45	22	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 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	
06-12-2024	07-12-2024	79	41	24	BDL	
07-12-2024	08-12-2024	92	38	28	BDL	
13-12-2024	14-12-2024	98	44	25	BDL	
14-12-2024	15-12-2024	90	39	27	BDL	
20-12-2024	21-12-2024	75	43	29	BDL	
21-12-2024	22-12-2024	83	40	30	BDL	
27-12-2024	28-12-2024	87	42	28	BDL	
28-12-2024	29-12-2024	82	44	30	BDL	
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
06-12-2024	7.44	20	28	BDL
20-12-2024	7.78	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE NGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-12-2024	8.33	20	32	BDL
20-12-2024	8.08	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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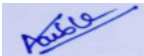
NOISE LEVEL MONITORING DATA

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

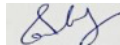
CHP		NGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12-12-2024	65.5	64.3
DEC'24	26-12-2024	65.6	63.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GONDEGAON VILLAGE/COLONY		NGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12-12-2024	42.6	40.1
DEC'24	26-12-2024	42.7	41.5
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
DEC'24	12-12-2025	43.4	42.1
DEC'24	26-12-2025	43.6	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PATANSAONGI UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/6	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

COLLIERY MANAGER OFFICE NPTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-12-2024	04-12-2024	364	201	60	36	19	CLOUDY/LIGHTBREEZE
17-12-2024	18-12-2024	372	208	62	38	20	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SADBHAVAN NAGAR (FILTER PLANT) NPTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-12-2024	03-12-2024	79	47	25	BDL		CLOUDY/CALM
16-12-2024	17-12-2024	81	49	27	BDL		CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

NEAR LCH QR. NPTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-12-2024	03-12-2024	82	45	28	BDL		CLOUDY/CALM
16-12-2024	17-12-2024	75	47	30	BDL		CLOUDY /LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

SAVARMENDHA /TANDULWADI VILLAGE. NPTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-12-2024	03-12-2024	83	43	27	BDL		CLOUDY/CALM
16-12-2024	17-12-2024	76	45	29	BDL		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 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

MINE DISCHARGE: NPTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-12-2024	7.72	18	24	BDL
17-12-2024	7.39	16	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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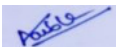
NOISE LEVEL MONITORING DATA

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

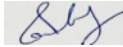
FAN HOUSE		NPTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12-12-2024	68.7	66.4
DEC'24	26-12-2024	69.8	66.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SADBHAVNA NAGAR FILTER PLANT		NPTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12-12-2024	44.5	42.3
DEC'24	26-12-2024	45.4	43.3
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
DEC'24	12-12-2024	43.7	41.5
DEC'24	26-12-2024	43.7	41.8
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



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/8	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

C.M OFFICE-SAONER-I UG NSNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
15-12-2024	16-12-2024	362	206	60	31	19	CLEAR/CALM
16-12-2024	17-12-2024	359	213	62	36	20	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

C.M OFFICE-SAONER-II UG NSNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
15-12-2024	16-12-2024	356	203	58	34	18	CLEAR/CALM
16-12-2024	17-12-2024	374	209	60	36	19	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
15-12-2024	16-12-2024	75	41	26	BDL		CLEAR/CALM
16-12-2024	17-12-2024	77	44	29	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
15-12-2024	16-12-2024	80	43	28	BDL		CLEAR/CALM
16-12-2024	17-12-2024	78	45	30	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
11-12-2024	7.3	18	24	BDL
26-12-2024	7.18	16	20	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
11-12-2024	7.85	20	32	BDL
26-12-2024	7.67	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
11-12-2024	7.78	18	28	BDL
26-12-2024	7.46	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, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE-I: NSNUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	69.6	68.5
DEC'24	26-12-2024	69.8	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

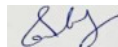
FAN HOUSE-II: NSNUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	69.4	68.7
DEC'24	26-12-2024	69.7	68.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-III: NSNUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	69.5	67.6
DEC'24	26-12-2024	69.6	67.3
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
DEC'24	12-12-2024	43.5	41.3
DEC'24	26-12-2024	43.6	41.8
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/DEC-24/9	DATE OF ISSUE	1/28/2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

WATER FILTER PLANT NSUA1 PARAMETERS (24 hourly values in ug/m ³)							
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	5	5	2	6	10	
12/10/2024	12/11/2024	368	213	62	35	21	CLOUDY/LIGHTBREEZE
12/24/2024	12/25/2024	361	209	59	37	19	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

V.T.C. SILEWARA NSUA2 PARAMETERS (24 hourly values in ug/m ³)							
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	5	5	2	6	10	
12/10/2024	12/11/2024	374	215	60	37	20	CLOUDY/LIGHTBREEZE
12/24/2024	12/25/2024	379	221	58	39	22	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

MANDIR NEAR KANHAN RIVER NSUA3 PARAMETERS (24 hourly values in ug/m ³)							
DATE(dd:mm:yy) OF SAMPLING		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	5	2	6	10		
12/10/2024	12/11/2024	78	43	29	BDL	CLOUDY/LIGHTBREEZE	
12/24/2024	12/25/2024	80	45	31	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

CHANKAPUR PUMP HOUSE/ COLONY NSUA4 PARAMETERS (24 hourly values in ug/m ³)							
DATE(dd:mm:yy) OF SAMPLING		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	5	2	6	10		
12/10/2024	12/11/2024	81	41	27	BDL	CLOUDY/LIGHTBREEZE	
12/24/2024	12/25/2024	85	44	30	BDL	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 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-24 TO 15-01-25

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
12/10/2024	7.34	18	28	BDL
12/24/2024	7.51	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

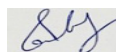
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: NSUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12/12/2024	69.3	66.8
DEC'24	12/26/2024	68.3	66.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SILEWARA): NSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12/12/2024	42.4	41.6
DEC'24	12/26/2024	42.5	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/10	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
09-12-2024	10-12-2024	370	204	63	38	21	CLOUDY/LIGHTBREEZE
23-12-2024	24-12-2024	383	209	61	40	23	CLOUDY/LIGHT BREEZE
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	
04-12-2024	05-12-2024	73	41	28	BDL	CLOUDY/LIGHT BREEZE
05-12-2024	06-12-2024	82	38	27	BDL	CLOUDY/LIGHT BREEZE
11-12-2024	12-12-2024	77	35	25	BDL	CLEAR/LIGHT BREEZE
12-12-2024	13-12-2024	83	42	29	BDL	CLOUDY/LIGHT BREEZE
18-12-2024	19-12-2024	80	43	30	BDL	CLOUDY/LIGHT BREEZE
19-12-2024	20-12-2024	86	40	29	BDL	CLOUDY/LIGHT BREEZE
25-12-2024	26-12-2024	81	37	27	BDL	CLOUDY/LIGHT BREEZE
26-12-2024	27-12-2024	78	44	31	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

HINGNA VILLAGE NSOA3						
DATE(dd:mm:yy) OF SAMPLING		SPM				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-12-2024	05-12-2024	72	44	29	BDL	CLOUDY/LIGHT BREEZE
05-12-2024	06-12-2024	79	38	24	BDL	CLOUDY/LIGHT BREEZE
11-12-2024	12-12-2024	85	40	27	BDL	CLEAR/LIGHT BREEZE
12-12-2024	13-12-2024	81	42	25	BDL	CLOUDY/LIGHT BREEZE
18-12-2024	19-12-2024	78	41	31	BDL	CLOUDY/LIGHT BREEZE
19-12-2024	20-12-2024	70	39	26	BDL	CLOUDY/LIGHT BREEZE
25-12-2024	26-12-2024	81	42	29	BDL	CLOUDY/LIGHT BREEZE
26-12-2024	27-12-2024	86	44	27	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

DORLI VILLAGE NSOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-12-2024	05-12-2024	81	41	27	BDL	CLOUDY/LIGHT BREEZE
05-12-2024	06-12-2024	86	37	25	BDL	CLOUDY/LIGHT BREEZE
11-12-2024	12-12-2024	84	42	29	BDL	CLEAR/LIGHT BREEZE
12-12-2024	13-12-2024	78	36	26	BDL	CLOUDY/LIGHT BREEZE
18-12-2024	19-12-2024	73	37	29	BDL	CLOUDY/LIGHT BREEZE
19-12-2024	20-12-2024	80	40	27	BDL	CLOUDY/LIGHT BREEZE
25-12-2024	26-12-2024	77	36	31	BDL	CLOUDY/LIGHT BREEZE
26-12-2024	27-12-2024	83	41	28	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-24 TO 15-01-25

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
04-12-2024	7.82	30	44	BDL
18-12-2024	7.56	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

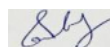
CONTRACTOR CAMP: NSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	53.5	52.2
DEC'24	26-12-2024	54.6	52.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SOHALI VILLAGE: NSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	45.3	43.4
DEC'24	26-12-2024	43.8	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DORLI VILLAGE: NSON3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	42.2	41.7
DEC'24	26-12-2024	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

WAGHODA - UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

NABL Accredited vide Cert. No. TC-7102

Environment Laboratory

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/7	DATE OF ISSUE	1/28/2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

MANAGER OFFICE NWUA1 PARAMETERS for hourly values in ug/m ³)							
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	5	5	2	6	10	
12/3/2024	12/4/2024	372	208	61	36	20	CLOUDY/LIGHTBREEZE
12/17/2024	12/18/2024	386	211	59	41	18	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3 PARAMETERS for hourly values in ug/m ³)							
DATE(dd:mm:yy) OF SAMPLING		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	5	2	6	10		
12/15/2024	12/16/2024	75	41	26	BDL	CLEAR/CALM	
12/16/2024	12/17/2024	77	44	29	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-24 TO 15-01-25	

MINE WATER DISCHARGE: NWUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12/3/2024	7.75	18	28	BDL
12/17/2024	7.81	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

NEAR MANAGER OFFICE		NWUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12/12/2024	54.6	52.4
DEC'24	12/26/2024	54.5	53.4
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
DEC'24	12/12/2024	46.5	44.2
DEC'24	12/26/2024	48.8	44.4
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/DEC-24/11	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

MANAGER OFFICE UM30A1						
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
02-12-2024	03-12-2024	283	176	56	15	12
19-12-2024	20-12-2024	271	166	52	13	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

NEAR RLY. WEIGHT BRIDGE UM30A2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
02-12-2024	03-12-2024	269	159	50	14	12
19-12-2024	20-12-2024	255	148	45	13	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

PIPARDOL VILLAGE UM30A3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-12-2024	03-12-2024	75	24	7	BDL	Clear sky /Calm
03-12-2024	04-12-2024	80	33	9	BDL	Clear sky /Calm
09-12-2024	10-12-2024	88	35	10	BDL	Clear sky /Calm
10-12-2024	11-12-2024	90	37	11	10	Clear sky /Calm
17-12-2024	18-12-2024	86	28	9	BDL	Clear sky /Calm
18-12-2024	19-12-2024	77	26	7	BDL	Clear sky /Calm
23-12-2024	24-12-2024	75	29	6	BDL	Clear sky /Calm
24-12-2024	25-12-2024	85	31	9	BDL	Clear sky /Calm
NAAQS, 2009		100	60	80	80	

WELSAKARA VILLAGE UM30A4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-12-2024	03-12-2024	78	26	7	BDL	Clear sky /Calm
03-12-2024	04-12-2024	82	30	8	BDL	Clear sky /Calm
09-12-2024	10-12-2024	89	31	9	BDL	Clear sky /Calm
10-12-2024	11-12-2024	73	24	6	BDL	Clear sky /Calm
17-12-2024	18-12-2024	84	33	10	BDL	Clear sky /Calm
18-12-2024	19-12-2024	91	35	11	10	Clear sky /Calm
23-12-2024	24-12-2024	87	28	7	BDL	Clear sky /Calm
24-12-2024	25-12-2024	93	34	12	11	Clear sky /Calm
NAAQS, 2009		100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-12-24 TO 15-01-25

MINE WATER DISCHARGE: UM3OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-12-2024	7.61	29	40	BDL
19-12-2024	7.7	34	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM3OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-12-2024	7.73	25	36	BDL
19-12-2024	7.49	21	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

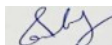
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	11-12-2024	58.2	56.1
DEC'24	20-12-2024	53.3	51.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

HEOTI VILLAGE: UM1ON3			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	11-12-2024	46.2	43.7
DEC'24	20-12-2024	43.3	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/11	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

CONTRACTOR CAMP			UGOA1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-12-2024	04-12-2024	270	162	48	13	11	Cloudy sky / Calm
20-12-2024	21-12-2024	285	175	56	15	12	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BESUR VILLAGE		UGOA2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-12-2024	05-12-2024	80	31	9	BDL	Clear sky / Calm
05-12-2024	06-12-2024	75	26	8	BDL	Cloudy sky / Calm
11-12-2024	12-12-2024	87	27	9	BDL	Clear sky / Calm
12-12-2024	13-12-2024	77	23	6	BDL	Clear sky / Calm
19-12-2024	20-12-2024	90	34	10	BDL	Clear sky / Calm
20-12-2024	21-12-2024	92	36	12	10	Cloudy sky / Calm
25-12-2024	26-12-2024	86	28	9	BDL	Clear sky / Calm
26-12-2024	27-12-2024	76	26	6	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

NAND VILLAGE		UGOA3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-12-2024	05-12-2024	84	27	9	BDL	Clear sky / Calm
05-12-2024	06-12-2024	73	23	6	BDL	Cloudy sky / Calm
11-12-2024	12-12-2024	85	30	9	BDL	Clear sky / Calm
12-12-2024	13-12-2024	72	24	6	BDL	Clear sky / Calm
19-12-2024	20-12-2024	91	35	10	BDL	Clear sky / Calm
20-12-2024	21-12-2024	89	29	9	BDL	Cloudy sky / Calm
25-12-2024	26-12-2024	90	32	11	10	Clear sky / Calm
26-12-2024	27-12-2024	83	27	9	BDL	Clear sky / Calm
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	
04-12-2024	05-12-2024	90	32	10	BDL	Clear sky / Calm
05-12-2024	06-12-2024	75	27	7	BDL	Cloudy sky / Calm
11-12-2024	12-12-2024	87	31	9	BDL	Clear sky / Calm
12-12-2024	13-12-2024	74	25	6	BDL	Clear sky / Calm
19-12-2024	20-12-2024	80	32	9	BDL	Clear sky / Calm
20-12-2024	21-12-2024	93	33	12	11	Cloudy sky / Calm
25-12-2024	26-12-2024	78	25	8	BDL	Clear sky / Calm
26-12-2024	27-12-2024	83	30	9	BDL	Clear sky / Calm
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	
03-12-2024	04-12-2024	263	152	50	13	11	Cloudy sky / Calm
20-12-2024	21-12-2024	247	148	44	11	10	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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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G:		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: UGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-12-2024	7.65	31	44	BDL
20-12-2024	7.74	34	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): UGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-12-2024	7.76	25	36	BDL
20-12-2024	7.5	17	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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

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

PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	11-12-2024	63.2	60.9
DEC'24	20-12-2024	50.2	48.4
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
DEC'24	11-12-2024	58.3	54.7
DEC'24	20-12-2024	62.4	60.7
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
DEC'24	11-12-2024	45.5	42.9
DEC'24	20-12-2024	43.2	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/34	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
01-12-2024	02-12-2024	278	165	58	15	12	Cloudy sky / Calm
18-12-2024	19-12-2024	266	152	45	13	11	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KALMANA VILLAGE		UM10A2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-12-2024	03-12-2024	87	32	8	BDL	Clear sky/Light breeze
03-12-2024	04-12-2024	90	35	12	11	Clear sky/Light breeze
09-12-2024	10-12-2024	78	23	7	BDL	Clear sky/Light breeze
10-12-2024	11-12-2024	80	27	9	BDL	Clear sky/Light breeze
17-12-2024	18-12-2024	75	25	7	BDL	Clear sky/Light breeze
18-12-2024	19-12-2024	72	23	6	BDL	Clear sky/Light breeze
23-12-2024	24-12-2024	86	30	8	BDL	Clear sky/Light breeze
24-12-2024	25-12-2024	74	26	6	BDL	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

SIRPUR VILLAGE		UM10A3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-12-2024	03-12-2024	76	30	7	BDL	Clear sky/Light breeze
03-12-2024	04-12-2024	83	31	9	BDL	Clear sky/Light breeze
09-12-2024	10-12-2024	73	23	6	BDL	Clear sky/Light breeze
10-12-2024	11-12-2024	85	35	8	BDL	Clear sky/Light breeze
17-12-2024	18-12-2024	90	37	10	BDL	Clear sky/Light breeze
18-12-2024	19-12-2024	88	32	9	BDL	Clear sky/Light breeze
23-12-2024	24-12-2024	75	27	7	BDL	Clear sky/Light breeze
24-12-2024	25-12-2024	82	34	8	BDL	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

KHURSAPUR VILLAGE UM10A4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-12-2024	03-12-2024	70	22	7	BDL	Clear sky/Light breeze
03-12-2024	04-12-2024	82	25	6	BDL	Clear sky/Light breeze
09-12-2024	10-12-2024	77	26	8	BDL	Clear sky/Light breeze
10-12-2024	11-12-2024	93	34	11	10	Clear sky/Light breeze
17-12-2024	18-12-2024	89	31	10	BDL	Clear sky/Light breeze
18-12-2024	19-12-2024	87	29	7	BDL	Clear sky/Light breeze
23-12-2024	24-12-2024	75	28	6	BDL	Clear sky/Light breeze
24-12-2024	25-12-2024	80	33	8	BDL	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

HEOTI VILLAGE UM10A5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-12-2024	03-12-2024	90	33	11	10	Clear sky/Light breeze
03-12-2024	04-12-2024	85	32	9	BDL	Clear sky/Light breeze
09-12-2024	10-12-2024	77	28	6	BDL	Clear sky/Light breeze
10-12-2024	11-12-2024	75	24	8	BDL	Clear sky/Light breeze
17-12-2024	18-12-2024	83	30	9	BDL	Clear sky/Light breeze
18-12-2024	19-12-2024	91	36	10	BDL	Clear sky/Light breeze
23-12-2024	24-12-2024	86	32	9	BDL	Clear sky/Light breeze
24-12-2024	25-12-2024	73	25	6	BDL	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

SUBSTATION UM10A6						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	
FROM	TO	5	5	2	6	10
02-12-2024	03-12-2024	288	172	55	16	13
19-12-2024	20-12-2024	260	163	49	13	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

J. Shing
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: UM10W1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-12-2024	7.75	32	44	BDL
19-12-2024	7.58	34	46	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM10W2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-12-2024	7.72	28	40	BDL
19-12-2024	7.47	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

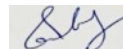
PIT OFFICE: UM10N1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	11-12-2024	62.1	60
DEC'24	20-12-2024	54.2	52.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	11-12-2024	45	42.1
DEC'24	20-12-2024	43.3	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	11-12-2024	46.2	43.7
DEC'24	20-12-2024	43.3	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
Reviewed by



M. Rabbani
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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-II OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024



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/DEC-24/14	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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
01-12-2024	02-12-2024	255	150	45	12	10
18-12-2024	19-12-2024	263	164	54	13	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

SAM OFFICE UMOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
02-12-2024	03-12-2024	270	162	50	14	13
19-12-2024	20-12-2024	283	172	58	16	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

KANWA VILLAGE UUA03						
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	
04-12-2024	05-12-2024	85	32	9	BDL	Clear sky / Calm
05-12-2024	06-12-2024	90	35	10	BDL	Clear sky / Calm
11-12-2024	12-12-2024	75	27	8	BDL	Clear sky / Calm
12-12-2024	13-12-2024	77	29	8	BDL	Clear sky / Calm
19-12-2024	20-12-2024	87	31	7	BDL	Clear sky / Calm
20-12-2024	21-12-2024	90	33	10	BDL	Clear sky / Calm
25-12-2024	26-12-2024	76	25	6	BDL	Clear sky / Calm
26-12-2024	27-12-2024	86	30	9	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY UUA04						
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	
04-12-2024	05-12-2024	90	31	10	BDL	Clear sky / Calm
05-12-2024	06-12-2024	85	29	8	BDL	Clear sky / Calm
11-12-2024	12-12-2024	78	26	6	BDL	Clear sky / Calm
12-12-2024	13-12-2024	87	28	7	BDL	Clear sky / Calm
19-12-2024	20-12-2024	92	34	11	10	Clear sky / Calm
20-12-2024	21-12-2024	75	25	7	BDL	Clear sky / Calm
25-12-2024	26-12-2024	73	24	8	BDL	Clear sky / Calm
26-12-2024	27-12-2024	88	30	10	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

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

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

NEAR PIT OFFICE: UMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	NOISE LEVEL IN dB(A)
		DAY TIME	DAY TIME
	DETECTION LIMIT	20	20
DEC'24	11-12-2024	46.7	44.6
DEC'24	20-12-2024	61.2	58.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

MORPAR UG

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

Environment Laboratory

CMPDI

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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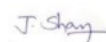
TEST REPORT NO.	RIN/TR/DEC-24/15	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

NEAR PIT OFFICE UMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-12-2024	05-12-2024	263	153	55	13	11	Cloudy sky / Calm
21-12-2024	22-12-2024	285	174	58	15	14	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR MAGAZINE BUILDING UMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-12-2024	05-12-2024	292	175	59	16	13	Cloudy sky / Calm
21-12-2024	22-12-2024	275	162	48	14	11	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	14	120	

COLONY (MURPAR UG) UMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-12-2024	05-12-2024	90	34	11	BDL	Cloudy sky / Calm	
21-12-2024	22-12-2024	85	29	9	BDL	Cloudy sky / Calm	
NAAQS, 2009		100	60	80	80		

MORPAR VILLAGE UMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-12-2024	05-12-2024	88	32	10	BDL	Cloudy sky / Calm	
21-12-2024	22-12-2024	82	28	9	BDL	Cloudy sky / Calm	
NAAQS, 2009		100	60	80	80		



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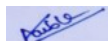
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		UMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
		20	20
DEC'24	11-12-2024	55.6	53.1
DEC'24	20-12-2024	56.2	55.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
		20	20
DEC'24	11-12-2024	43.3	40.7
DEC'24	20-12-2024	42.7	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
Reviewed by



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ENVIRONMENTAL MONITORING REPORT

UMRER OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/DEC-24/16		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-III)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-12-24 TO 15-01-25	

UMRER MANAGER OFFICE UUOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
01-12-2024	02-12-2024	271	165	55	14	12
18-12-2024	19-12-2024	283	170	58	16	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						

NEAR WORKSHOP UUOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
01-12-2024	02-12-2024	264	155	50	13	12
18-12-2024	19-12-2024	248	142	45	12	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						

KANWA VILLAGE UUOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-12-2024	05-12-2024	85	32	9	BDL	Clear sky / Calm
05-12-2024	06-12-2024	90	35	10	BDL	Clear sky / Calm
11-12-2024	12-12-2024	75	27	8	BDL	Clear sky / Calm
12-12-2024	13-12-2024	77	29	8	BDL	Clear sky / Calm
19-12-2024	20-12-2024	87	31	7	BDL	Clear sky / Calm
20-12-2024	21-12-2024	90	33	10	BDL	Clear sky / Calm
25-12-2024	26-12-2024	76	25	6	BDL	Clear sky / Calm
26-12-2024	27-12-2024	86	30	9	BDL	Clear sky / Calm

NEAR PUMP HOUSE COLONY UUOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-12-2024	05-12-2024	90	31	10	BDL	Clear sky / Calm
05-12-2024	06-12-2024	85	29	8	BDL	Clear sky / Calm
11-12-2024	12-12-2024	78	26	6	BDL	Clear sky / Calm
12-12-2024	13-12-2024	87	28	7	BDL	Clear sky / Calm
19-12-2024	20-12-2024	92	34	11	10	Clear sky / Calm
20-12-2024	21-12-2024	75	25	7	BDL	Clear sky / Calm
25-12-2024	26-12-2024	73	24	8	BDL	Clear sky / Calm
26-12-2024	27-12-2024	88	30	10	BDL	Clear sky / Calm

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-24 TO 15-01-25

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
03-12-2024	7.72	31	44	BDL
18-12-2024	7.59	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
03-12-2024	7.69	23	32	BDL
18-12-2024	7.54	25	36	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
03-12-2024	28	12.8
18-12-2024	20	11.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

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NOISE LEVEL MONITORING DATA

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

CHP:		UUON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	11-12-2024	65.4	60.3
DEC'24	20-12-2024	68.4	65.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UUON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	11-12-2024	48.1	44.7
DEC'24	20-12-2024	43.2	42.5
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



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/17	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

ACC PATCH NEAR ACC COLONY WGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-12-2024	09-12-2024	335	223	63	25	13	CLEAR/LIGHTBREEZE
22-12-2024	23-12-2024	361	241	67	27	14	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

SAM OFFICE WGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-12-2024	09-12-2024	359	229	58	26	15	CLEAR/LIGHTBREEZE
22-12-2024	23-12-2024	344	218	64	25	16	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 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		
03-12-2024	04-12-2024	93	43	18	11		CLEAR/LIGHTBREEZE
04-12-2024	05-12-2024	79	37	16	BDL		CLEAR/LIGHTBREEZE
10-12-2024	11-12-2024	66	32	15	10		CLEAR/LIGHTBREEZE
11-12-2024	12-12-2024	91	29	13	BDL		CLEAR/LIGHTBREEZE
17-12-2024	18-12-2024	85	39	16	BDL		CLEAR/LIGHTBREEZE
18-12-2024	19-12-2024	77	35	18	10		CLEAR/CALM
24-12-2024	25-12-2024	71	34	14	BDL		CLEAR/LIGHTBREEZE
25-12-2024	26-12-2024	87	30	15	BDL		CLEAR/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		
03-12-2024	04-12-2024	80	38	19	11		CLEAR/LIGHTBREEZE
04-12-2024	05-12-2024	89	37	14	BDL		CLEAR/LIGHTBREEZE
10-12-2024	11-12-2024	91	35	17	10		CLEAR/LIGHTBREEZE
11-12-2024	12-12-2024	74	39	15	BDL		CLEAR/LIGHTBREEZE
17-12-2024	18-12-2024	68	29	14	BDL		CLEAR/LIGHTBREEZE
18-12-2024	19-12-2024	73	37	16	10		CLEAR/CALM
24-12-2024	25-12-2024	88	42	14	BDL		CLEAR/LIGHTBREEZE
25-12-2024	26-12-2024	77	31	13	BDL		CLEAR/LIGHTBREEZE
NAAQS, 2009		100	60	80	80		



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NOISE LEVEL MONITORING DATA

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

CHP: WGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	09-12-2024	67.3	64.1
DEC'24	23-12-2024	68.6	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	09-12-2024	44.9	43.8
DEC'24	23-12-2024	45.1	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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TEST REPORT NO.	RIN/TR/DEC-24/18	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
07-12-2024	08-12-2024	291	183	59	22	11	CLEAR/LIGHTBREEZE
21-12-2024	22-12-2024	345	209	63	26	13	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

SAM OFFICE				WMOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-12-2024	08-12-2024	347	245	63	26	13	CLEAR/LIGHTBREEZE
21-12-2024	22-12-2024	329	221	59	24	12	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

KOLGAON VILLAGE		WKOA3				
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	
05-12-2024	06-12-2024	93	42	18	10	CLEAR/LIGHTBREEZE
06-12-2024	07-12-2024	87	34	16	BDL	CLEAR/LIGHTBREEZE
12-12-2024	13-12-2024	68	31	17	11	CLEAR/LIGHTBREEZE
13-12-2024	14-12-2024	76	30	16	BDL	CLEAR/LIGHTBREEZE
19-12-2024	20-12-2024	85	40	14	BDL	CLEAR/LIGHTBREEZE
20-12-2024	21-12-2024	69	34	16	BDL	CLEAR/LIGHTBREEZE
26-12-2024	27-12-2024	75	33	15	BDL	CLEAR/LIGHTBREEZE
27-12-2024	28-12-2024	73	31	13	BDL	CLEAR/LIGHTBREEZE
NAAQS, 2009		100	60	80	80	

KAILSHNAGAR TOWNSHIP - FILTER PLANT						WMOA3
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-12-2024	06-12-2024	67	34	16	10	CLEAR/LIGHTBREEZE
06-12-2024	07-12-2024	72	38	17	11	CLEAR/LIGHTBREEZE
12-12-2024	13-12-2024	87	37	15	BDL	CLEAR/LIGHTBREEZE
13-12-2024	14-12-2024	79	29	16	BDL	CLEAR/LIGHTBREEZE
19-12-2024	20-12-2024	65	32	14	BDL	CLEAR/LIGHTBREEZE
20-12-2024	21-12-2024	73	35	13	BDL	CLEAR/LIGHTBREEZE
26-12-2024	27-12-2024	82	42	14	BDL	CLEAR/LIGHTBREEZE
27-12-2024	28-12-2024	70	34	15	BDL	CLEAR/LIGHTBREEZE
NAAQS, 2009		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
06-12-2024	7.29	60	56	BDL
21-12-2024	7.05	58	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE:		WKON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	53.6	51.4
DEC'24	23-12-2024	52.2	50.6
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
DEC'24	09-12-2024	44.8	43.5
DEC'24	23-12-2024	44.1	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/19	DATE OF ISSUE	1/28/2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
12/7/2024	12/8/2024	342	214	66	26	13	CLEAR/LIGHTBREEZE
12/21/2024	12/22/2024	326	234	63	25	BDL	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 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	
12/7/2024	12/8/2024	347	245	63	26	13	CLEAR/LIGHTBREEZE
12/21/2024	12/22/2024	329	221	59	24	12	CLEAR/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 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		
12/5/2024	12/6/2024	67	34	16	10	CLEAR/LIGHTBREEZE	
12/6/2024	12/7/2024	72	38	17	11	CLEAR/LIGHTBREEZE	
12/12/2024	12/13/2024	87	37	15	BDL	CLEAR/LIGHTBREEZE	
12/13/2024	12/14/2024	79	29	16	BDL	CLEAR/LIGHTBREEZE	
12/19/2024	12/20/2024	65	32	14	BDL	CLEAR/LIGHTBREEZE	
12/20/2024	12/21/2024	73	35	13	BDL	CLEAR/LIGHTBREEZE	
12/26/2024	12/27/2024	82	42	14	BDL	CLEAR/LIGHTBREEZE	
12/27/2024	12/28/2024	70	34	15	BDL	CLEAR/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		
12/5/2024	12/6/2024	69	41	18	11	CLEAR/LIGHTBREEZE	
12/6/2024	12/7/2024	76	35	14	BDL	CLEAR/LIGHTBREEZE	
12/12/2024	12/13/2024	88	39	15	BDL	CLEAR/LIGHTBREEZE	
12/13/2024	12/14/2024	92	36	16	BDL	CLEAR/LIGHTBREEZE	
12/19/2024	12/20/2024	81	29	17	11	CLEAR/LIGHTBREEZE	
12/20/2024	12/21/2024	91	38	14	BDL	CLEAR/LIGHTBREEZE	
12/26/2024	12/27/2024	90	41	13	BDL	CLEAR/LIGHTBREEZE	
12/27/2024	12/28/2024	79	36	15	BDL	CLEAR/LIGHTBREEZE	
NAAQS, 2009		100	60	80	80		



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: WMOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12/5/2024	7.28	52	44	BDL
12/21/2024	7.10	58	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WMOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12/5/2024	7.59	46	36	BDL
12/21/2024	7.25	44	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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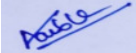
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NOISE LEVEL MONITORING DATA

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

CHP:WMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12/9/2024	66.8	65.6
DEC'24	12/23/2024	68.4	66.8
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
DEC'24	12/9/2024	44.8	43.5
DEC'24	12/23/2024	44.1	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/DEC-24/20		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-12-24 TO 15-01-25	

SAM OFFICE WNGOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
08-12-2024	09-12-2024	351	223	65	26	12
22-12-2024	23-12-2024	311	213	58	23	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

WORKSHOP ETP NOCM WNGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
08-12-2024	09-12-2024	348	225	67	25	13
22-12-2024	23-12-2024	327	232	63	22	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

BELLORA REHABILITATION VILLAGE WNGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-12-2024	04-12-2024	75	38	17	11	CLEAR/LIGHTBREEZE
04-12-2024	05-12-2024	71	41	15	BDL	CLEAR/LIGHTBREEZE
10-12-2024	11-12-2024	69	33	16	BDL	CLEAR/LIGHTBREEZE
11-12-2024	12-12-2024	77	41	16	BDL	CLEAR/LIGHTBREEZE
17-12-2024	18-12-2024	93	35	18	12	CLEAR/LIGHTBREEZE
18-12-2024	19-12-2024	86	40	16	10	CLEAR/CALM
24-12-2024	25-12-2024	69	28	15	BDL	CLEAR/LIGHTBREEZE
25-12-2024	26-12-2024	73	31	14	BDL	CLEAR/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	
03-12-2024	04-12-2024	82	36	15	BDL	CLEAR/LIGHTBREEZE
04-12-2024	05-12-2024	74	35	18	11	CLEAR/LIGHTBREEZE
10-12-2024	11-12-2024	89	44	13	BDL	CLEAR/LIGHTBREEZE
11-12-2024	12-12-2024	91	40	16	BDL	CLEAR/LIGHTBREEZE
17-12-2024	18-12-2024	69	34	15	BDL	CLEAR/LIGHTBREEZE
18-12-2024	19-12-2024	76	37	14	BDL	CLEAR/CALM
24-12-2024	25-12-2024	92	39	13	BDL	CLEAR/LIGHTBREEZE
25-12-2024	26-12-2024	84	31	18	10	CLEAR/LIGHTBREEZE
NAAQS, 2009		100	60	80	80	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
03-12-2024	4.68	48	24	BDL
22-12-2024	3.93	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
03-12-2024	7.24	42	36	BDL
22-12-2024	6.82	48	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

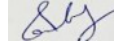
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

CHP: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	09-12-2024	66.1	64.3
DEC'24	23-12-2024	66.4	64.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	09-12-2024	44.9	43.8
DEC'24	23-12-2024	45.1	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

NILJAI DEEP OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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/DEC-24/21	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

CIVIL OFFICE- NILJAI WNOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
08-12-2024	09-12-2024	321	216	68	27	13
22-12-2024	23-12-2024	339	249	63	24	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

WORKSHOP ETP NOCM WNOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
08-12-2024	09-12-2024	348	225	2	25	13
22-12-2024	23-12-2024	327	232	63	22	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

NILJAI COLONY WNOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-12-2024	06-12-2024	92	35	17	12	CLEAR/LIGHTBREEZE
06-12-2024	07-12-2024	82	40	15	BDL	CLEAR/LIGHTBREEZE
12-12-2024	13-12-2024	79	38	16	BDL	CLEAR/LIGHTBREEZE
13-12-2024	14-12-2024	73	34	18	10	CLEAR/LIGHTBREEZE
19-12-2024	20-12-2024	89	37	14	BDL	CLEAR/LIGHTBREEZE
20-12-2024	21-12-2024	74	30	16	BDL	CLEAR/LIGHTBREEZE
26-12-2024	27-12-2024	86	40	14	BDL	CLEAR/LIGHTBREEZE
27-12-2024	28-12-2024	90	38	18	11	CLEAR/LIGHTBREEZE
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	
05-12-2024	06-12-2024	88	42	18	BDL	CLEAR/LIGHTBREEZE
06-12-2024	07-12-2024	91	37	16	BDL	CLEAR/LIGHTBREEZE
12-12-2024	13-12-2024	87	38	17	BDL	CLEAR/LIGHTBREEZE
13-12-2024	14-12-2024	81	42	15	BDL	CLEAR/LIGHTBREEZE
19-12-2024	20-12-2024	79	35	14	BDL	CLEAR/LIGHTBREEZE
20-12-2024	21-12-2024	87	41	13	BDL	CLEAR/LIGHTBREEZE
26-12-2024	27-12-2024	70	32	18	BDL	CLEAR/LIGHTBREEZE
27-12-2024	28-12-2024	75	38	16	BDL	CLEAR/LIGHTBREEZE
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: WNOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-12-2024	7.41	46	40	BDL
22-12-2024	6.75	56	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(NILJAI-S)TREATED WATER: WNOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-12-2024	7.38	34	28	BDL
22-12-2024	7.11	46	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)T.WATER: WNOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
05-12-2024	66	11.4
22-12-2024	78	12.6
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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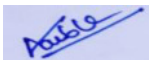
NOISE LEVEL MONITORING DATA

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

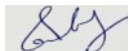
CHP-NILJAI: WNON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	66.3	64.2
DEC'24	23-12-2024	68.4	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP-NILJAI(S): WNON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	67.5	65.8
DEC'24	23-12-2024	68.1	66.4
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
DEC'24	09-12-2024	44.6	43.7
DEC'24	23-12-2024	45.1	42.2
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



DECEMBER 2024

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Environment Laboratory

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

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/DEC-24/23		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-12-24 TO 15-01-25	

MANAGER OFFICE WPOA1						
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
12/7/2024	12/8/2024	353	219	65	26	13
12/21/2024	12/22/2024	324	196	63	20	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

NEAR MINE WPOA2						
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
12/7/2024	12/8/2024	341	223	67	24	11
12/21/2024	12/22/2024	313	189	63	21	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

MIRUR VILLAGE WPOA3						
DATE(dd:mm:yy) OF SAMPLING		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	5	2	6	10	
12/5/2024	12/6/2024	81	29	16	BDL	CLEAR/LIGHTBREEZE
12/6/2024	12/7/2024	79	37	18	10	CLEAR/LIGHTBREEZE
12/12/2024	12/13/2024	90	44	17	13	CLEAR/LIGHTBREEZE
12/13/2024	12/14/2024	87	36	16	BDL	CLEAR/LIGHTBREEZE
12/19/2024	12/20/2024	89	40	17	12	CLEAR/LIGHTBREEZE
12/20/2024	12/21/2024	81	33	14	BDL	CLEAR/LIGHTBREEZE
12/26/2024	12/27/2024	76	34	13	BDL	CLEAR/LIGHTBREEZE
12/27/2024	12/28/2024	79	35	16	BDL	CLEAR/LIGHTBREEZE
NAAQS, 2009		100	60	80	80	

GADEGAON VILLAGE WPOA4						
DATE(dd:mm:yy) OF SAMPLING		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	5	2	6	10	
12/5/2024	12/6/2024	85	43	14	BDL	CLEAR/LIGHTBREEZE
12/6/2024	12/7/2024	93	36	16	BDL	CLEAR/LIGHTBREEZE
12/12/2024	12/13/2024	66	28	13	BDL	CLEAR/LIGHTBREEZE
12/13/2024	12/14/2024	73	34	18	10	CLEAR/LIGHTBREEZE
12/19/2024	12/20/2024	78	40	17	11	CLEAR/LIGHTBREEZE
12/20/2024	12/21/2024	81	36	15	BDL	CLEAR/LIGHTBREEZE
12/26/2024	12/27/2024	91	39	14	BDL	CLEAR/LIGHTBREEZE
12/27/2024	12/28/2024	83	40	16	BDL	CLEAR/LIGHTBREEZE
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-12-24 TO 15-01-25

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
12/6/2024	7.98	36	28	BDL
12/21/2024	7.58	48	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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NOISE LEVEL MONITORING DATA

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

NEAR WORKSHOP: WPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12/9/2024	54.5	52.2
DEC'24	12/23/2024	53.1	51.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
Reviewed by



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ENVIRONMENTAL MONITORING REPORT

GHONSA OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



DECEMBER 2024

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/DEC-24/23		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25	

PROJECT MANAGER OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-12-2024	08-12-2024	281	192	48	16	13	CLEAR/MODERATE BREEZE
21-12-2024	22-12-2024	321	214	55	19	15	CLEAR/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE/ CANTEEN WNKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-12-2024	08-12-2024	263	187	41	13	10	CLEAR/MODERATE BREEZE
21-12-2024	22-12-2024	289	197	49	17	12	CLEAR/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

GHONSA VILLAGE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-12-2024	06-12-2024	65	18	8	BDL	CLEAR/LIGHT BREEZE	
06-12-2002	07-12-2002	78	22	9	BDL	CLEAR/CALM	
12-12-2024	13-12-2024	81	27	8	BDL	CLEAR/MODERATE BREEZE	
13-12-2024	14-12-2024	69	19	8	BDL	CLEAR/LIGHT BREEZE	
19-12-2024	20-12-2024	85	28	9	BDL	CLEAR/LIGHT BREEZE	
20-12-2024	21-12-2024	66	17	8	BDL	CLEAR/CALM	
26-12-2024	27-12-2024	95	31	10	BDL	CLEAR/MODERATE BREEZE	
27-12-2024	28-12-2024	81	25	10	BDL	CLEAR/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

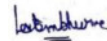
GUEST HOUSE/ COLONY WNGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-12-2024	06-12-2024	75	24	9	BDL	CLEAR/LIGHT BREEZE	
06-12-2002	07-12-2002	86	32	11	BDL	CLEAR/CALM	
12-12-2024	13-12-2024	69	19	9	BDL	CLEAR/MODERATE BREEZE	
13-12-2024	14-12-2024	80	27	10	BDL	CLEAR/LIGHT BREEZE	
19-12-2024	20-12-2024	77	25	8	BDL	CLEAR/LIGHT BREEZE	
20-12-2024	21-12-2024	62	20	7	BDL	CLEAR/CALM	
26-12-2024	27-12-2024	89	29	10	BDL	CLEAR/MODERATE BREEZE	
27-12-2024	28-12-2024	70	22	9	BDL	CLEAR/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-12-2024	7.59	20	40	BDL
26-12-2024	8.16	24	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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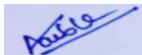
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: WNGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	07-12-2024	56.2	52.7
DEC'24	26-12-2024	55.2	53.1
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
DEC'24	07-12-2024	44.1	42.2
DEC'24	26-12-2024	44.2	41.6
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



DECEMBER 2024

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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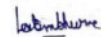
TEST REPORT NO.	RIN/TR/DEC-24/24	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
08-12-2024	09-12-2024	278	192	47	16	CLOUDY/LIGHT BREEZE
22-12-2024	23-12-2024	293	216	57	19	CLEAR/CALM
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	
05-12-2024	06-12-2024	83	33	10	BDL	CLEAR/LIGHT BREEZE
06-12-2002	07-12-2002	77	28	8	BDL	CLEAR/CALM
12-12-2024	13-12-2024	70	24	8	BDL	CLEAR/MODERATE BREEZE
13-12-2024	14-12-2024	81	27	9	BDL	CLEAR/LIGHT BREEZE
19-12-2024	20-12-2024	76	24	9	BDL	CLEAR/LIGHT BREEZE
20-12-2024	21-12-2024	85	29	10	BDL	CLEAR/CALM
26-12-2024	27-12-2024	70	22	10	BDL	CLEAR/MODERATE BREEZE
27-12-2024	28-12-2024	83	30	11	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

BHALAR TOWNSHIP WNJOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-12-2024	06-12-2024	78	27	9	BDL	CLEAR/LIGHT BREEZE
06-12-2002	07-12-2002	71	21	8	BDL	CLEAR/CALM
12-12-2024	13-12-2024	86	31	10	BDL	CLEAR/MODERATE BREEZE
13-12-2024	14-12-2024	82	25	10	BDL	CLEAR/LIGHT BREEZE
19-12-2024	20-12-2024	93	34	12	BDL	CLEAR/LIGHT BREEZE
20-12-2024	21-12-2024	71	27	10	BDL	CLEAR/CALM
26-12-2024	27-12-2024	83	30	11	BDL	CLEAR/MODERATE BREEZE
27-12-2024	28-12-2024	77	29	11	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

UKNI VILLAGE WNJOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-12-2024	03-12-2024	74	23	8	BDL	CLEAR/MODERATE BREEZE
16-12-2024	17-12-2024	88	29	10	BDL	CLEAR/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-12-24 TO 15-01-25

MINE WATER DISCHARGE: WNJOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-12-2024	7.70	22	40	BDL
26-12-2024	7.75	28	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNJOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-12-2024	7.74	20	32	BDL
26-12-2024	8.07	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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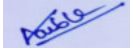
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: WNJON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	54.6	51.4
DEC'24	23-12-2024	53.3	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
DEC'24	09-12-2024	44.2	42.1
DEC'24	23-12-2024	45.4	43.1
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



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/25	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

SUBSTATION KOLARPIMPRI WNKO A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14-12-2024	15-12-2024	278	197	47	14	11	CLEAR/LIGHT BREEZE
23-12-2024	24-12-2024	302	217	54	19	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

REST SHELTER WNKO A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14-12-2024	15-12-2024	241	158	40	11	BDL	CLEAR/LIGHT BREEZE
23-12-2024	24-12-2024	287	177	52	16	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

PIMPRI VILLAGE WNKO A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-12-2024	04-12-2024	88	32	10	BDL	CLEAR/CALM	
04-12-2024	05-12-2024	71	25	9	BDL	CLEAR/CALM	
10-12-2024	11-12-2024	86	29	10	BDL	CLEAR/CALM	
11-12-2024	12-12-2024	69	20	8	BDL	CLEAR/CALM	
17-12-2024	18-12-2024	76	29	9	BDL	CLEAR/LIGHT BREEZE	
18-12-2024	19-12-2024	89	31	10	BDL	CLEAR/CALM	
24-12-2024	25-12-2024	61	25	8	BDL	CLEAR/LIGHT BREEZE	
25-12-2024	26-12-2024	80	29	9	BDL	CLEAR/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

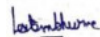
WATER FILTER PLANT PRAGATI NAGAR WNKO A4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-12-2024	04-12-2024	85	27	10	BDL	CLEAR/CALM	
04-12-2024	05-12-2024	93	31	11	BDL	CLEAR/CALM	
10-12-2024	11-12-2024	82	28	11	BDL	CLEAR/CALM	
11-12-2024	12-12-2024	79	25	9	BDL	CLEAR/CALM	
17-12-2024	18-12-2024	74	28	9	BDL	CLEAR/LIGHT BREEZE	
18-12-2024	19-12-2024	83	31	10	BDL	CLEAR/CALM	
24-12-2024	25-12-2024	94	34	12	10	CLEAR/LIGHT BREEZE	
25-12-2024	26-12-2024	88	27	11	BDL	CLEAR/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: WNKOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-12-2024	7.98	30	48	BDL
23-12-2024	8.18	36	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

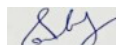
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

CHP: WNKON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	68.1	66.3
DEC'24	23-12-2024	66.7	64.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	43.2	41.3
DEC'24	23-12-2024	44.5	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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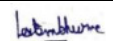
TEST REPORT NO.	RIN/TR/DEC-24/27	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
14-12-2024	15-12-2024	274	191	41	14	11	CLEAR/LIGHT BREEZE
23-12-2024	24-12-2024	261	158	37	13	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

WORKSHOP WNPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
14-12-2024	15-12-2024	293	198	48	16	12	CLEAR/LIGHT BREEZE
23-12-2024	24-12-2024	312	216	53	19	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

WATER FILTER PLANT PRAGATI NAGAR WNKO4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-12-2024	04-12-2024	85	27	10	BDL		CLEAR/CALM
04-12-2024	05-12-2024	93	31	11	BDL		CLEAR/CALM
10-12-2024	11-12-2024	82	28	11	BDL		CLEAR/CALM
11-12-2024	12-12-2024	79	25	9	BDL		CLEAR/CALM
17-12-2024	18-12-2024	74	28	9	BDL		CLEAR/LIGHT BREEZE
18-12-2024	19-12-2024	83	31	10	BDL		CLEAR/CALM
24-12-2024	25-12-2024	94	34	12	10		CLEAR/LIGHT BREEZE
25-12-2024	26-12-2024	88	27	11	BDL		CLEAR/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		
05-12-2024	06-12-2024	83	33	10	BDL		CLEAR/LIGHT BREEZE
06-12-2024	07-12-2024	77	28	8	BDL		CLEAR/CALM
12-12-2024	13-12-2024	70	24	8	BDL		CLEAR/MODERATE BREEZE
13-12-2024	14-12-2024	81	27	9	BDL		CLEAR/LIGHT BREEZE
19-12-2024	20-12-2024	76	24	9	BDL		CLEAR/LIGHT BREEZE
20-12-2024	21-12-2024	85	29	10	BDL		CLEAR/CALM
26-12-2024	27-12-2024	70	22	10	BDL		CLEAR/MODERATE BREEZE
27-12-2024	28-12-2024	83	30	11	BDL		CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		



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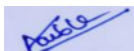
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

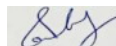
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

CHP: WNPN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	62.2	59.1
DEC'24	23-12-2024	63.3	60.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	43.2	41.3
DEC'24	23-12-2024	44.5	42.2
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



DECEMBER 2024

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/DEC-24/28	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-12-2024	08-12-2024	261	178	41	13	10	CLEAR/MODERATE BREEZE
21-12-2024	22-12-2024	299	201	52	19	16	CLEAR/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE WNRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-12-2024	08-12-2024	289	208	46	15	13	CLEAR/MODERATE BREEZE
21-12-2024	22-12-2024	324	321	55	20	17	CLEAR/MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

PIT OFFICE					WNRUA3		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-12-2024	09-12-2024	312	207	53	17	14	CLEAR/LIGHT BREEZE
22-12-2024	23-12-2024	288	176	49	15	11	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

HUTMENT WNRUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-12-2024	03-12-2024	95	34	13	10	CLEAR/MODERATE BREEZE
16-12-2024	17-12-2024	81	27	11	BDL	CLEAR/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

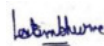


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: WNRUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-12-2024	8.10	30	48	BDL
26-12-2024	8.24	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

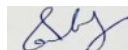
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	07-12-2024	68.4	65.1
DEC'24	26-12-2024	68.5	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	07-12-2024	43.5	41.1
DEC'24	26-12-2024	43.2	41.1
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



DECEMBER 2024

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/DEC-24/29		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-12-24 TO 15-01-25	

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	
08-12-2024	09-12-2024	273	182	43	14	11	CLEAR/LIGHT BREEZE
22-12-2024	23-12-2024	309	201	49	18	13	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

BHALAR TOWNSHIP WNUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-12-2024	06-12-2024	78	27	9	BDL		CLEAR/LIGHT BREEZE
06-12-2002	07-12-2002	71	21	8	BDL		CLEAR/CALM
12-12-2024	13-12-2024	86	31	10	BDL		CLEAR/MODERATE BREEZE
13-12-2024	14-12-2024	82	25	10	BDL		CLEAR/LIGHT BREEZE
19-12-2024	20-12-2024	93	34	12	BDL		CLEAR/LIGHT BREEZE
20-12-2024	21-12-2024	71	27	10	BDL		CLEAR/CALM
26-12-2024	27-12-2024	83	30	11	BDL		CLEAR/MODERATE BREEZE
27-12-2024	28-12-2024	77	29	11	BDL		CLEAR/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		
02-12-2024	03-12-2024	74	23	8	BDL		CLEAR/MODERATE BREEZE
16-12-2024	17-12-2024	88	29	10	BDL		CLEAR/MODERATE BREEZE
NAAQS, 2009		100	60	80	80		

PIMPRI VILLAGE WNKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-12-2024	04-12-2024	88	32	10	BDL		CLEAR/CALM
04-12-2024	05-12-2024	71	25	9	BDL		CLEAR/CALM
10-12-2024	11-12-2024	86	29	10	BDL		CLEAR/CALM
11-12-2024	12-12-2024	69	20	8	BDL		CLEAR/CALM
17-12-2024	18-12-2024	76	29	9	BDL		CLEAR/LIGHT BREEZE
18-12-2024	19-12-2024	89	31	10	BDL		CLEAR/CALM
24-12-2024	25-12-2024	61	25	8	BDL		CLEAR/LIGHT BREEZE
25-12-2024	26-12-2024	80	29	9	BDL		CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION		Water sample			
Test Required		pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)			
SAMPLING METHOD		LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

MINE WATER DISCHARGE: WNUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-12-2024	7.85	28	44	BDL
26-12-2024	7.50	20	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-12-2024	7.89	20	32	BDL
25-12-2024	8.08	26	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
13-12-2024	24	12
26-12-2024	32	16
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30


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

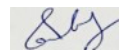
SAMPLE DESCRIPTION	NOISE SAMPLE	
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015	
SAMPLING METHOD	LSOP 6	

CHP: WNUON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	67.5	65.4
DEC'24	23-12-2024	68.1	66.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNUON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	09-12-2024	44.2	42.1
DEC'24	23-12-2024	45.4	43.1
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



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/DEC-24/30	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

NEAR RAILWAY SIDING		WNRSA1					
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	
05-12-2024	06-12-2024	224	157	46	13	10	CLEAR/LIGHT BREEZE
06-12-2002	07-12-2002	209	127	40	10	BDL	CLEAR/CALM
12-12-2024	13-12-2024	258	187	52	15	12	CLEAR/MODERATE BREEZE
13-12-2024	14-12-2024	233	146	41	14	10	CLEAR/LIGHT BREEZE
19-12-2024	20-12-2024	269	185	37	13	10	CLEAR/LIGHT BREEZE
20-12-2024	21-12-2024	247	167	31	16	12	CLEAR/CALM
26-12-2024	27-12-2024	288	192	42	18	13	CLEAR/MODERATE BREEZE
27-12-2024	28-12-2024	293	201	48	20	17	CLEAR/LIGHT BREEZE
TLV		600	300	-	120	120	

VITTALWADI			WNRSA3			
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	
05-12-2024	06-12-2024	85	29	10	BDL	CLEAR/LIGHT BREEZE
06-12-2002	07-12-2002	72	24	8	BDL	CLEAR/CALM
12-12-2024	13-12-2024	89	27	11	BDL	CLEAR/MODERATE BREEZE
13-12-2024	14-12-2024	68	19	9	BDL	CLEAR/LIGHT BREEZE
19-12-2024	20-12-2024	77	24	10	BDL	CLEAR/LIGHT BREEZE
20-12-2024	21-12-2024	69	19	8	BDL	CLEAR/CALM
26-12-2024	27-12-2024	82	29	11	BDL	CLEAR/MODERATE BREEZE
27-12-2024	28-12-2024	71	26	10	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

PRAGATI NAGAR			WNRSA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-12-2024	06-12-2024	88	28	11	BDL	CLEAR/LIGHT BREEZE
06-12-2002	07-12-2002	71	23	10	BDL	CLEAR/CALM
12-12-2024	13-12-2024	96	34	12	BDL	CLEAR/MODERATE BREEZE
13-12-2024	14-12-2024	82	30	8	BDL	CLEAR/LIGHT BREEZE
19-12-2024	20-12-2024	75	27	9	BDL	CLEAR/LIGHT BREEZE
20-12-2024	21-12-2024	68	22	8	BDL	CLEAR/CALM
26-12-2024	27-12-2024	90	34	12	BDL	CLEAR/MODERATE BREEZE
27-12-2024	28-12-2024	81	29	11	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	


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

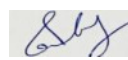
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

Residential Area Near Railway siding		WNRSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	07-12-2024	43.6	41.3
DEC'24	26-12-2024	43.3	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NEAR INCHARGE OFFICE:		WNRSN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	07-12-2024	65.4	63.3
DEC'24	26-12-2024	57.3	56.3
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



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/67	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

MANAGER OFFICE KAOA1							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-12-2024	06-12-2024	255	144	46	12	10	Cloudsky / Calm
29-12-2024	30-12-2024	268	156	58	14	12	Cloudsky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE- MOHAN KAU2							
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	
05-12-2024	06-12-2024	245	138	40	12	10	Cloudsky / Calm
29-12-2024	30-12-2024	258	150	52	13	11	Cloudsky / Light breeze
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		
05-12-2024	06-12-2024	73	25	6	BDL		Cloudsky / Calm
06-12-2024	07-12-2024	82	29	9	BDL		Cloudsky / Calm
13-12-2024	14-12-2024	79	27	7	BDL		Cloudsky / Calm
14-12-2024	15-12-2024	86	33	12	10		Cloudsky / Calm
19-12-2024	20-12-2024	76	24	6	BDL		Cloudsky / Light breeze
20-12-2024	21-12-2024	83	30	9	BDL		Cloudsky / Light breeze
26-12-2024	27-12-2024	80	28	8	BDL		Cloudsky / Light breeze
27-12-2024	28-12-2024	75	23	6	BDL		Cloudsky / Light breeze
NAAQS, 2009		100	60	80	80		

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-12-2024	06-12-2024	81	32	8	BDL		Cloudsky / Calm
06-12-2024	07-12-2024	74	26	6	BDL		Cloudsky / Calm
13-12-2024	14-12-2024	85	34	11	10		Cloudsky / Calm
14-12-2024	15-12-2024	76	27	6	BDL		Cloudsky / Calm
19-12-2024	20-12-2024	80	31	9	BDL		Cloudsky / Light breeze
20-12-2024	21-12-2024	79	28	8	BDL		Cloudsky / Light breeze
26-12-2024	27-12-2024	83	33	10	BDL		Cloudsky / Light breeze
27-12-2024	28-12-2024	78	26	7	BDL		Cloudsky / Light breeze
NAAQS, 2009		100	60	80	80		



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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: KAON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	47.8	45.4
DEC'24	27-12-2024	49.3	46.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN/MAORI): KMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	46.6	44.2
DEC'24	27-12-2024	45.3	44.3
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



DECEMBER 2024

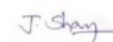
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/69	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
04-12-2024	05-12-2024	253	157	44	12	10	Cloudysky / Calm
21-12-2024	22-12-2024	271	164	51	14	12	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



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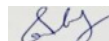
NOISE LEVEL MONITORING DATA

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

WORK SHOP PREMISES:		KAWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	46.2	44.9
DEC'24	27-12-2024	46.4	45.4
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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DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/DEC-24/70		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25	

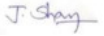
MANAGER OFFICE-GHORAWARI OC KGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
13-12-2024	14-12-2024	248	143	45	13	11	Cloudsky / Calm
30-12-2024	31-12-2024	266	154	51	15	12	Cloudsky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE- JHARNA UG KJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-12-2024	07-12-2024	281	172	58	15	13	Cloudsky / Calm
30-12-2024	31-12-2024	273	162	53	12	10	Cloudsky / Light breeze
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	
06-12-2024	07-12-2024	259	147	43	12	11	Cloudsky / Calm
30-12-2024	31-12-2024	248	133	39	11	10	Cloudsky / Light breeze
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		
05-12-2024	06-12-2024	86	35	11	10		Cloudsky / Calm
06-12-2024	07-12-2024	79	27	8	BDL		Cloudsky / Calm
13-12-2024	14-12-2024	81	29	9	BDL		Cloudsky / Calm
14-12-2024	15-12-2024	75	26	8	BDL		Cloudsky / Calm
19-12-2024	20-12-2024	73	22	7	BDL		Cloudsky / Light breeze
20-12-2024	21-12-2024	85	31	10	BDL		Cloudsky / Light breeze
26-12-2024	27-12-2024	77	25	6	BDL		Cloudsky / Light breeze
27-12-2024	28-12-2024	82	30	9	BDL		Cloudsky / Light breeze
NAAQS, 2009		100	60	80	80		

PANARA VILLAGE KJUA4						
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-12-2024	06-12-2024	74	25	6	BDL	Cloudysky / Calm
06-12-2024	07-12-2024	80	31	8	BDL	Cloudysky / Calm
13-12-2024	14-12-2024	83	34	9	BDL	Cloudysky / Calm
14-12-2024	15-12-2024	78	27	7	BDL	Cloudysky / Calm
19-12-2024	20-12-2024	84	33	11	10	Cloudysky / Light breeze
20-12-2024	21-12-2024	76	25	7	BDL	Cloudysky / Light breeze
26-12-2024	27-12-2024	81	30	9	BDL	Cloudysky / Light breeze
27-12-2024	28-12-2024	77	29	6	BDL	Cloudysky / Light breeze
NAAQS, 2009		100	60	80	80	

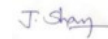


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: KGOW				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-12-2024	7.39	20	28	BDL
30-12-2024	7.5	27	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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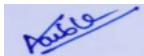
NOISE LEVEL MONITORING DATA

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

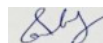
FAN HOUSE: KJUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	69.8	68.4
DEC'24	27-12-2024	70.4	64.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE: KGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	45.4	44.8
DEC'24	27-12-2024	46.6	45.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(JHARNA): KGON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	12-12-2024	45.6	44.3
DEC'24	27-12-2024	43.3	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MOHAN/ MAORI UG

KANHAN AREA

WESTERN COALFIELDS LTD.

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/DEC-24/72	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

SAM OFFICE KMUA1							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-12-2024	14-12-2024	250	145	43	13	11	Cloudysky / Calm
30-12-2024	31-12-2024	266	157	54	15	13	Cloudysky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE MOHAN KMUA2							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-12-2024	14-12-2024	280	173	58	16	14	Cloudysky / Calm
29-12-2024	30-12-2024	269	150	50	14	11	Cloudysky / Light breeze
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		
05-12-2024	06-12-2024	73	25	6	BDL		Cloudysky / Calm
06-12-2024	07-12-2024	82	29	9	BDL		Cloudysky / Calm
13-12-2024	14-12-2024	79	27	7	BDL		Cloudysky / Calm
14-12-2024	15-12-2024	86	33	12	10		Cloudysky / Calm
19-12-2024	20-12-2024	76	24	6	BDL		Cloudysky / Light breeze
20-12-2024	21-12-2024	83	30	9	BDL		Cloudysky / Light breeze
26-12-2024	27-12-2024	80	28	8	BDL		Cloudysky / Light breeze
27-12-2024	28-12-2024	75	23	6	BDL		Cloudysky / Light breeze
NAAQS, 2009		100	60	80	80		

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-12-2024	06-12-2024	81	32	8	BDL		Cloudysky / Calm
06-12-2024	07-12-2024	74	26	6	BDL		Cloudysky / Calm
13-12-2024	14-12-2024	85	34	11	10		Cloudysky / Calm
14-12-2024	15-12-2024	76	27	6	BDL		Cloudysky / Calm
19-12-2024	20-12-2024	80	31	9	BDL		Cloudysky / Light breeze
20-12-2024	21-12-2024	79	28	8	BDL		Cloudysky / Light breeze
26-12-2024	27-12-2024	83	33	10	BDL		Cloudysky / Light breeze
27-12-2024	28-12-2024	78	26	7	BDL		Cloudysky / 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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	12-12-2024	70.6	68.4
DEC'24	27-12-2024	68.7	65.3
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
DEC'24	12-12-2024	46.6	44.2
DEC'24	27-12-2024	45.3	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NANDAN UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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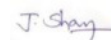
TEST REPORT NO.	RIN/TR/DEC-24/73	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
04-12-2024	05-12-2024	275	162	56	16	12	Cloudy / Calm
28-12-2024	29-12-2024	261	146	45	13	10	Cloudy / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE NANADAN II UG KNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-12-2024	05-12-2024	257	150	50	12	11	Cloudy / Calm
28-12-2024	29-12-2024	249	146	44	11	10	Cloudy / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HEALTH CENTER-NANADAN UG KNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-12-2024	05-12-2024	84	31	9	BDL	Cloudy / Calm	
28-12-2024	29-12-2024	78	27	7	BDL	Cloudy / Light breeze	
NAAQS, 2009		100	60	80	80		

NANDAN WATER FILTER PLANT KNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-12-2024	05-12-2024	75	24	6	BDL	Cloudy / Calm	
28-12-2024	29-12-2024	81	29	7	BDL	Cloudy / Light breeze	
NAAQS, 2009		100	60	80	80		

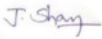


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-24 TO 15-01-25

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
04-12-2024	7.54	25	32	BDL
28-12-2024	7.65	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	
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NOISE LEVEL MONITORING DATA

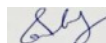
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE UG II: KNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	12-12-2024	69.7	68.1
DEC'24	27-12-2024	68.7	65.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	12-12-2024	44.2	43.1
DEC'24	27-12-2024	45.1	41.7
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



DECEMBER 2024

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/DEC-24/74a	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

INCLINE SHARDA KSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-12-2024	04-12-2024	269	156	49	14	12	Cloudysky / Calm
21-12-2024	22-12-2024	285	173	56	16	14	Cloudysky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

UMARIA FADALI VILLAGE KSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-12-2024	04-12-2024	85	36	10	BDL		Cloudysky / Calm
21-12-2024	22-12-2024	79	29	9	BDL		Cloudysky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		100	60	80	80		

TATARWADA VILLAGE KSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-12-2024	04-12-2024	77	25	8	BDL		Cloudysky / Calm
21-12-2024	22-12-2024	83	31	9	BDL		Cloudysky / Light breeze
NAAQS, 2009		100	60	80	80		

JAMUNBADA DARBAR VILLAGE KSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-12-2024	04-12-2024	82	33	11	BDL		Cloudysky / Calm
21-12-2024	22-12-2024	74	27	8	BDL		Cloudysky / Light breeze
NAAQS, 2009		100	60	80	80		

STORE KSUA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-12-2024	04-12-2024	253	144	40	12	10	Cloudysky / Calm
21-12-2024	22-12-2024	275	160	53	14	11	Cloudysky / 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	
SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G:	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-12-24 TO 15-01-25

MINE WATER DISCHARGE: KSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-12-2024	7.89	30	44	BDL
21-12-2024	7.76	25	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	 TC-7102
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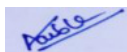
NOISE LEVEL MONITORING DATA

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

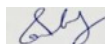
NEAR PIT OFFICE		KSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	12-12-2024	47.8	46.4
DEC'24	27-12-2024	48.4	46.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

UMARIA FADALI VILLAGE		KSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	12-12-2024	43.7	42.1
DEC'24	27-12-2024	45.4	44.2
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
DEC'24	12-12-2024	44.1	43.2
DEC'24	27-12-2024	45.3	43.1
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



DECEMBER 2024

Environment Laboratory
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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/74	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25	

WORKSHOP KTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-12-2024	13-12-2024	255	143	42	12	10	Cloudysky / Calm
22-12-2024	23-12-2024	268	157	53	14	11	Cloudysky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

LAMP ROOM KTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-12-2024	13-12-2024	233	132	38	11	10	Cloudysky / Calm
22-12-2024	23-12-2024	246	140	46	13	11	Cloudysky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY NEAR HEALTH CENTER KTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
12-12-2024	13-12-2024	79	31	8	BDL		Cloudysky / Calm
22-12-2024	23-12-2024	85	34	10	BDL		Cloudysky / Light breeze
NAAQS, 2009		100	60	80	80		

JET HOSTEL KTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
12-12-2024	13-12-2024	81	29	9	BDL		Cloudysky / Calm
22-12-2024	23-12-2024	75	26	7	BDL		Cloudysky / Light breeze
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: KTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-12-2024	7.86	19	28	BDL
22-12-2024	7.82	23	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

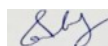
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		KTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	12-12-2024	69.2	68.1
DEC'24	27-12-2024	69.7	65.5
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
DEC'24	12-12-2024	44.6	43.2
DEC'24	27-12-2024	45.2	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

AREA HOSPITAL

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



DECEMBER 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/DEC-24/76		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47 16-12-24 TO 15-01-25	

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	
10-12-2024	11-12-2024	85	40	18	BDL	CLEAR/CALM
23-12-2024	24-12-2024	69	29	17	BDL	CLOUDY/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	

AGM OFFICE PKSUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
10-12-2024	11-12-2024	96	32	19	11	CLEAR/CALM
25-12-2024	26-12-2024	89	37	16	BDL	CLOUDY/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	

PATHAKHERA COLONY PKSUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
10-12-2024	11-12-2024	88	37	15	BDL	CLEAR/CALM
25-12-2024	26-12-2024	94	43	18	11	CLOUDY/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	



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

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

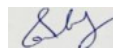
Sarni Mine Premises:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	10-12-2024	64.3	60.4
DEC'24	25-12-2024	63.1	61.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SARNI):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	10-12-2024	42.9	41.3
DEC'24	25-12-2024	43.5	42.2
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
DEC'24	10-12-2024	45.7	43.9
DEC'24	25-12-2024	44.7	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

CHATTARPUR I & II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



DECEMBER 2024



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/DEC-24/75	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

SUBSTATION- CHATTARPUR I UG PKCUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-12-2024	09-12-2024	332	205	66	27	12	clear/calm
25-12-2024	26-12-2024	299	195	61	24	13	cloudy/lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

SAM OFFICE PKCUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-12-2024	09-12-2024	349	214	65	25	13	clear/calm
25-12-2024	26-12-2024	315	202	61	22	12	cloudy/lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

REGIONAL WORKSHOP PKCUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-12-2024	09-12-2024	91	42	18	10	clear/calm	
25-12-2024	26-12-2024	82	35	15	BDL	cloudy/lightbreeze	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		100	60	80	80		

CHATTARPUR VILLAGE PKCUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-12-2024	09-12-2024	82	44	18	10	clear/calm	
25-12-2024	26-12-2024	71	38	16	BDL	cloudy/lightbreeze	
		100	60	80	80		


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
09-12-2024	8.22	46	40	BDL	604
23-12-2024	7.97	52	44	BDL	578
STANDARDS FOR COAL MINE, GSR 742E, dt.	5.5 - 9.0	100	250	10	2000



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

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

FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	10-12-2024	72.4	69.3
DEC'24	25-12-2024	68.4	65.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

TAWA-II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/78	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

CANTEEN BUILDING II PKT2UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-12-2024	12-12-2024	341	216	67	26	13	CLEAR/CALM
24-12-2024	25-12-2024	298	187	59	21	10	CLOUDY/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE PKTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-12-2024	12-12-2024	334	211	66	25	11	CLEAR/CALM
24-12-2024	25-12-2024	308	209	61	26	13	CLOUDY/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

MPEB COLONY PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
11-12-2024	12-12-2024	77	34	15	10	CLEAR/CALM	
23-12-2024	24-12-2024	86	43	18	11	CLOUDY/LIGHTBREEZE	
		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		
10-12-2024	11-12-2024	85	44	18	11	CLEAR/CALM	
23-12-2024	24-12-2024	68	33	14	BDL	CLOUDY/LIGHTBREEZE	
		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
11-12-2024	7.94	44	32	BDL
24-12-2024	7.86	52	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	 TC-7102
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NOISE LEVEL MONITORING DATA

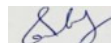
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		PKTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	10-12-2024	73.2	68.8
DEC'24	25-12-2024	67.1	65.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PATHAKHERA COLONY(TAWA):		PKTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	10-12-2024	44.4	43.0
DEC'24	25-12-2024	45.3	42.1
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



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/79	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-12-2024	12-12-2024	357	219	67	26	13	CLEAR/ CALM
24-12-2024	25-12-2024	313	206	59	22	10	CLOUDY/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-12-2024	12-12-2024	339	231	66	26	13	CLEAR/ CALM
24-12-2024	25-12-2024	313	209	58	24	12	CLOUDY/LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-12-2024	12-12-2024	77	34	15	10	CLEAR/CALM
23-12-2024	24-12-2024	86	43	18	11	CLOUDY/LIGHTBREEZE
		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-12-2024	11-12-2024	85	44	18	11	CLEAR/CALM
23-12-2024	24-12-2024	68	33	14	BDL	CLOUDY/LIGHTBREEZE
		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
11-12-2024	7.88	48	40	BDL
24-12-2024	7.76	52	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

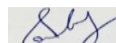
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: PKTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	10-12-2024	71.9	68.2
DEC'24	25-12-2024	69.7	66.3
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
		20	20
DEC'24	10-12-2024	44.4	43.0
DEC'24	25-12-2024	45.3	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



DECEMBER 2024

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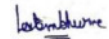
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/DEC-24/54		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47 16-12-24 TO 15-01-25	

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	
09-12-2024	10-12-2024	261	182	40	14	10	CLEAR/CALM
23-12-2024	24-12-2024	297	209	47	18	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE PBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-12-2024	10-12-2024	244	158	37	12	9	CLEAR/CALM
23-12-2024	24-12-2024	284	193	43	15	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CHANDAMETA WORKSHOP PCWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-12-2024	10-12-2024	241	152	38	11	8	CLEAR/CALM
28-12-2024	29-12-2024	268	177	45	16	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CENTRAL SCHOOL PBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
09-12-2024	10-12-2024	87	24	8	BDL	CLEAR/CALM	
23-12-2024	24-12-2024	92	32	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

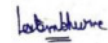


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7192
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SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

ETP DISCHARGE: PBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-12-2024	7.83	28	40	BDL
28-12-2024	8.13	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

NEAR BARKUI HOSPITAL: PBON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	10-12-2024	45.2	43.9
DEC'24	22-12-2024	45.1	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Reviewed by



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ENVIRONMENTAL MONITORING REPORT

BG SIDING

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/59a	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
14-12-2024	15-12-2024	293	185	41	14	10	CLEAR/CALM
28-12-2024	29-12-2024	324	221	50	21	17	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CHECK POST PBGSA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
14-12-2024	15-12-2024	322	210	52	17	12	CLEAR/CALM
28-12-2024	29-12-2024	345	234	59	24	19	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-12-2024	03-12-2024	94	29	10	BDL		CLEAR/CALM
17-12-2024	18-12-2024	75	24	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-12-2024	03-12-2024	72	26	9	BDL		CLEAR/CALM
17-12-2024	18-12-2024	88	29	10	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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

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

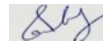
MANAGER OFFICE		PBGSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	10-12-2024	46.2	44.9
DEC'24	22-12-2024	47.4	45.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SUBSTATION		PBGSN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	10-12-2024	45.7	44.2
DEC'24	22-12-2024	46.7	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

COLONY GUEST HOUSE PARASIA		PMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	10-12-2024	43.6	40.2
DEC'24	22-12-2024	45.6	43.9
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



DECEMBER 2024

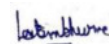
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/55	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
09-12-2024	10-12-2024	241	152	38	11	BDL	CLEAR/CALM
28-12-2024	29-12-2024	268	177	45	16	12	CLEAR/CALM
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 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
06-12-2024	7.76	26	32	BDL
18-12-2024	8.09	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



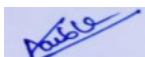
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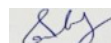
NOISE LEVEL MONITORING DATA

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

NEAR CHANDAMETA WORKSHOP: PCWN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	46.4	44.8
DEC'24	22-12-2024	48.8	45.6
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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DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/56	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

SAM OFFICE PCOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-12-2024	10-12-2024	274	193	34	14	11	CLEAR/CALM
22-12-2024	23-12-2024	251	162	37	15	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

CHINDA OC - SITE PCOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-12-2024	10-12-2024	289	181	37	16	12	CLEAR/CALM
22-12-2024	23-12-2024	263	152	33	13	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-12-2024	05-12-2024	77	27	9	BDL		CLEAR/CALM
05-12-2024	06-12-2024	83	31	10	BDL		CLEAR/CALM
11-12-2024	12-12-2024	64	20	8	BDL		CLEAR/CALM
12-12-2024	13-12-2024	72	23	9	BDL		CLEAR/CALM
18-12-2024	19-12-2024	81	34	10	BDL		CLEAR/CALM
19-12-2024	20-12-2024	67	24	8	BDL		CLEAR/CALM
25-12-2024	26-12-2024	76	29	9	BDL		CLEAR/CALM
26-12-2024	27-12-2024	70	27	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

CHINDA COLONY PNSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-12-2024	05-12-2024	85	28	10	BDL		CLEAR/CALM
05-12-2024	06-12-2024	71	22	9	BDL		CLEAR/CALM
11-12-2024	12-12-2024	93	32	11	BDL		CLEAR/CALM
12-12-2024	13-12-2024	77	26	9	BDL		CLEAR/CALM
18-12-2024	19-12-2024	85	30	12	BDL		CLEAR/CALM
19-12-2024	20-12-2024	66	18	9	BDL		CLEAR/CALM
25-12-2024	26-12-2024	70	22	8	BDL		CLEAR/CALM
26-12-2024	27-12-2024	83	29	10	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: PCOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-12-2024	7.75	20	32	BDL
22-12-2024	8.10	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

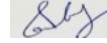
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PCON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	47.2	45.9
DEC'24	22-12-2024	47.8	45.8
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
DEC'24	10-12-2024	45.8	44.2
DEC'24	22-12-2024	45.6	43.8
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/DEC-24/66a	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

CHARUN KHAPA PDUA1						
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	
03-12-2024	04-12-2024	66	18	8	BDL	CLEAR/CALM
18-12-2024	19-12-2024	79	29	10	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

BANKI VILLAGE PDUA2						
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	
03-12-2024	04-12-2024	79	22	9	BDL	CLEAR/CALM
18-12-2024	19-12-2024	62	17	8	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

MANAGER OFFICE PDUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
03-12-2024	04-12-2024	296	173	46	16	12
18-12-2024	19-12-2024	249	152	40	14	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
04-12-2024	7.67	32	52	BDL
18-12-2024	7.99	28	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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

BHUMKADHANA VILLAGE		PDUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	44.9	43.4
DEC'24	22-12-2024	44.5	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

MANAGER OFFICE		PDUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	48.7	46.4
DEC'24	22-12-2024	49.9	45.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SUBSTATION		PDUN3	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	47.9	45.8
DEC'24	22-12-2024	48.6	45.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/59b	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
14-12-2024	15-12-2024	271	189	42	15	12	CLEAR/CALM
28-12-2024	29-12-2024	298	201	49	18	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CHECK POST PEDCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
14-12-2024	15-12-2024	311	211	53	17	15	CLEAR/CALM
28-12-2024	29-12-2024	337	230	61	21	18	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-12-2024	03-12-2024	94	29	10	BDL		CLEAR/CALM
17-12-2024	18-12-2024	75	24	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-12-2024	03-12-2024	72	26	9	BDL		CLEAR/CALM
17-12-2024	18-12-2024	88	29	10	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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

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

MANAGER OFFICE		PEDCN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	10-12-2024	48.4	46.6
DEC'24	22-12-2024	48.2	46.1
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
DEC'24	10-12-2024	43.6	40.2
DEC'24	22-12-2024	45.6	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

JAMUNIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



DECEMBER 2024

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	
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TEST REPORT NO.	RIN/TR/DEC-24/58	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

MANAGER OFFICE PJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-12-2024	04-12-2024	231	148	40	13	BDL	CLEAR/CALM
18-12-2024	19-12-2024	261	178	48	16	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

SUBSTATION PJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-12-2024	04-12-2024	249	155	43	14	10	CLEAR/CALM
18-12-2024	19-12-2024	288	192	52	16	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

JAMUNIA VILLAGE PJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-12-2024	04-12-2024	73	26	9	BDL		CLEAR/CALM
18-12-2024	19-12-2024	61	18	8	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-12-2024	05-12-2024	71	24	9	BDL		CLEAR/CALM
05-12-2024	06-12-2024	86	29	10	BDL		CLEAR/CALM
11-12-2024	12-12-2024	69	19	8	BDL		CLEAR/CALM
12-12-2024	13-12-2024	92	27	10	BDL		CLEAR/CALM
18-12-2024	19-12-2024	82	25	10	BDL		CLEAR/CALM
19-12-2024	20-12-2024	90	31	12	BDL		CLEAR/CALM
25-12-2024	26-12-2024	77	26	9	BDL		CLEAR/CALM
26-12-2024	27-12-2024	65	20	8	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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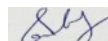
NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: PJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
DEC'24	10-12-2024	45.2	44.1
DEC'24	22-12-2024	45.1	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

MAHADEOPURI UG

PENCH AREA

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JOB NO. 4094423067



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/DEC-24/59	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

MANAGER OFFICE PMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-12-2024	03-12-2024	299	173	48	16	12	CLEAR/CALM
17-12-2024	18-12-2024	274	152	41	13	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

LAMP ROOM PMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-12-2024	03-12-2024	309	181	53	17	14	CLEAR/CALM
17-12-2024	18-12-2024	281	163	45	14	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-12-2024	03-12-2024	94	29	10	BDL		CLEAR/CALM
17-12-2024	18-12-2024	75	24	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-12-2024	03-12-2024	72	26	9	BDL		CLEAR/CALM
17-12-2024	18-12-2024	88	29	10	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
03-12-2024	7.98	30	48	BDL
17-12-2024	7.87	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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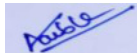
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NOISE LEVEL MONITORING DATA

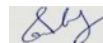
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: PMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	69.2	68.1
DEC'24	22-12-2024	69.7	67.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PMUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	43.6	40.2
DEC'24	22-12-2024	45.6	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEHARIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

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DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/60	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

SAM OFFICE PNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-12-2024	04-12-2024	285	199	35	15	12	CLEAR/CALM
18-12-2024	19-12-2024	302	219	47	17	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

LAMP ROOM/ SUBSTATION PNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-12-2024	04-12-2024	324	221	55	16	13	CLEAR/CALM
21-12-2024	22-12-2024	300	199	48	14	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-12-2024	05-12-2024	85	27	10	BDL		CLEAR/CALM
25-12-2024	26-12-2024	71	22	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-12-2024	05-12-2024	71	24	9	BDL		CLEAR/CALM
05-12-2024	06-12-2024	86	29	10	BDL		CLEAR/CALM
11-12-2024	12-12-2024	69	19	8	BDL		CLEAR/CALM
12-12-2024	13-12-2024	92	27	10	BDL		CLEAR/CALM
18-12-2024	19-12-2024	82	25	10	BDL		CLEAR/CALM
19-12-2024	20-12-2024	90	31	12	BDL		CLEAR/CALM
25-12-2024	26-12-2024	77	26	9	BDL		CLEAR/CALM
26-12-2024	27-12-2024	65	20	8	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

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
04-12-2024	7.78	34	48	BDL
18-12-2024	8.03	28	44	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
04-12-2024	7.80	26	40	BDL
18-12-2024	8.20	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE: PNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	70.7	68.1
DEC'24	22-12-2024	69.9	67.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	45.4	44.2
DEC'24	22-12-2024	45.7	44.1
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



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/61	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

NEW SETHIA OC SITE				PNSOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS		24 hourly values in $\mu\text{g}/\text{m}^3$			ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-12-2024	10-12-2024	277	194	45	14	11	CLEAR/CALM
22-12-2024	23-12-2024	298	213	58	17	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE			PCOA1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-12-2024	10-12-2024	274	193	34	14	11	CLEAR/CALM
22-12-2024	23-12-2024	251	162	37	15	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CHINDA VILLAGE			PCOA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-12-2024	05-12-2024	77	27	9	BDL	CLEAR/CALM
05-12-2024	06-12-2024	83	31	10	BDL	CLEAR/CALM
11-12-2024	12-12-2024	64	20	8	BDL	CLEAR/CALM
12-12-2024	13-12-2024	72	23	9	BDL	CLEAR/CALM
18-12-2024	19-12-2024	81	34	10	BDL	CLEAR/CALM
19-12-2024	20-12-2024	67	24	8	BDL	CLEAR/CALM
25-12-2024	26-12-2024	76	29	9	BDL	CLEAR/CALM
26-12-2024	27-12-2024	70	27	9	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

CHINDA COLONY				PNSOA2		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-12-2024	05-12-2024	85	28	10	BDL	CLEAR/CALM
05-12-2024	06-12-2024	71	22	9	BDL	CLEAR/CALM
11-12-2024	12-12-2024	93	32	11	BDL	CLEAR/CALM
12-12-2024	13-12-2024	77	26	9	BDL	CLEAR/CALM
18-12-2024	19-12-2024	85	30	12	BDL	CLEAR/CALM
19-12-2024	20-12-2024	66	18	9	BDL	CLEAR/CALM
25-12-2024	26-12-2024	70	22	8	BDL	CLEAR/CALM
26-12-2024	27-12-2024	83	29	10	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

Lab. Name

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

MINE WATER DISCHARGE:		PSOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-12-2024	7.85	28	40	BDL
22-12-2024	8.14	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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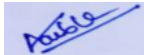
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

NEAR MANAGER OFFICE: PSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	46.4	44.9
DEC'24	22-12-2024	46.2	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
DEC'24	10-12-2024	45.8	44.2
DEC'24	22-12-2024	45.6	43.8
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



DECEMBER 2024

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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/DEC-24/62	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

SITE OFFICE PSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-12-2024	09-12-2024	251	163	36	13	BDL	CLEAR/CALM
21-12-2024	22-12-2024	292	199	45	16	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SHIVPURI WEIGH BRIDGE PSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-12-2024	09-12-2024	274	192	46	14	11	CLEAR/CALM
21-12-2024	22-12-2024	312	224	58	19	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SUBSTATION PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-12-2024	09-12-2024	298	209	51	17	14	CLEAR/CALM
21-12-2024	22-12-2024	321	242	58	20	16	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-12-2024	09-12-2024	87	28	10	BDL	CLEAR/CALM	
21-12-2024	22-12-2024	75	24	9	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-12-2024	05-12-2024	77	27	9	BDL	CLEAR/CALM	
05-12-2024	06-12-2024	83	31	10	BDL	CLEAR/CALM	
11-12-2024	12-12-2024	64	20	8	BDL	CLEAR/CALM	
12-12-2024	13-12-2024	72	23	9	BDL	CLEAR/CALM	
18-12-2024	19-12-2024	81	34	10	BDL	CLEAR/CALM	
19-12-2024	20-12-2024	67	24	8	BDL	CLEAR/CALM	
25-12-2024	26-12-2024	76	29	9	BDL	CLEAR/CALM	
26-12-2024	27-12-2024	70	27	9	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

labindhu

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

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

NEAR MANAGER OFFICE: PSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	46.2	45.4
DEC'24	22-12-2024	48.2	46.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	43.8	41.2
DEC'24	22-12-2024	45.6	43.9
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



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/63	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
08-12-2024	09-12-2024	74	20	8	BDL	CLEAR/CALM
21-12-2024	22-12-2024	89	29	10	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

SAM OFFICE PTUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
03-12-2024	04-12-2024	266	172	42	14	11
21-12-2024	22-12-2024	283	194	51	18	14
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
08-12-2024	09-12-2024	287	193	47	15	13
21-12-2024	22-12-2024	309	215	55	19	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	
03-12-2024	04-12-2024	82	24	11	BDL	CLEAR/CALM
21-12-2024	22-12-2024	95	29	12	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: PTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-12-2024	7.74	22	32	BDL
21-12-2024	8.03	28	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

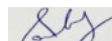
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE-MATHANI: PTUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	68.2	66.1
DEC'24	22-12-2024	70.2	68.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MATHANI COLONY: PTUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	45.4	43.2
DEC'24	22-12-2024	45.7	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

URDHAN OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/DEC-24/64	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

URDHAN MANAGER OFFICE PUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-12-2024	04-12-2024	253	168	43	14	10	CLEAR/CALM
18-12-2024	19-12-2024	276	188	52	17	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COAL STOCK YARD PUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-12-2024	04-12-2024	287	192	50	16	13	CLEAR/CALM
18-12-2024	19-12-2024	324	214	58	23	19	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-12-2024	05-12-2024	85	27	10	BDL	CLEAR/CALM	
25-12-2024	26-12-2024	71	22	9	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-12-2024	05-12-2024	71	24	9	BDL	CLEAR/CALM	
05-12-2024	06-12-2024	86	29	10	BDL	CLEAR/CALM	
11-12-2024	12-12-2024	69	19	8	BDL	CLEAR/CALM	
12-12-2024	13-12-2024	92	27	10	BDL	CLEAR/CALM	
18-12-2024	19-12-2024	82	25	10	BDL	CLEAR/CALM	
19-12-2024	20-12-2024	90	31	12	BDL	CLEAR/CALM	
25-12-2024	26-12-2024	77	26	9	BDL	CLEAR/CALM	
26-12-2024	27-12-2024	65	20	8	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

MINE WATER DISCHARGE:		PUOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-12-2024	7.75	28	44	BDL
18-12-2024	7.99	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE:		PUOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-12-2024	7.95	22	36	BDL
28-12-2024	8.24	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

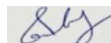
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: PUON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	48.2	46.4
DEC'24	22-12-2024	48.4	46.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

URDHAN VILLAGE: PUON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
DEC'24	10-12-2024	45.6	43.5
DEC'24	22-12-2024	44.6	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

VISHNUPURI-II UG

PENCH AREA

WESTERN COALFIELDS LTD.

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DECEMBER 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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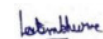
TEST REPORT NO.	RIN/TR/DEC-24/66	DATE OF ISSUE	28-01-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-24 TO 15-01-25

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	
08-12-2024	09-12-2024	276	183	45	14	12	CLEAR/CALM
21-12-2024	22-12-2024	293	204	49	19	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SUBSTATION PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-12-2024	09-12-2024	298	209	51	17	14	CLEAR/CALM
21-12-2024	22-12-2024	321	242	58	20	16	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI PSO A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-12-2024	09-12-2024	87	28	10	BDL		CLOUDY/CALM
21-12-2024	22-12-2024	75	24	9	BDL		CLOUDY/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		
04-12-2024	05-12-2024	77	27	9	BDL		CLEAR/CALM
05-12-2024	06-12-2024	83	31	10	BDL		CLEAR/CALM
11-12-2024	12-12-2024	64	20	8	BDL		CLEAR/CALM
12-12-2024	13-12-2024	72	23	9	BDL		CLEAR/CALM
18-12-2024	19-12-2024	81	34	10	BDL		CLEAR/CALM
19-12-2024	20-12-2024	67	24	8	BDL		CLEAR/CALM
25-12-2024	26-12-2024	76	29	9	BDL		CLEAR/CALM
26-12-2024	27-12-2024	70	27	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

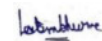


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-12-24 TO 15-01-25

MINE WATER DISCHARGE: PV2UW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-12-2024	8.12	24	36	BDL
21-12-2024	8.18	30	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



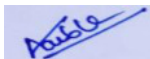
Analysed by

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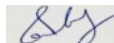
NOISE LEVEL MONITORING DATA

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

FAN HOUSE UG-II: PV2UN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
DEC'24	10-12-2024	69.2	68.1
DEC'24	22-12-2024	68.2	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
Reviewed by



M. Rabbani
Authorised by

1. This report cannot be reproduced in part or full without written of the management.
2. Laboratory activities are performed at the Laboratory permanent facility that is ground floor, Environment Lab, CMPDI RI-IV, Nagpur.
3. This report refers to the values related to the items tested.

***** End of report *****