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ENVIRONMENTAL MONITORING REPORT

Amalgamated of Gouri & Pauni OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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

AN ISO 9001:2015 COMPANY



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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI-II(A) OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI UG TO OC

MAJRI AREA

WESTERN COALFIELDS LTD.

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ONE EARTH • ONE FAMILY • ONE FUTURE

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ENVIRONMENTAL MONITORING REPORT

YEKONA I & II OC

MAJRI AREA

WESTERN COALFIELDS LTD.

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APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/APRIL-25/44	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

MANAGER OFFICE-GOURI-I OC BGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08-04-2025	09-04-2025	319	198	59	22	15	clear sky / light breeze
22-04-2025	23-04-2025	308	205	65	21	14	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE GOURI SUB AREA BGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08-04-2025	09-04-2025	284	165	48	20	13	clear sky / light breeze
22-04-2025	23-04-2025	264	150	42	16	10	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT BSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
04-04-2025	05-04-2025	94	30	8	BDL	clear sky / light breeze	
05-04-2025	06-04-2025	84	34	12	BDL	clear sky / light breeze	
11-04-2025	12-04-2025	78	37	10	BDL	clear sky / light breeze	
12-04-2025	13-04-2025	92	42	7	BDL	clear sky / light breeze	
18-04-2025	19-04-2025	80	33	9	BDL	clear sky / light breeze	
19-04-2025	20-04-2025	70	36	8	BDL	clear sky / light breeze	
25-04-2025	26-04-2025	84	39	10	BDL	clear sky / light breeze	
26-04-2025	27-04-2025	78	40	9	BDL	clear sky / light breeze	
NAAQS, 2009		100	60	80	80		

GOURI VILLAGE BGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
02-04-2025	03-04-2025	70	33	9	BDL	clear sky / light breeze	
03-04-2025	04-04-2025	77	38	8	BDL	clear sky / light breeze	
09-04-2025	10-04-2025	74	25	7	BDL	clear sky / light breeze	
10-04-2025	11-04-2025	65	22	10	BDL	clear sky / light breeze	
16-04-2025	17-04-2025	68	27	8	BDL	clear sky / light breeze	
17-04-2025	18-04-2025	76	30	9	BDL	clear sky / light breeze	
23-04-2025	24-04-2025	72	20	8	BDL	clear sky / light breeze	
24-04-2025	25-04-2025	78	36	9	BDL	clear sky / light breeze	
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/51	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
06-04-2025	07-04-2025	380	206	65	21	18	CLEAR SKY/ MODERATE BREEZE
20-04-2025	21-04-2025	400	212	68	22	16	CLEAR SKY/ MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PATALA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-04-2025	07-04-2025	360	200	64	18	15	CLEAR SKY/ MODERATE BREEZE
20-04-2025	21-04-2025	352	172	56	18	14	CLEAR SKY/ MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PRIMARY HEALTH CENTRE, MAJRI BASTI MMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	70	50	14	12	CLEAR SKY/ LIGHT BREEZE	
03-04-2025	04-04-2025	74	48	16	14	CLEAR SKY/MODERATE BREEZE	
09-04-2025	10-04-2025	82	56	20	15	CLEAR SKY/LIGHT BREEZE	
10-04-2025	11-04-2025	78	51	16	13	CLEAR SKY / MODERATE BREEZE	
16-04-2025	17-04-2025	88	57	17	12	CLEAR SKY/ LIGHT BREEZE	
17-04-2025	18-04-2025	82	51	18	14	CLEAR SKY/ MODERATE BREEZE	
23-04-2025	24-04-2025	80	54	20	16	CLEAR SKY/LIGHT BREEZE	
24-04-2025	25-04-2025	90	48	18	14	CLEAR SKY/MODERATE BREEZE	
NAAQS, 2009		100	60	80	80		

KUCHANA COLONY MMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	67	54	14	10	CLEAR SKY/ LIGHT BREEZE	
03-04-2025	04-04-2025	84	57	16	12	CLEAR SKY/MODERATE BREEZE	
09-04-2025	10-04-2025	79	52	14	12	CLEAR SKY/LIGHT BREEZE	
10-04-2025	11-04-2025	80	56	16	14	CLEAR SKY / MODERATE BREEZE	
16-04-2025	17-04-2025	78	55	14	12	CLEAR SKY/ LIGHT BREEZE	
17-04-2025	18-04-2025	76	46	15	13	CLEAR SKY/ MODERATE BREEZE	
23-04-2025	24-04-2025	86	56	20	17	CLEAR SKY/LIGHT BREEZE	
24-04-2025	25-04-2025	84	45	16	14	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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TEST REPORT NO.	RIN/TR/APRIL-25/50	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

PATALA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-04-2025	07-04-2025	360	200	64	18	15	CLEAR SKY/ MODERATE BREEZE
20-04-2025	21-04-2025	352	172	56	18	14	CLEAR SKY/ MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

MANAGER OFFICE UG TO OC MMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-04-2025	07-04-2025	394	208	76	20	16	CLEAR SKY/ MODERATE BREEZE
20-04-2025	21-04-2025	380	188	60	20	17	CLEAR SKY/ MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

CONTRACTOR CAMP MMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-04-2025	07-04-2025	390	196	70	21	15	CLEAR SKY/ MODERATE BREEZE
20-04-2025	21-04-2025	377	187	63	17	14	CLEAR SKY/ MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/52	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

PIT OFFICE MYOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-04-2025	08-04-2025	416	210	60	20	15	CLEAR SKY/LIGHT BREEZE
21-04-2025	22-04-2025	410	220	64	20	16	CLEAR SKY/LIGHT BREEZE
		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	
02-04-2025	03-04-2025	76	45	14	12	CLEAR SKY/ LIGHT BREEZE
03-04-2025	04-04-2025	72	48	12	10	CLEAR SKY/MODERATE BREEZE
09-04-2025	10-04-2025	70	54	16	12	CLEAR SKY/LIGHT BREEZE
10-04-2025	11-04-2025	76	58	18	14	CLEAR SKY / MODERATE BREEZE
16-04-2025	17-04-2025	66	44	12	10	CLEAR SKY/ LIGHT BREEZE
17-04-2025	18-04-2025	68	47	14	12	CLEAR SKY/ MODERATE BREEZE
23-04-2025	24-04-2025	77	50	14	11	CLEAR SKY/LIGHT BREEZE
24-04-2025	25-04-2025	84	57	16	14	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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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

GOURI I &II OC CHP					BGUF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	s	s		
19-04-2025	20-04-2025	560	410	Cloudy Sky /Light Breeze	
GOURI I &II OC W BRIDGE			BGUF1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	s	s		
19-04-2025	20-04-2025	457	367	Cloudy Sky /Light Breeze	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

RLY SIDING MOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
02-04-2025	03-04-2025	400	322	CLEAR SKY/ LIGHT BREEZE

CHP MOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
02-04-2025	03-04-2025	456	340	CLEAR SKY/ LIGHT BREEZE



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SAWARLA VILLAGE MMUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
02-04-2025	03-04-2025	76	47	16	13	CLEAR SKY/ LIGHT BREEZE
03-04-2025	04-04-2025	72	48	14	12	CLEAR SKY/MODERATE BREEZE
09-04-2025	10-04-2025	66	46	14	10	CLEAR SKY/LIGHT BREEZE
10-04-2025	11-04-2025	74	42	16	12	CLEAR SKY / MODERATE BREEZE
16-04-2025	17-04-2025	80	56	14	12	CLEAR SKY/ LIGHT BREEZE
17-04-2025	18-04-2025	78	55	16	14	CLEAR SKY/ MODERATE BREEZE
23-04-2025	24-04-2025	84	58	16	13	CLEAR SKY/LIGHT BREEZE
24-04-2025	25-04-2025	76	50	18	14	CLEAR SKY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

VISLON VILLAGE MMUA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
02-04-2025	03-04-2025	72	40	12	BDL	CLEAR SKY/ LIGHT BREEZE
03-04-2025	04-04-2025	78	51	20	16	CLEAR SKY/MODERATE BREEZE
09-04-2025	10-04-2025	68	56	18	14	CLEAR SKY/LIGHT BREEZE
10-04-2025	11-04-2025	82	46	16	13	CLEAR SKY / MODERATE BREEZE
16-04-2025	17-04-2025	70	42	12	10	CLEAR SKY/ LIGHT BREEZE
17-04-2025	18-04-2025	74	52	18	15	CLEAR SKY/ MODERATE BREEZE
23-04-2025	24-04-2025	66	53	14	12	CLEAR SKY/LIGHT BREEZE
24-04-2025	25-04-2025	75	54	16	14	CLEAR SKY/MODERATE BREEZE
NAAQS, 2009		100	60	80	80	



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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	
02-04-2025	03-04-2025	86	50	18	16	CLEAR SKY/ LIGHT BREEZE
03-04-2025	04-04-2025	74	55	14	12	CLEAR SKY/MODERATE BREEZE
09-04-2025	10-04-2025	67	56	14	10	CLEAR SKY/LIGHT BREEZE
10-04-2025	11-04-2025	68	52	15	12	CLEAR SKY / MODERATE BREEZE
16-04-2025	17-04-2025	88	58	14	13	CLEAR SKY/ LIGHT BREEZE
17-04-2025	18-04-2025	80	50	16	13	CLEAR SKY/ MODERATE BREEZE
23-04-2025	24-04-2025	94	54	19	16	CLEAR SKY/LIGHT BREEZE
24-04-2025	25-04-2025	89	49	17	14	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	
02-04-2025	03-04-2025	70	48	16	14	CLEAR SKY/ LIGHT BREEZE
03-04-2025	04-04-2025	76	56	20	16	CLEAR SKY/MODERATE BREEZE
09-04-2025	10-04-2025	74	54	16	14	CLEAR SKY/LIGHT BREEZE
10-04-2025	11-04-2025	82	52	17	14	CLEAR SKY / MODERATE BREEZE
16-04-2025	17-04-2025	76	50	14	11	CLEAR SKY/ LIGHT BREEZE
17-04-2025	18-04-2025	87	53	18	13	CLEAR SKY/ MODERATE BREEZE
23-04-2025	24-04-2025	78	52	15	12	CLEAR SKY/LIGHT BREEZE
24-04-2025	25-04-2025	84	47	14	12	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
07-04-2025	08-04-2025	436	230	72	23	16
21-04-2025	22-04-2025	408	200	60	21	17
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300		120	120


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C ,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: BGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-04-2025	7.36	18	32	BDL
20-04-2025	7.61	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-04-2025	7.65	30	40	BDL
20-04-2025	7.96	18	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C ,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: MMOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-04-2025	8.12	30	52	BDL
24-04-2025	8.24	36	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: MMOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-04-2025	7.91	32	40	BDL
24-04-2025	8.25	38	52	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
10-04-2025	24	12
24-04-2025	28	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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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

CONTRACT CAMP MJUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
02-04-2025	03-04-2025	474	365	CLEAR SKY/ LIGHT BREEZE

WORKSHOP MJUF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
03-04-2025	04-04-2025	390	288	CLEAR SKY/ LIGHT BREEZE



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

STOCK YARD 1 MYOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
03-04-2025	04-04-2025	486	350	CLEAR SKY /LIGHT BREEZE

STOCK YARD 2 MYOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
03-04-2025	04-04-2025	473	327	CLEAR SKY /LIGHT BREEZE



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

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

CHP: BGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	11-04-2025	70.3	68.2
APRIL'25	25-04-2025	68.4	63.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE (PAUNI OC): BAGPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	11-04-2025	57.4	53.1
APRIL'25	25-04-2025	65.1	59.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	11-04-2025	43.2	41.1
APRIL'25	25-04-2025	46.5	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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

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

FIELD MAIN SHED/RAILWAY SIDING: MMON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	13-04-2025	66.7	64.3
APRIL'25	28-04-2025	70.1	69.9
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
APRIL'25	13-04-2025	42.1	40.4
APRIL'25	28-04-2025	43.5	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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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C ,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSO	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
10-04-2025	7.79	48	32	BDL
24-04-2025	8.00	42	28	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
10-04-2025	7.68	40	36	BDL
24-04-2025	8.46	46	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
10-04-2025	42	8.4
24-04-2025	36	10.8
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C ,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES: 16-04-25 TO 15-05-25

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
10-04-2025	8.03	38	48	BDL
24-04-2025	8.26	32	40	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
10-04-2025	7.99	40	24	BDL
24-04-2025	8.14	28	48	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
10-04-2025	7.92	34	48	BDL
24-04-2025	8.37	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: MYOW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
10-04-2025	38	10.2
24-04-2025	48	15.0
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30


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ENVIRONMENTAL MONITORING REPORT

BALLARPUR OC

BALLARPUR AREA

JOB NO. 4094423068



APRIL 2025

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

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

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

PIT OFFICE:		MMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	13-04-2025	56.4	52.2
APRIL'25	28-04-2025	57.5	56.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

KUCHNA COLONY		MMON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	13-04-2025	42.6	41.4
APRIL'25	28-04-2025	44.3	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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

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

PIT OFFICE		MYON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	13-04-2025	54.2	51.6
APRIL'25	28-04-2025	55.9	54.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

YEKONA VILLAGE		MYON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	13-04-2025	41.5	40.0
APRIL'25	28-04-2025	44.7	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/APRIL-25/41		DATE OF ISSUE 25-05-2025	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)				
SAMPLE DESCRIPTION	AIR SAMPLE		SAMPLING PLAN :		LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-04-25 TO 15-05-25	

MANAGER OFFICE-BALLARPUR UG BBUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07-04-2025	08-04-2025	322	214	65	19	10	Clear sky / light breeze
21-04-2025	22-04-2025	288	198	60	22	12	Clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

SUBSTATION BBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07-04-2025	08-04-2025	269	166	49	16	11	Clear sky / light breeze
21-04-2025	22-04-2025	250	154	52	18	11	Clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE BBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07-04-2025	08-04-2025	255	159	42	15	10	Clear sky / light breeze
21-04-2025	22-04-2025	198	122	43	15	BDL	Clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

FILTER PLANT COLONY BBUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	86	32	7	BDL	Clear sky / light breeze	
03-04-2025	04-04-2025	74	28	8	BDL	Clear sky / light breeze	
09-04-2025	10-04-2025	90	39	7	BDL	Clear sky / light breeze	
10-04-2025	11-04-2025	94	43	11	BDL	Clear sky / light breeze	
16-04-2025	17-04-2025	80	36	8	BDL	Clear sky / light breeze	
17-04-2025	18-04-2025	82	30	9	BDL	Clear sky / light breeze	
23-04-2025	24-04-2025	91	40	6	BDL	Clear sky / light breeze	
24-04-2025	25-04-2025	86	33	6	BDL	Clear sky / light breeze	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

BALLARPUR OC EXPN CHP			BGUF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
18-04-2025	19-04-2025	510	418	Cloudy/Lightbreeze

BALLARPUR OC Railway Siding			BGUF2	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
18-04-2025	19-04-2025	489	369	Cloudy/Lightbreeze

BALLARPUR OC WEIGH BRIDGE				BGUF3
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
18-04-2025	19-04-2025	480	320	Cloudy/Lightbreeze



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C ,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: BBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-04-2025	7.57	30	48	BDL
21-04-2025	7.4	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
SAMPLING METHOD	LSOP 6

CHP: BBUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	11-04-2025	70.8	69.3
APRIL'25	25-04-2025	66.7	64.6
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
APRIL'25	11-04-2025	43.6	41.4
APRIL'25	25-04-2025	47.6	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

BALLARPUR UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/42	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

MANAGER OFFICE- BALLARPUR UG							BBUA1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-04-2025	08-04-2025	322	214	65	19	10	Clear sky / light breeze
21-04-2025	22-04-2025	288	198	60	22	12	Clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION							BBOA2
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-04-2025	08-04-2025	269	166	49	16	11	Clear sky / light breeze
21-04-2025	22-04-2025	250	154	52	18	11	Clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE							BBOA3
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-04-2025	08-04-2025	255	159	42	15	10	Clear sky / light breeze
21-04-2025	22-04-2025	198	122	43	15	BDL	Clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT COLONY			BBUA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
02-04-2025	03-04-2025	86	32	7	BDL	Clear sky / light breeze
03-04-2025	04-04-2025	74	28	8	BDL	Clear sky / light breeze
09-04-2025	10-04-2025	90	39	7	BDL	Clear sky / light breeze
10-04-2025	11-04-2025	94	43	11	BDL	Clear sky / light breeze
16-04-2025	17-04-2025	80	36	8	BDL	Clear sky / light breeze
17-04-2025	18-04-2025	82	30	9	BDL	Clear sky / light breeze
23-04-2025	24-04-2025	91	40	6	BDL	Clear sky / light breeze
24-04-2025	25-04-2025	86	33	6	BDL	Clear sky / light breeze
NAAQS, 2009		100	60	80	80	


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C ,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: BBUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-04-2025	7.73	18	32	BDL
21-04-2025	7.62	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

FAN HOUSE: BBUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	11-04-2025	71.6	69.9
APRIL'25	25-04-2025	73.8	69.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: BBUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	11-04-2025	43.6	41.4
APRIL'25	25-04-2025	47.6	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

GOURI DEEP OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/43	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

MANAGER OFFICE BGDO1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
FROM	TO	5	5	2	6	10	
08-04-2025	09-04-2025	305	198	56	18	11	clear sky / light breeze
22-04-2025	23-04-2025	324	205	64	22	14	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MUTRA VILLAGE BGDO2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No _x	So _x		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	69	35	9	BDL	clear sky / light breeze	
03-04-2025	04-04-2025	72	29	8	BDL	clear sky / light breeze	
09-04-2025	10-04-2025	74	34	9	BDL	clear sky / light breeze	
10-04-2025	11-04-2025	83	31	11	BDL	clear sky / light breeze	
16-04-2025	17-04-2025	72	28	9	BDL	clear sky / light breeze	
17-04-2025	18-04-2025	68	32	10	BDL	clear sky / light breeze	
23-04-2025	24-04-2025	75	39	11	BDL	clear sky / light breeze	
24-04-2025	25-04-2025	69	27	8	BDL	clear sky / light breeze	
NAAQS, 2009		100	60	80	80		

GOYEGAON VILLAGE BGDO3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No _x	So _x		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	70	30	12	BDL	clear sky / light breeze	
03-04-2025	04-04-2025	76	33	9	BDL	clear sky / light breeze	
09-04-2025	10-04-2025	88	38	9	BDL	clear sky / light breeze	
10-04-2025	11-04-2025	79	32	10	BDL	clear sky / light breeze	
16-04-2025	17-04-2025	65	25	8	BDL	clear sky / light breeze	
17-04-2025	18-04-2025	70	30	9	BDL	clear sky / light breeze	
23-04-2025	24-04-2025	58	18	5	BDL	clear sky / light breeze	
24-04-2025	25-04-2025	73	30	8	BDL	clear sky / light breeze	
NAAQS, 2009		100	60	80	80		

RAILWAY SIDDING BGDO4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
FROM	TO	5	5	2	6	10	
08-04-2025	09-04-2025	340	210	63	26	16	clear sky / light breeze
22-04-2025	23-04-2025	290	185	65	24	16	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

WEIGH BRIDGE BGDOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
19-04-2025	20-04-2025	530	410	Cloudy / Light Breeze
CHP BGDOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
19-04-2025	20-04-2025	452	326	Cloudy / Light Breeze



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C ,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: BGDW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-04-2025	7.73	36	56	BDL
22-04-2025	7.69	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP) DISCHARGE: BGDW2		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-04-2025	7.55	20	32	BDL
22-04-2025	7.94	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	11-04-2025	58.8	55.8
APRIL'25	25-04-2025	64.8	58.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MUTHRA VILLAGE :		BGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	11-04-2025	42.0	40.1
APRIL'25	25-04-2025	46.1	43.4
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



APRIL 2025



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TEST REPORT NO.	RIN/TR/APRIL-25/45	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
06-04-2025	07-04-2025	280	160	55	18	11	clear sky / light breeze
20-04-2025	21-04-2025	269	177	59	16	10	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE-DHOPTALA OC							BND0A2
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-04-2025	07-04-2025	330	214	59	21	14	clear sky / light breeze
20-04-2025	21-04-2025	302	198	62	19	12	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SASTI COLONY BSUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	So ₂	
FROM	TO	5	2	6	10	
04-04-2025	05-04-2025	89	36	12	BDL	
05-04-2025	06-04-2025	69	31	7	BDL	clear sky / light breeze
11-04-2025	12-04-2025	77	33	9	BDL	clear sky / light breeze
12-04-2025	13-04-2025	92	41	11	BDL	clear sky / light breeze
18-04-2025	19-04-2025	60	22	8	BDL	clear sky / light breeze
19-04-2025	20-04-2025	78	33	9	BDL	clear sky / light breeze
25-04-2025	26-04-2025	78	36	10	BDL	clear sky / light breeze
26-04-2025	27-04-2025	70	34	7	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	

MUTHRA VILLAGE BGDO2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	So ₂	
FROM	TO	5	2	6	10	
02-04-2025	03-04-2025	69	35	9	BDL	clear sky / light breeze
03-04-2025	04-04-2025	72	29	8	BDL	clear sky / light breeze
09-04-2025	10-04-2025	74	34	9	BDL	clear sky / light breeze
10-04-2025	11-04-2025	83	31	11	BDL	clear sky / light breeze
16-04-2025	17-04-2025	72	28	9	BDL	clear sky / light breeze
17-04-2025	18-04-2025	68	32	10	BDL	clear sky / light breeze
23-04-2025	24-04-2025	75	39	11	BDL	clear sky / light breeze
24-04-2025	25-04-2025	69	27	8	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

WEIGH BRIDGE BNDOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
18-04-2025	19-04-2025	422	320	Cloudy Sky /Light Breeze

CHP/Coal Mine Point BNDOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
25-04-2025	26-04-2025	536	457	Cloudy Sky /Light Breeze



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C ,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

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
08-04-2025	7.46	24	40	BDL
22-04-2025	7.67	16	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

CHP: BNDON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	11-04-2025	69.9	68.2
APRIL'25	25-04-2025	67.4	60.5
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
APRIL'25	11-04-2025	42.8	40.3
APRIL'25	25-04-2025	45.7	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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BALLARPUR AREA

WESTERN COALFIELDS LTD.

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APRIL 2025

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TEST REPORT NO.	RIN/TR/APRIL-25/47	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
13-04-2025	14-04-2025	289	188	52	16	10	clear sky / light breeze
27-04-2025	28-04-2025	262	157	46	14	BDL	clear sky / light breeze
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	
13-04-2025	14-04-2025	210	155	39	15	10	clear sky / light breeze
27-04-2025	28-04-2025	298	169	42	16	10	clear sky / light breeze
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		
04-04-2025	05-04-2025	82	32	9	BDL	clear sky / light breeze	
05-04-2025	06-04-2025	66	33	11	BDL	clear sky / light breeze	
11-04-2025	12-04-2025	88	27	9	BDL	clear sky / light breeze	
12-04-2025	13-04-2025	74	30	11	BDL	clear sky / light breeze	
18-04-2025	19-04-2025	84	29	9	BDL	clear sky / light breeze	
19-04-2025	20-04-2025	72	32	10	BDL	clear sky / light breeze	
25-04-2025	26-04-2025	77	36	11	BDL	clear sky / light breeze	
26-04-2025	27-04-2025	68	29	9	BDL	clear sky / light breeze	
NAAQS, 2009		100	60	80	80		

WORKSHOP PAUNI OC BPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
13-04-2025	14-04-2025	326	214	64	19	13	clear sky / light breeze
27-04-2025	28-04-2025	302	189	60	21	12	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

WEIGH BRIDGE		BNDOF1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
20-04-2025	21-04-2025	487	326	Cloudy Sky light breeze

CHP		BNDOF2		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
20-04-2025	21-04-2025	561	410	Cloudy Sky light breeze



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C ,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

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
13-04-2025	7.72	20	36	BDL
20-04-2025	7.78	24	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25-09- 2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BP2OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-04-2025	7.53	32	56	BDL
20-04-2025	7.92	30	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	11-04-2025	54.5	52.6
APRIL'25	25-04-2025	67.6	58.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SAKHARI VILLAGE :		BPON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	11-04-2025	43.8	41.6
APRIL'25	25-04-2025	47.5	42.8
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



APRIL 2025

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/48	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

SAM OFFICE-SASTI OC BSOA1						
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
06-04-2025	07-04-2025	246	164	50	15	10
20-04-2025	21-04-2025	298	192	60	24	12
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 $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
06-04-2025	07-04-2025	302	187	48	15	10
20-04-2025	21-04-2025	275	168	52	19	11
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	
04-04-2025	05-04-2025	94	30	8	BDL	clear sky / light breeze
05-04-2025	06-04-2025	84	34	12	BDL	clear sky / light breeze
11-04-2025	12-04-2025	78	37	10	BDL	clear sky / light breeze
12-04-2025	13-04-2025	92	42	7	BDL	clear sky / light breeze
18-04-2025	19-04-2025	80	33	9	BDL	clear sky / light breeze
19-04-2025	20-04-2025	70	36	8	BDL	clear sky / light breeze
25-04-2025	26-04-2025	84	39	10	BDL	clear sky / light breeze
26-04-2025	27-04-2025	78	40	9	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	

SASTI VILLAGE BSUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
04-04-2025	05-04-2025	65	26	9	BDL	clear sky / light breeze
05-04-2025	06-04-2025	75	30	10	BDL	clear sky / light breeze
11-04-2025	12-04-2025	62	33	10	BDL	clear sky / light breeze
12-04-2025	13-04-2025	88	30	11	BDL	clear sky / light breeze
18-04-2025	19-04-2025	60	22	8	BDL	clear sky / light breeze
19-04-2025	20-04-2025	70	33	9	BDL	clear sky / light breeze
25-04-2025	26-04-2025	78	36	10	BDL	clear sky / light breeze
26-04-2025	27-04-2025	70	34	7	BDL	clear sky / light breeze
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES: 16-04-25 TO 15-05-25		

WEIGH BRIDGE				BSOF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
25-04-2025	26-04-2025	5 496	5 398	Cloudy Sky / Light Breeze
MAIN CHP				BSOF2
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
25-04-2025	26-04-2025	5 542	5 425	Cloudy Sky / Light Breeze



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C ,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

MINE WATER DISCHARGE:		BSOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-04-2025	7.58	20	32	BDL
27-04-2025	7.68	32	60	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
06-04-2025	7.58	20	32	BDL
27-04-2025	7.94	22	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED:		BSOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
06-04-2025	24	12.2	
27-04-2025	26	12.8	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30	



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NOISE LEVEL MONITORING DATA

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

CHP:		BSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	11-04-2025	70.2	68.9
APRIL'25	25-04-2025	66.8	61.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		75	70

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	11-04-2025	43.2	41.1
APRIL'25	25-04-2025	46.5	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		55	45


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ENVIRONMENTAL MONITORING REPORT

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BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/APRIL-25/49		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25	

SAM OFFICE-DHOPTALA SUB AREA BND0A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-04-2025	07-04-2025	280	160	55	18	11	clear sky / light breeze
20-04-2025	21-04-2025	269	177	59	16	10	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE-DHOPTALA OC BND0A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-04-2025	07-04-2025	330	214	59	21	14	clear sky / light breeze
20-04-2025	21-04-2025	302	198	62	19	12	clear sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SASTI COLONY BSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-04-2025	05-04-2025	89	36	12	BDL		clear sky / light breeze
05-04-2025	06-04-2025	69	31	7	BDL		clear sky / light breeze
11-04-2025	12-04-2025	77	33	9	BDL		clear sky / light breeze
12-04-2025	13-04-2025	92	41	11	BDL		clear sky / light breeze
18-04-2025	19-04-2025	60	22	8	BDL		clear sky / light breeze
19-04-2025	20-04-2025	78	33	9	BDL		clear sky / light breeze
25-04-2025	26-04-2025	78	36	10	BDL		clear sky / light breeze
26-04-2025	27-04-2025	70	34	7	BDL		clear sky / light breeze
NAAQS, 2009		100	60	80	80		

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-04-2025	05-04-2025	65	26	9	BDL		clear sky / light breeze
05-04-2025	06-04-2025	75	30	10	BDL		clear sky / light breeze
11-04-2025	12-04-2025	62	33	10	BDL		clear sky / light breeze
12-04-2025	13-04-2025	88	30	11	BDL		clear sky / light breeze
18-04-2025	19-04-2025	60	22	8	BDL		clear sky / light breeze
19-04-2025	20-04-2025	70	33	9	BDL		clear sky / light breeze
25-04-2025	26-04-2025	78	36	10	BDL		clear sky / light breeze
26-04-2025	27-04-2025	70	34	7	BDL		clear sky / light breeze
NAAQS, 2009		100	60	80	80		



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

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

SASTI COLONY: BSUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	11-04-2025	42.8	40.3
APRIL'25	25-04-2025	45.7	41.6
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



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/31	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16/04/25 TO 15/05/25	

BHATADI SECURITY POST CBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-04-2025	10-04-2025	457	206	55	39	29	Clear Sky/calm
25-04-2025	26-04-2025	445	196	53	31	25	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI MANAGER OFFICE CBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-04-2025	10-04-2025	421	185	48	34	20	Clear Sky/calm
25-04-2025	26-04-2025	415	178	42	32	21	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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-04-2025	07-04-2025	91	31	21	15	Clear Sky/calm	
07-04-2025	08-04-2025	88	29	22	18	Clear Sky/calm	
12-04-2025	13-04-2025	82	25	25	17	Clear Sky/calm	
13-04-2025	14-04-2025	89	23	28	23	Clear Sky/calm	
20-04-2025	21-04-2025	85	21	30	19	Clear Sky/calm	
21-04-2025	22-04-2025	92	28	20	16	Clear Sky/calm	
27-04-2025	28-04-2025	87	23	26	20	Clear Sky/calm	
28-04-2025	29-04-2025	90	30	25	17	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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-04-2025	07-04-2025	88	25	25	16	Clear Sky/calm	
07-04-2025	08-04-2025	86	19	28	20	Clear Sky/calm	
12-04-2025	13-04-2025	87	23	26	22	Clear Sky/calm	
13-04-2025	14-04-2025	84	20	21	15	Clear Sky/calm	
20-04-2025	21-04-2025	90	26	28	18	Clear Sky/calm	
21-04-2025	22-04-2025	88	21	27	21	Clear Sky/calm	
27-04-2025	28-04-2025	84	19	24	15	Clear Sky/calm	
28-04-2025	29-04-2025	91	23	26	20	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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-04-2025	07-04-2025	91	34	27	25	Clear Sky/calm	
07-04-2025	08-04-2025	85	30	23	17	Clear Sky/calm	
12-04-2025	13-04-2025	88	29	22	21	Clear Sky/calm	
13-04-2025	14-04-2025	90	32	26	18	Clear Sky/calm	
20-04-2025	21-04-2025	82	25	25	23	Clear Sky/calm	
21-04-2025	22-04-2025	92	34	23	22	Clear Sky/calm	
27-04-2025	28-04-2025	80	28	24	18	Clear Sky/calm	
28-04-2025	29-04-2025	83	32	31	19	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24)		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/04/24 TO 15/05/24

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
22-04-2025	23-04-2025	460	241	Clear Sky/calm


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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION		Water sample			
Test Required		pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C , O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)			
SAMPLING METHOD		LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :		16/04/25 TO 15/05/25

MINE WATER DISCHARGE: CBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-04-2025	7.56	26	24	BDL
25-04-2025	7.44	22	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: CBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-04-2025	7.71	21	28	BDL
25-04-2025	7.60	15	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: CBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
09-04-2025	24	4.8
25-04-2025	18	5.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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NOISE LEVEL MONITORING DATA

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

CHP: CBON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	67.2	63.5
APRIL'25	26-04-2025	66.2	64.3
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
APRIL'25	10-04-2025	43.3	40.4
APRIL'25	26-04-2025	42.2	40.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

CRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/32	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/04/25 TO 15/05/25

MANAGER OFFICE MAHAKALI UG CMKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-04-2025	12-04-2025	405	166	45	36	25	Clear Sky/calm
27-04-2025	28-04-2025	394	150	40	30	27	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-04-2025	12-04-2025	403	177	42	35	25	Clear Sky/calm
27-04-2025	28-04-2025	396	148	39	33	22	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-04-2025	07-04-2025	378	154	40	28	21	Clear Sky/calm
22-04-2025	23-04-2025	372	148	37	30	25	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-04-2025	07-04-2025	77	24	25	14	Clear Sky/calm	
22-04-2025	23-04-2025	88	30	27	17	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		


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NOISE LEVEL MONITORING DATA

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

CHP		CCRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	64.3	61.5
APRIL'25	26-04-2025	65.2	62.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MKC)		CCRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	43.3	39.5
APRIL'25	26-04-2025	43.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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DRC UG

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/33	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/04/25 TO 15/05/25

PIT OFFICE-DRC- III UG CDRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-04-2025	08-04-2025	396	163	35	26	21	Clear Sky/calm
23-04-2025	24-04-2025	410	170	37	34	25	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE DRC-IV CDRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-04-2025	08-04-2025	407	180	38	26	22	Clear Sky/calm
23-04-2025	24-04-2025	398	175	41	31	26	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DRC- V COLONY CDRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-04-2025	07-04-2025	78	23	23	13	Clear Sky/calm	
22-04-2025	23-04-2025	81	26	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-04-2025	07-04-2025	80	28	27	19	Clear Sky/calm	
22-04-2025	23-04-2025	75	24	25	17	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/04/24 TO 15/05/24

COAL BUNKER		CDUF1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
23-04-2025	24-04-2025	425	201	Clear Sky/calm



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C , O & G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/04/25 TO 15/05/25

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
06-04-2025	7.31	19	20	BDL
22-04-2025	7.22	14	16	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25- 09-2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

FAN HOUSE: CDRUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	67.2	64.4
APRIL'25	26-04-2025	67.3	64.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY: CDRUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	42.2	39.4
APRIL'25	26-04-2025	43.2	40.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

DURGAPUR OC

CHANDRAPUR AREA

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APRIL 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/34	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/04/25 TO 15/05/25

MANAGER OFFICE-SECTOR V CDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-04-2025	08-04-2025	418	173	48	39	24	Clear Sky/calm
23-04-2025	24-04-2025	415	165	43	37	22	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DURGAPUR VILLAGE CDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-04-2025	07-04-2025	87	32	28	22		Clear Sky/calm
07-04-2025	08-04-2025	82	21	35	24		Clear Sky/calm
12-04-2025	13-04-2025	90	31	29	17		Clear Sky/calm
13-04-2025	14-04-2025	88	28	27	23		Clear Sky/calm
20-04-2025	21-04-2025	84	20	32	20		Clear Sky/calm
21-04-2025	22-04-2025	86	30	24	19		Clear Sky/calm
27-04-2025	28-04-2025	82	23	22	18		Clear Sky/calm
28-04-2025	29-04-2025	80	31	34	23		Clear Sky/calm
NAAQS, 2009		100	60	80	80		

MANAGER OFFICE Q-IV CDOA3 (Durgapur OC)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-04-2025	09-04-2025	417	179	40	31	22	Clear Sky/calm
24-04-2025	25-04-2025	421	186	47	36	24	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT DOC/POC COLONY CDOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-04-2025	07-04-2025	93	36	23	28		Clear Sky/calm
07-04-2025	08-04-2025	84	35	27	26		Clear Sky/calm
12-04-2025	13-04-2025	91	39	32	21		Clear Sky/calm
13-04-2025	14-04-2025	89	34	38	22		Clear Sky/calm
20-04-2025	21-04-2025	84	37	27	19		Clear Sky/calm
21-04-2025	22-04-2025	87	27	30	26		Clear Sky/calm
27-04-2025	28-04-2025	85	32	32	26		Clear Sky/calm
28-04-2025	29-04-2025	92	35	30	28		Clear Sky/calm
NAAQS, 2009		100	60	80	80		


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<u>FUGITIVE DUST MONITORING</u>		
TEST REQUIRED SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES: 16/04/24 TO 15/05/24
CHP CDGOF1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)
FROM TO		SPM PM₁₀
24-04-2025 25-04-2025		5 5
465 246		ENVIRONMENT CONDITIONS (Sky/Wind) Clear Sky/calm
CHECK POST / AYYAPA MANDIR CDGOF2		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)
FROM TO		SPM PM₁₀
25-04-2025 26-04-2025		5 5
442 224		ENVIRONMENT CONDITIONS (Sky/Wind) Clear Sky/calm
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C , O & G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/04/25 TO 15/05/25

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
07-04-2025	7.35	24	28	BDL
23-04-2025	7.24	21	20	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
07-04-2025	3.45	41	28	BDL
23-04-2025	3.38	45	32	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
07-04-2025	7.78	27	36	BDL
23-04-2025	7.56	23	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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


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NOISE LEVEL MONITORING DATA

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

CHP:		CDON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	65.3	62.5
APRIL'25	26-04-2025	66.3	63.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	42.2	39.4
APRIL'25	26-04-2025	43.2	40.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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TEST REPORT NO.	RIN/TR/APRIL-25/37	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO ₂ : IS 5182 (Part-06), SO ₂ : IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/04/25 TO 15/05/25

SUBSTATION HLC I UG CHUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-04-2025	12-04-2025	420	168	47	34	26	Clear Sky/calm
27-04-2025	28-04-2025	411	154	41	29	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	
11-04-2025	12-04-2025	425	182	53	30	25	Clear Sky/calm
27-04-2025	28-04-2025	421	175	42	36	28	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HLC-III COLONY CHUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
10-04-2025	11-04-2025	76	28	26	13	Clear Sky/calm	
26-04-2025	27-04-2025	68	23	21	17	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		

RAJIV GANDHI ENGG. COLLEGE CHUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				Rainy/Windy	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
10-04-2025	11-04-2025	74	29	24	13	Clear Sky/calm	
26-04-2025	27-04-2025	72	27	27	15	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C , O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/04/25 TO 15/05/25

MINE WATER DISCHARGE(HLP-III): CHUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-04-2025	7.36	25	28	BDL
27-04-2025	7.29	21	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE(HLP-I): CHUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-04-2025	7.38	22	20	BDL
27-04-2025	7.46	18	12	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

FAN HOUSE-I:		CHUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	68.3	65.6
APRIL'25	26-04-2025	68.9	65.8
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
APRIL'25	10-04-2025	43.2	40.4
APRIL'25	26-04-2025	42.3	39.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

HLP OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/APRIL-25/35	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/04/25 TO 15/05/25

MANAGER OFFICE (NANDGAON UG) CNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-04-2025	13-04-2025	407	169	45	30	21	Clear Sky/calm
28-04-2025	29-04-2025	398	161	47	33	24	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE(HLP OC) CHOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-04-2025	13-04-2025	429	186	52	33	27	Clear Sky/calm
28-04-2025	29-04-2025	414	174	49	31	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		
10-04-2025	11-04-2025	70	23	20	13	Clear Sky/calm	
26-04-2025	27-04-2025	77	27	21	16	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		
06-04-2025	07-04-2025	82	26	24	21	Clear Sky/calm	
07-04-2025	08-04-2025	75	23	20	16	Clear Sky/calm	
12-04-2025	13-04-2025	83	25	26	20	Clear Sky/calm	
13-04-2025	14-04-2025	86	27	22	15	Clear Sky/calm	
20-04-2025	21-04-2025	81	26	25	19	Clear Sky/calm	
21-04-2025	22-04-2025	87	28	24	18	Clear Sky/calm	
27-04-2025	28-04-2025	76	23	23	17	Clear Sky/calm	
28-04-2025	29-04-2025	79	25	19	15	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-24 TO 15-05-24

MAIN CHP			CHLOF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
27-04-2025	28-04-2025	435	211	Clear Sky/calm

RAILWAY SIDING			CHLOF2	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
28-04-2025	29-04-2025	461	256	Clear Sky/calm



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SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C , O & G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :		16/04/25 TO 15/05/25

MINE WATER DISCHARGE: CHOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-04-2025	3.43	46	28	BDL
26-04-2025	3.58	39	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	66.3	63.4
APRIL'25	26-04-2025	69.3	66.5
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
APRIL'25	10-04-2025	42.3	38.5
APRIL'25	26-04-2025	41.2	38.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

MAHAKALI UG

CHANDRAPUR AREA

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APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/APRIL-25/37		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)				
SAMPLE DESCRIPTION	AIR SAMPLE		SAMPLING PLAN :		LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16/04/25 TO 15/05/25	

MANAGER OFFICE MAHAKALI UG CMKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-04-2025	12-04-2025	405	166	45	36	25	Clear Sky/calm
27-04-2025	28-04-2025	394	150	40	30	27	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-04-2025	12-04-2025	403	177	42	35	25	Clear Sky/calm
27-04-2025	28-04-2025	396	148	39	33	22	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	
06-04-2025	07-04-2025	378	154	40	28	21	Clear Sky/calm
22-04-2025	23-04-2025	372	148	37	30	25	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-04-2025	07-04-2025	77	24	25	14		Clear Sky/calm
22-04-2025	23-04-2025	88	30	27	17		Clear Sky/calm
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/04/24 TO 15/05/24

COAL BUNKER		CMKUF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)	
		SPM	PM ₁₀
FROM	TO	S	S
28-04-2025	29-04-2025	408	202
		ENVIRONMENT CONDITIONS (Sky/Wind)	
		Clear Sky/calm	



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C , O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :		16/04/25 TO 15/05/25	

MINE WATER DISCHARGE: CMKUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-04-2025	7.23	25	20	BDL
27-04-2025	7.34	21	12	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

FAN HOUSE: CMKUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	69.3	66.6
APRIL'25	26-04-2025	68.2	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MAHAKALI): CMKUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	43.3	39.5
APRIL'25	26-04-2025	43.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/APRIL-25/38	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/04/25 TO 15/05/25

MANAGER OFFICE CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-04-2025	12-04-2025	404	166	46	30	24	Clear Sky/calm
27-04-2025	28-04-2025	389	163	40	28	22	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE CMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-04-2025	13-04-2025	397	161	45	29	21	Clear Sky/calm
28-04-2025	29-04-2025	402	172	47	32	26	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (NANDGAON) CNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-04-2025	07-04-2025	82	26	24	21	Clear Sky/calm	
07-04-2025	08-04-2025	75	23	20	16	Clear Sky/calm	
12-04-2025	13-04-2025	83	25	26	20	Clear Sky/calm	
13-04-2025	14-04-2025	86	27	22	15	Clear Sky/calm	
20-04-2025	21-04-2025	81	26	25	19	Clear Sky/calm	
21-04-2025	22-04-2025	87	28	24	18	Clear Sky/calm	
27-04-2025	28-04-2025	76	23	23	17	Clear Sky/calm	
28-04-2025	29-04-2025	79	25	19	15	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		
10-04-2025	11-04-2025	70	23	20	13	Clear Sky/calm	
26-04-2025	27-04-2025	77	27	21	16	Clear Sky/calm	
		100	60	80	80		


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C , O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/04/25 TO 15/05/25

MINE WATER DISCHARGE: CMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-04-2025	7.35	21	16	BDL
26-04-2025	7.28	25	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

FAN HOUSE: CMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	50.2	47.3
APRIL'25	26-04-2025	51.2	48.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(HLP OC): CHON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	42.3	38.5
APRIL'25	26-04-2025	41.2	38.4
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/APRIL-25/39	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/04/25 TO 15/05/25

MANAGER OFFICE NANDGAON UG				CNUA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-04-2025	13-04-2025	407	169	45	30	21	Clear Sky/calm
28-04-2025	29-04-2025	398	161	47	33	24	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE				CMUA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-04-2025	13-04-2025	397	161	45	29	21	Clear Sky/calm
28-04-2025	29-04-2025	402	172	47	32	26	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE			CMUA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
10.04.2025	11.04.2025	70	23	20	13	Clear Sky/calm
26.04.2025	27.04.2025	77	27	21	16	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	
06-04-2025	07-04-2025	82	26	24	21	Clear Sky/calm
07-04-2025	08-04-2025	75	23	20	16	Clear Sky/calm
12-04-2025	13-04-2025	83	25	26	20	Clear Sky/calm
13-04-2025	14-04-2025	86	27	22	15	Clear Sky/calm
20-04-2025	21-04-2025	81	26	25	19	Clear Sky/calm
21-04-2025	22-04-2025	87	28	24	18	Clear Sky/calm
27-04-2025	28-04-2025	76	23	23	17	Clear Sky/calm
28-04-2025	29-04-2025	79	25	19	15	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,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C , O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/04/25 TO 15/05/25

MINE WATER DISCHARGE: CNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-04-2025	7.51	23	28	BDL
26-04-2025	7.53	21	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	68.2	64.4
APRIL'25	26-04-2025	69.2	66.5
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
APRIL'25	10-04-2025	43.2	40.4
APRIL'25	26-04-2025	42.3	39.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Yogesh Pidurkar
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ENVIRONMENTAL MONITORING REPORT

PADMAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/40	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16/04/25 TO 15/05/25	

MANAGER OFFICE Q-IV CPOA1 (Padmapur)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-04-2025	09-04-2025	419	164	38	33	24	Clear Sky/calm
24-04-2025	25-04-2025	432	175	44	36	26	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE Q-IV CDOA3 (Durgapur OC)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-04-2025	09-04-2025	417	179	40	31	22	Clear Sky/calm
24-04-2025	25-04-2025	421	186	47	36	24	Clear Sky/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

WARWAT VILLAGE CPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
09-04-2025	10-04-2025	83	21	22	13		Clear Sky/calm
25-04-2025	24-04-2025	86	26	24	16		Clear Sky/calm
		100	60	80	80		

KITADI VILLAGE CPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-04-2025	09-04-2025	80	27	24	17		Clear Sky/calm
24-04-2025	25-04-2025	78	22	19	13		Clear Sky/calm
		100	60	80	80		

VICHODA RAYATWARI VILLAGE CPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-04-2025	09-04-2025	83	28	24	18		Clear Sky/calm
24-04-2025	25-04-2025	79	20	22	16		Clear Sky/calm
		100	60	80	80		


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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/04/24 TO 15/05/24

CHP/MGR LOADING POINT		CPRUF2		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
22-04-2025	23-04-2025	468	259	Clear Sky/calm



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C , O & G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/04/25 TO 15/05/25

PADMAPUR OC QUARRY		CPOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
NA	NA	NA	NA	NA
24-04-2025	3.12	46	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

PADMAPUR OC MINE WATER DISCHARGE-III		CPOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
NA	NA	NA	NA	NA
24-04-2025	3.21	35	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

CHP:		CPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	66.2	63.5
APRIL'25	26-04-2025	67.2	64.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	42.2	39.4
APRIL'25	26-04-2025	43.2	40.4
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



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/1	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM _{2.5} : IS 5182 (Part 24), NO ₂ : IS 5182 (Part-06), SO ₂ :IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
13-04-2025	14-04-2025	369	209	56	41	22	CLEAR/MODERATE BREEZE
27-04-2025	28-04-2025	363	202	54	39	18	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MAREmber 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE NAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	71	43	29	BDL		CLOUDY/CALM
03-04-2025	04-04-2025	68	41	28	BDL		CLOUDY/CALM
09-04-2025	10-04-2025	55	34	19	BDL		CLOUDY/CALM
10-04-2025	11-04-2025	69	43	31	BDL		CLEAR/LIGHT BREEZE
16-04-2025	17-04-2025	66	40	27	BDL		CLEAR/LIGHT BREEZE
17-04-2025	18-04-2025	64	39	27	BDL		CLEAR/LIGHT BREEZE
23-04-2025	24-04-2025	49	31	17	BDL		CLEAR/LIGHT BREEZE
24-04-2025	25-04-2025	63	40	29	BDL		CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	81	50	35	BDL		CLEAR/CALM
16-04-2025	17-04-2025	76	47	33	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		
02-04-2025	03-04-2025	76	46	29	BDL		CLEAR/CALM
16-04-2025	17-04-2025	72	44	28	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

A. Anupama

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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

COAL STOCK YARD / WEIGH BRIDGE			NAUF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
27-04-2025	28-04-2025	372	220	CLEAR/WINDY



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C , O &G: IS 3025 Part 39 & BOD: IS 3025 (Part-44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: NBOW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-04-2025	8.06	18	28	BDL
19-04-2025	7.86	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: NAUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	46.8	44.4
APRIL'25	25-04-2025	45.7	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (SAONER): NSNUN4			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	44.3	42.8
APRIL'25	25-04-2025	43.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

KOTODI VILLAGE NAUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	43.4	40.8
APRIL'25	25-04-2025	43.2	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

PATHAKAKHEDI GP OFFICE NAUN3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	42.7	40.7
APRIL'25	25-04-2025	42.7	40.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/APRIL-25/4		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-04-25 TO 15-05-25	

NEAR PIT NO.6 / MANAGER OFFICE NIOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
06-04-2025	07-04-2025	380	216	58	43	22
20-04-2025	21-04-2025	374	209	56	41	18
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
06-04-2025	07-04-2025	367	209	55	39	22
20-04-2025	21-04-2025	362	203	53	38	18
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
07-04-2025	08-04-2025	373	211	54	39	21
21-04-2025	22-04-2025	369	206	51	37	17
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 $\mu\text{g}/\text{m}^3$)				
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	ENVIRONMENT CONDITIONS (Sky/Wind)
04-04-2025	05-04-2025	72	45	31	BDL	CLOUDY/CALM
05-04-2025	06-04-2025	68	42	29	BDL	CLEAR/WINDY
11-04-2025	12-04-2025	56	34	19	BDL	CLOUDY/CALM
12-04-2025	13-04-2025	71	43	32	BDL	CLEAR/CALM
18-04-2025	19-04-2025	66	42	29	BDL	CLEAR/LIGHT BREEZE
19-04-2025	20-04-2025	62	39	27	BDL	CLOUDY/CALM
25-04-2025	26-04-2025	51	30	17	BDL	CLEAR/LIGHT BREEZE
26-04-2025	27-04-2025	67	41	31	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 $\mu\text{g}/\text{m}^3$)				
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	ENVIRONMENT CONDITIONS (Sky/Wind)
04-04-2025	05-04-2025	80	51	36	BDL	CLOUDY/CALM
05-04-2025	06-04-2025	77	47	34	BDL	CLEAR/WINDY
11-04-2025	12-04-2025	65	39	28	BDL	CLOUDY/CALM
12-04-2025	13-04-2025	80	49	38	BDL	CLEAR/CALM
18-04-2025	19-04-2025	73	49	34	BDL	CLEAR/LIGHT BREEZE
19-04-2025	20-04-2025	72	44	32	BDL	CLOUDY/CALM
25-04-2025	26-04-2025	60	36	26	BDL	CLEAR/LIGHT BREEZE
26-04-2025	27-04-2025	76	47	37	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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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24				
SAMPLE DESCRIPTION	Air sample(Fugitive)				
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-04-25 TO 15-05-25	

COAL STOCK YARD NIOF1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	5	5		
21-04-2025	22-04-2025	381	232	CLEAR/WINDY	

CHP NIOF2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	5	5		
20-04-2025	21-04-2025	387	233	CLEAR/WINDY	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C , O & G: IS 3025 Part 39 & BOD: IS 3025 (Part-44)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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
06-04-2025	7.92	44	56	BDL
20-04-2025	7.76	24	36	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
06-04-2025	8.32	20	32	BDL
20-04-2025	8.05	34	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

RC OFFICE: NION1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	45.5	43.4
APRIL'25	25-04-2025	44.6	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP NKCNI			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	68.8	67.4
APRIL'25	25-04-2025	67.6	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY KAMPTEE NKCNI2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	44.7	42.4
APRIL'25	25-04-2025	43.7	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE NKCNI3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	41.7	40.6
APRIL'25	25-04-2025	42.8	41.1
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



APRIL 2025

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/2	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS 5182 Part 23, PM2.5: IS 5182 Part-24, NO2: IS 5182 Part-06, SO2: IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

NEAR MANAGER OFFICE NBOA1							
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	
07-04-2025	08-04-2025	372	213	58	43	21	CLEAR/LIGHT BREEZE
21-04-2025	22-04-2025	367	207	56	42	17	CLEAR/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	
02-04-2025	03-04-2025	73	45	30	BDL	CLOUDY/CALM
03-04-2025	04-04-2025	70	43	29	BDL	CLOUDY/CALM
09-04-2025	10-04-2025	57	34	20	BDL	CLOUDY/CALM
10-04-2025	11-04-2025	71	44	32	BDL	CLEAR/LIGHT BREEZE
16-04-2025	17-04-2025	68	42	28	BDL	CLEAR/LIGHT BREEZE
17-04-2025	18-04-2025	66	41	28	BDL	CLEAR/LIGHT BREEZE
23-04-2025	24-04-2025	52	31	18	BDL	CLEAR/LIGHT BREEZE
24-04-2025	25-04-2025	65	41	30	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	
02-04-2025	03-04-2025	75	47	33	BDL	CLOUDY/CALM
03-04-2025	04-04-2025	71	45	31	BDL	CLOUDY/CALM
09-04-2025	10-04-2025	58	37	23	BDL	CLOUDY/CALM
10-04-2025	11-04-2025	73	44	33	BDL	CLEAR/LIGHT BREEZE
16-04-2025	17-04-2025	69	44	31	BDL	CLEAR/LIGHT BREEZE
17-04-2025	18-04-2025	65	43	30	BDL	CLEAR/LIGHT BREEZE
23-04-2025	24-04-2025	51	35	21	BDL	CLEAR/LIGHT BREEZE
24-04-2025	25-04-2025	68	41	31	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	
02-04-2025	03-04-2025	74	46	31	BDL	CLOUDY/CALM
03-04-2025	04-04-2025	70	43	30	BDL	CLOUDY/CALM
09-04-2025	10-04-2025	58	35	22	BDL	CLOUDY/CALM
10-04-2025	11-04-2025	72	46	34	BDL	CLEAR/LIGHT BREEZE
16-04-2025	17-04-2025	69	43	29	BDL	CLEAR/LIGHT BREEZE
17-04-2025	18-04-2025	64	40	28	BDL	CLEAR/LIGHT BREEZE
23-04-2025	24-04-2025	52	32	20	BDL	CLEAR/LIGHT BREEZE
24-04-2025	25-04-2025	66	44	33	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

COAL STOCK YARD NR. WB1 NBOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
22-04-2025	23-04-2025	373	213	CLEAR/WINDY



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C, O & G: IS 3025 Part 39 & BOD: IS 3025 (Part-44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
07-04-2025	8.09	16	28	BDL
21-04-2025	7.75	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: NBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-04-2025	8.09	38	48	BDL
21-04-2025	7.91	34	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
13-04-2025	38	12
21-04-2025	36	11.4
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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NOISE LEVEL MONITORING DATA

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

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	44.4	43.3
APRIL'25	25-04-2025	45.6	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BINA VILLAGE		NBON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	42.2	40.5
APRIL'25	25-04-2025	42.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DORLI VILLAGE		NSON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	42.4	40.4
APRIL'25	25-04-2025	43.4	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

SOHALI VILLAGE:		NSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	41.8	40.2
APRIL'25	25-04-2025	41.1	40.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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DUMRI RAILWAY SIDING

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/5	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

DUMRI KHURD NDRSA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
07-04-2025	08-04-2025	376	215	57	42	21
21-04-2025	22-04-2025	371	209	54	40	17
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120

NANDGAON VILLAGE NDRSA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-04-2025	05-04-2025	80	49	36	BDL	CLOUDY/CALM
05-04-2025	06-04-2025	76	48	35	BDL	CLEAR/WINDY
11-04-2025	12-04-2025	63	40	28	BDL	CLOUDY/CALM
12-04-2025	13-04-2025	78	47	36	BDL	CLOUDY/CALM
18-04-2025	19-04-2025	74	46	34	BDL	CLEAR/LIGHT BREEZE
19-04-2025	20-04-2025	70	46	34	BDL	CLOUDY/CALM
25-04-2025	26-04-2025	56	38	26	BDL	CLEAR/LIGHT BREEZE
26-04-2025	27-04-2025	73	44	34	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

KERDI VILLAGE NDRSA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-04-2025	05-04-2025	82	51	36	BDL	CLOUDY/CALM
05-04-2025	06-04-2025	79	48	35	BDL	CLEAR/WINDY
11-04-2025	12-04-2025	66	40	30	BDL	CLOUDY/CALM
12-04-2025	13-04-2025	80	50	39	BDL	CLOUDY/CALM
18-04-2025	19-04-2025	77	48	34	BDL	CLEAR/LIGHT BREEZE
19-04-2025	20-04-2025	75	46	34	BDL	CLOUDY/CALM
25-04-2025	26-04-2025	60	37	28	BDL	CLEAR/LIGHT BREEZE
26-04-2025	27-04-2025	74	47	37	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

STATION MANAGER OFFICE NDSF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
21-04-2025	22-04-2025	380	222	CLEAR/WINDY



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NOISE LEVEL MONITORING DATA

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

STATION MANAGER OFFICE		NKCNI	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	44.8	42.6
APRIL'25	25-04-2025	44.2	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NANDGAON VILLAGE		NKCNI2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	42.5	40.9
APRIL'25	25-04-2025	42.9	40.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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NAGPUR AREA

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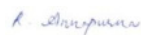
TEST REPORT NO.	RIN/TR/APRIL-25/3	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part-24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-04-2025	07-04-2025	371	211	57	42	21	CLEAR/CALM
20-04-2025	21-04-2025	366	205	54	40	17	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MAREmber 2000		600	300	-	120	120	

GONDEGAON VILLAGE SCHOOL NGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-04-2025	05-04-2025	78	50	35	BDL	CLOUDY/CALM	
05-04-2025	06-04-2025	75	46	34	BDL	CLEAR/WINDY	
11-04-2025	12-04-2025	63	38	27	BDL	CLOUDY/CALM	
12-04-2025	13-04-2025	77	49	37	BDL	CLEAR/CALM	
18-04-2025	19-04-2025	71	48	33	BDL	CLEAR/LIGHT BREEZE	
19-04-2025	20-04-2025	69	43	32	BDL	CLOUDY/CALM	
25-04-2025	26-04-2025	57	35	25	BDL	CLEAR/LIGHT BREEZE	
26-04-2025	27-04-2025	71	47	36	BDL	CLEAR/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

COLONY GUEST HOUSE/FILTER PLANT				NGOA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-04-2025	07-04-2025	365	208	54	38	22	CLEAR/CALM
20-04-2025	21-04-2025	360	202	51	36	18	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MAREmber 2000		600	300	-	120	120	

GHATROHNA VILLAGE NGOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-04-2025	05-04-2025	78	48	34	BDL	CLOUDY/CALM
05-04-2025	06-04-2025	73	45	32	BDL	CLEAR/WINDY
11-04-2025	12-04-2025	61	37	25	BDL	CLOUDY/CALM
12-04-2025	13-04-2025	75	47	36	BDL	CLEAR/CALM
18-04-2025	19-04-2025	74	46	33	BDL	CLEAR/LIGHT BREEZE
19-04-2025	20-04-2025	67	42	30	BDL	CLOUDY/CALM
25-04-2025	26-04-2025	55	34	23	BDL	CLEAR/LIGHT BREEZE
26-04-2025	27-04-2025	69	45	35	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

CHP NGOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
20-04-2025	21-04-2025	382	225	CLEAR/WINDY


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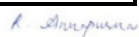
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C , O &G: IS 3025 Part 39 & BOD: IS 3025 (Part-44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
06-04-2025	8.12	56	64	BDL
20-04-2025	7.63	22	32	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
06-04-2025	8.18	22	36	BDL
20-04-2025	8.24	32	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP:		NGOW	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
13-04-2025	32	11.4	
20-04-2025	30	10.8	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30	



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NOISE LEVEL MONITORING DATA

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

CHP		NGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	69.6	68.2
APRIL'25	25-04-2025	70.8	68.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GONDEGAON VILLAGE/COLONY		NGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	43.1	41.5
APRIL'25	25-04-2025	43.5	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE:		NKC3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	41.7	40.6
APRIL'25	25-04-2025	42.8	41.1
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



APRIL 2025

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TEST REPORT NO.	RIN/TR/APRIL-25/6	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM _{2.5} : IS 5182 Part-24, NO ₂ : IS 5182 Part-06, SO ₂ :IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
13-04-2025	14-04-2025	370	210	55	41	22	CLEAR/MODERATE BREEZE
27-04-2025	28-04-2025	365	204	52	39	18	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MAREmber 2000		600	300	-	120	120	

SADBHAVANA NAGAR (FILTER PLANT) NPTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	78	49	34	BDL		CLEAR/CALM
16-04-2025	17-04-2025	74	47	33	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

NEAR LCH QR. NPTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	74	44	29	BDL		CLEAR/CALM
16-04-2025	17-04-2025	69	41	27	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

SAVARMENDHA /TANDULWADI VILLAGE. NPTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	84	52	37	BDL		CLEAR/CALM
16-04-2025	17-04-2025	79	49	35	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
27-04-2025	28-04-2025	384	226	

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C , O & G: IS 3025 Part 39 & BOD: IS 3025 (Part-44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
03-04-2025	8.05	20	32	BDL
19-04-2025	7.72	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NPTUW2			
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
13-04-2025	32	10.8	
19-04-2025	34	11.4	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30	

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NOISE LEVEL MONITORING DATA

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

FAN HOUSE		NPTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	70.7	69.4
APRIL'25	25-04-2025	68.7	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SADBHAVNA NAGAR FILTER PLANT		NPTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	10-04-2025	43.1	42.6
APRIL'25	25-04-2025	43.8	42.1
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
APRIL'25	10-04-2025	43.2	41.7
APRIL'25	25-04-2025	43.5	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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NAGPUR AREA

WESTERN COALFIELDS LTD.

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APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/8	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

C.M OFFICE-SAONER-I UG NSNUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
02-04-2025	03-04-2025	368	210	54	41	22
16-04-2025	17-04-2025	364	204	51	39	18
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 $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
02-04-2025	03-04-2025	375	215	55	42	21
16-04-2025	17-04-2025	370	209	52	40	17
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	
02-04-2025	03-04-2025	81	50	35	BDL	CLEAR/CALM
16-04-2025	17-04-2025	76	47	33	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	
02-04-2025	03-04-2025	76	46	29	BDL	CLEAR/CALM
16-04-2025	17-04-2025	72	44	28	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part-24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

RAILWAY SIDING NSNUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
27-04-2025	28-04-2025	377	221	CLEAR/WINDY

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C , O & G: IS 3025 Part 39 & BOD: IS 3025 (Part-44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
03-04-2025	7.87	16	24	BDL
19-04-2025	7.57	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE II UG: NSNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-04-2025	8.16	18	24	BDL
19-04-2025	7.81	22	32	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
03-04-2025	8.15	24	32	BDL
19-04-2025	7.47	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NSNUW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
13-04-2025	30	10.8
23-04-2025	32	10.2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



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NOISE LEVEL MONITORING DATA

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

FAN HOUSE-I: NSNUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	71.2	69.7
APRIL'25	25-04-2025	70.3	68.6
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
APRIL'25	10-04-2025	70.8	69.2
APRIL'25	25-04-2025	71.1	68.3
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
APRIL'25	10-04-2025	71.1	69.3
APRIL'25	25-04-2025	70.4	67.6
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
APRIL'25	10-04-2025	44.3	42.8
APRIL'25	25-04-2025	43.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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TEST REPORT NO.	RIN/TR/APRIL-25/9	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

WATER FILTER FLANT NSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-04-2025	09-04-2025	378	216	56	42	21	CLEAR/LIGHT BREEZE
22-04-2025	23-04-2025	373	210	53	40	17	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

V.T.C. SILEWARA NSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-04-2025	09-04-2025	374	214	55	41	22	CLEAR/LIGHT BREEZE
22-04-2025	23-04-2025	370	208	52	39	18	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

MANDIR NEAR KANHAN RIVER NSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-04-2025	09-04-2025	80	49	34	BDL	CLEAR/LIGHT BREEZE	
22-04-2025	23-04-2025	76	47	33	BDL	CLEAR/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

CHANKAPUR PUMP HOUSE/ COLONY NSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-04-2025	09-04-2025	76	46	30	BDL	CLEAR/LIGHT BREEZE	
22-04-2025	23-04-2025	71	43	28	BDL	CLEAR/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C, O & G: IS 3025 Part 39 & BOD: IS 3025 (Part-44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

MINE WATER DISCHARGE:		NSUW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-04-2025	7.94	20	28	BDL
22-04-2025	7.61	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: NSUW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
13-04-2025	34	12
24-04-2025	36	11.4
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30

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NOISE LEVEL MONITORING DATA

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

FAN HOUSE: NSUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	70.5	68.1
APRIL'25	25-04-2025	70.2	68.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SILEWARA): NSUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	43.2	42.1
APRIL'25	25-04-2025	43.4	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/APRIL-25/10	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part-24, NO ₂ : IS 5182 Part-06, SO ₂ :IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

MANAGER OFFICE NSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-04-2025	08-04-2025	381	217	58	44	22	CLEAR/LIGHT BREEZE
21-04-2025	22-04-2025	376	211	56	43	18	CLEAR/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		
02-04-2025	03-04-2025	78	49	34	BDL	CLOUDY/CALM	
03-04-2025	04-04-2025	74	47	34	BDL	CLOUDY/CALM	
09-04-2025	10-04-2025	61	39	26	BDL	CLOUDY/CALM	
10-04-2025	11-04-2025	76	47	35	BDL	CLEAR/LIGHT BREEZE	
16-04-2025	17-04-2025	72	46	32	BDL	CLEAR/LIGHT BREEZE	
17-04-2025	18-04-2025	68	45	33	BDL	CLEAR/LIGHT BREEZE	
23-04-2025	24-04-2025	54	37	24	BDL	CLEAR/LIGHT BREEZE	
24-04-2025	25-04-2025	70	44	33	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		
02-04-2025	03-04-2025	75	49	33	BDL	CLOUDY/CALM	
03-04-2025	04-04-2025	72	44	30	BDL	CLOUDY/CALM	
09-04-2025	10-04-2025	61	37	24	BDL	CLOUDY/CALM	
10-04-2025	11-04-2025	74	46	34	BDL	CLEAR/LIGHT BREEZE	
16-04-2025	17-04-2025	68	47	31	BDL	CLEAR/LIGHT BREEZE	
17-04-2025	18-04-2025	67	41	28	BDL	CLEAR/LIGHT BREEZE	
23-04-2025	24-04-2025	57	34	23	BDL	CLEAR/LIGHT BREEZE	
24-04-2025	25-04-2025	68	43	32	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		
02-04-2025	03-04-2025	74	46	31	BDL	CLOUDY/CALM	
03-04-2025	04-04-2025	70	43	30	BDL	CLOUDY/CALM	
09-04-2025	10-04-2025	58	35	22	BDL	CLOUDY/CALM	
10-04-2025	11-04-2025	72	46	34	BDL	CLEAR/LIGHT BREEZE	
16-04-2025	17-04-2025	69	43	29	BDL	CLEAR/LIGHT BREEZE	
17-04-2025	18-04-2025	64	40	28	BDL	CLEAR/LIGHT BREEZE	
23-04-2025	24-04-2025	52	32	20	BDL	CLEAR/LIGHT BREEZE	
24-04-2025	25-04-2025	66	44	33	BDL	CLEAR/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

NEAR COAL STOCK YARD		NSOF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)	
		SPM	PM ₁₀
FROM	TO	S	S
22-04-2025	23-04-2025	365	210
		ENVIRONMENT CONDITIONS (Sky/Wind)	
		CLEAR/WINDY	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C, O & G: IS 3025 Part 39 & BOD: IS 3025 (Part-44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: NSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-04-2025	8.18	24	32	BDL
21-04-2025	7.83	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: NSOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-04-2025	7.82	20	32	BDL
21-04-2025	7.69	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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NOISE LEVEL MONITORING DATA

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

CONTRACTOR CAMP: NSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	44.7	42.7
APRIL'25	25-04-2025	44.9	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SOHALI VILLAGE: NSON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	41.8	40.2
APRIL'25	25-04-2025	41.1	40.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DORLI VILLAGE: NSON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	42.4	40.4
APRIL'25	25-04-2025	43.4	41.6
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/APRIL-25/7	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

MANAGER OFFICE NWUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
13-04-2025	14-04-2025	362	207	54	39	21	CLEAR/MODERATE BREEZE
27-04-2025	28-04-2025	356	200	52	37	17	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MAREmber 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	81	50	35	BDL		CLEAR/CALM
16-04-2025	17-04-2025	76	47	33	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C, O & G: IS 3025 Part 39 & BOD: IS 3025 (Part-44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: NWUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-04-2025	7.87	22	32	BDL
19-04-2025	7.77	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE		NWUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	46.3	44.7
APRIL'25	25-04-2025	45.5	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

TRANSIT HOTEL		NWUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	43.8	42.2
APRIL'25	25-04-2025	44.6	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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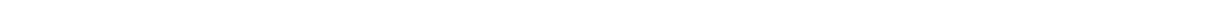


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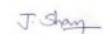
TEST REPORT NO.	RIN/TR/APRIL-25/11	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

MANAGER OFFICE UM30A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-04-2025	04-04-2025	301	195	52	17	14	Cloudy sky / Calm
19-04-2025	20-04-2025	325	203	57	22	16	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR RLY. WEIGHT BRIDGE UM30A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-04-2025	04-04-2025	318	210	56	20	15	Cloudy sky / Calm
19-04-2025	20-04-2025	299	195	53	16	13	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIPARDOL VILLAGE UM30A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	81	25	7	BDL		Clear sky / Calm
03-04-2025	04-04-2025	85	29	9	BDL		Clear sky / Calm
08-04-2025	09-04-2025	87	26	8	BDL		Clear sky / Calm
09-04-2025	10-04-2025	90	32	10	BDL		Clear sky / Calm
16-04-2025	17-04-2025	89	28	9	BDL		Clear sky/Light breeze
17-04-2025	18-04-2025	92	33	12	10		Clear sky/Light breeze
23-04-2025	24-04-2025	91	30	11	BDL		Clear sky/Light breeze
24-04-2025	25-04-2025	95	34	13	11		Clear sky/Light breeze
NAAQS, 2009		100	60	80	80		

WELSAKARA VILLAGE UM30A4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	87	29	8	BDL		Clear sky / Calm
03-04-2025	04-04-2025	89	31	10	BDL		Clear sky / Calm
08-04-2025	09-04-2025	91	28	7	BDL		Clear sky / Calm
09-04-2025	10-04-2025	93	30	10	BDL		Clear sky / Calm
16-04-2025	17-04-2025	90	27	9	BDL		Clear sky/Light breeze
17-04-2025	18-04-2025	92	31	10	BDL		Clear sky/Light breeze
23-04-2025	24-04-2025	89	29	8	BDL		Clear sky/Light breeze
24-04-2025	25-04-2025	94	32	11	10		Clear sky/Light breeze
NAAQS, 2009		100	60	80	80		



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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C, O & G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-04-25 TO 15-05-25

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
03-04-2025	7.88	26	44	BDL
19-04-2025	7.79	28	36	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
03-04-2025	7.57	21	28	BDL
19-04-2025	7.72	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

PIT OFFICE		UGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	09-04-2025	64.6	58.5
APRIL'25	24-04-2025	64.0	59.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

HEOTI VILLAGE:		UM1ON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	09-04-2025	48.1	43.2
APRIL'25	24-04-2025	47.6	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

GOKUL OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/11	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

CONTRACTOR CAMP UGOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
04-04-2025	05-04-2025	312	210	57	23	15
20-04-2025	21-04-2025	301	200	53	19	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

BESUR VILLAGE UGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-04-2025	05-04-2025	87	27	7	BDL	Clear sky / Calm
05-04-2025	06-04-2025	89	29	8	BDL	Clear sky / Calm
10-04-2025	11-04-2025	91	31	11	BDL	Clear sky / Calm
11-04-2025	12-04-2025	90	32	12	10	Clear sky / Calm
18-04-2025	19-04-2025	88	28	8	BDL	Clear sky / Light breeze
19-04-2025	20-04-2025	92	33	13	11	Clear sky / Light breeze
25-04-2025	26-04-2025	86	25	7	BDL	Clear sky / Light breeze
26-04-2025	27-04-2025	93	34	14	12	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

NAND VILLAGE UGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-04-2025	05-04-2025	85	25	7	BDL	Clear sky / Calm
05-04-2025	06-04-2025	92	30	10	BDL	Clear sky / Calm
10-04-2025	11-04-2025	89	28	9	BDL	Clear sky / Calm
11-04-2025	12-04-2025	84	26	7	BDL	Clear sky / Calm
18-04-2025	19-04-2025	93	32	11	BDL	Clear sky / Light breeze
19-04-2025	20-04-2025	87	28	9	BDL	Clear sky / Light breeze
25-04-2025	26-04-2025	90	30	8	BDL	Clear sky / Light breeze
26-04-2025	27-04-2025	92	32	12	10	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

POLGAON VILLAGE UGOA4						
DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-04-2025	05-04-2025	88	23	7	BDL	Clear sky / Calm
05-04-2025	06-04-2025	90	31	9	BDL	Clear sky / Calm
10-04-2025	11-04-2025	92	34	11	BDL	Clear sky / Calm
11-04-2025	12-04-2025	94	32	12	10	Clear sky / Calm
18-04-2025	19-04-2025	87	28	8	BDL	Clear sky / Light breeze
19-04-2025	20-04-2025	89	29	9	BDL	Clear sky / Light breeze
25-04-2025	26-04-2025	93	30	11	BDL	Clear sky / Light breeze
26-04-2025	27-04-2025	95	35	13	11	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

NEAR VIEW POINT UGOA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04-04-2025	05-04-2025	295	178	50	14	11	Cloudy sky / Calm
20-04-2025	21-04-2025	286	167	46	12	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,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C ,O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

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
04-04-2025	7.81	31	40	BDL
20-04-2025	7.75	33	44	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
04-04-2025	7.54	27	32	BDL
20-04-2025	7.68	19	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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

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

PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	64.6	60.5
APRIL'25	24-04-2025	63.3	61.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CONTRACTOR CAMP: UGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	59.8	53.4
APRIL'25	24-04-2025	60.4	52.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

POLGAON VILLAGE: UGON3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	48.5	43.7
APRIL'25	24-04-2025	49.5	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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APRIL 2025



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/14	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

NEAR MANAGER OFFICE UMOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
02-04-2025	03-04-2025	5	5	2	6	10
18-04-2025	19-04-2025	322	207	54	18	14
		298	188	50	15	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

SAM OFFICE UMOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
03-04-2025	04-04-2025	5	5	2	6	10
19-04-2025	20-04-2025	302	195	55	17	12
		290	182	49	14	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

KANWA VILLAGE UUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-04-2025	05-04-2025	5	2	6	10	Clear sky / Calm
05-04-2025	06-04-2025	89	29	9	BDL	
10-04-2025	11-04-2025	91	31	11	BDL	Clear sky / Calm
11-04-2025	12-04-2025	90	30	10	BDL	Clear sky / Calm
18-04-2025	19-04-2025	87	28	8	BDL	Clear sky / Calm
19-04-2025	20-04-2025	93	34	14	11	Clear sky / Light breeze
25-04-2025	26-04-2025	86	26	7	BDL	Clear sky / Light breeze
26-04-2025	27-04-2025	91	29	11	BDL	Clear sky / Light breeze
		93	32	12	10	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY UUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-04-2025	05-04-2025	5	2	6	10	Clear sky / Calm
05-04-2025	06-04-2025	86	27	8	BDL	
10-04-2025	11-04-2025	90	32	11	BDL	Clear sky / Calm
11-04-2025	12-04-2025	92	33	13	BDL	Clear sky / Calm
18-04-2025	19-04-2025	93	31	10	BDL	Clear sky / Calm
19-04-2025	20-04-2025	90	29	9	BDL	Clear sky / Light breeze
25-04-2025	26-04-2025	89	30	10	BDL	Clear sky / Light breeze
26-04-2025	27-04-2025	91	31	12	10	Clear sky / Light breeze
		94	33	13	11	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	



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

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

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
APRIL'25	09-04-2025	64.2	60.2
APRIL'25	24-04-2025	65.5	59.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/34	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
02-04-2025	03-04-2025	325	211	56	24	17	
18-04-2025	19-04-2025	305	205	50	18	14	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

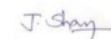
KALMANA VILLAGE		UM10A2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
02-04-2025	03-04-2025	88	29	7	BDL	Clear sky/Calm
03-04-2025	04-04-2025	86	25	6	BDL	Clear sky/Calm
08-04-2025	09-04-2025	90	31	10	BDL	Clear sky/Calm
09-04-2025	10-04-2025	89	28	8	BDL	Clear sky/Calm
16-04-2025	17-04-2025	92	32	11	BDL	Clear sky/Light breeze
17-04-2025	18-04-2025	91	30	9	BDL	Clear sky/Light breeze
23-04-2025	24-04-2025	94	33	12	10	Clear sky/Light breeze
24-04-2025	25-04-2025	90	29	9	BDL	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

SIRPUR VILLAGE		UM10A3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
02-04-2025	03-04-2025	85	25	6	BDL	Clear sky/Calm
03-04-2025	04-04-2025	87	27	7	BDL	Clear sky/Calm
08-04-2025	09-04-2025	90	32	9	BDL	Clear sky/Calm
09-04-2025	10-04-2025	88	28	8	BDL	Clear sky/Calm
16-04-2025	17-04-2025	91	33	11	BDL	Clear sky/Light breeze
17-04-2025	18-04-2025	92	30	10	BDL	Clear sky/Light breeze
23-04-2025	24-04-2025	89	27	9	BDL	Clear sky/Light breeze
24-04-2025	25-04-2025	93	33	12	10	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

KHURSAPUR VILLAGE UM10A4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-04-2025	03-04-2025	87	26	8	BDL	Clear sky/Calm
03-04-2025	04-04-2025	89	28	10	BDL	Clear sky/Calm
08-04-2025	09-04-2025	91	32	11	BDL	Clear sky/Calm
09-04-2025	10-04-2025	93	34	13	10	Clear sky/Calm
16-04-2025	17-04-2025	90	28	8	BDL	Clear sky/Light breeze
17-04-2025	18-04-2025	88	29	9	BDL	Clear sky/Light breeze
23-04-2025	24-04-2025	91	30	12	BDL	Clear sky/Light breeze
24-04-2025	25-04-2025	92	31	10	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	
02-04-2025	03-04-2025	89	30	7	BDL	Clear sky/Calm
03-04-2025	04-04-2025	91	32	9	BDL	Clear sky/Calm
08-04-2025	09-04-2025	87	28	6	BDL	Clear sky/Calm
09-04-2025	10-04-2025	92	29	10	BDL	Clear sky/Calm
16-04-2025	17-04-2025	88	30	9	BDL	Clear sky/Light breeze
17-04-2025	18-04-2025	90	31	10	BDL	Clear sky/Light breeze
23-04-2025	24-04-2025	92	33	11	BDL	Clear sky/Light breeze
24-04-2025	25-04-2025	94	35	13	11	Clear sky/Light breeze
NAAQS, 2009		100	60	80	80	

SUBSTATION UM10A6						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	
FROM	TO	5	5	2	6	10
03-04-2025	04-04-2025	318	200	55	19	14
19-04-2025	20-04-2025	299	185	48	15	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120



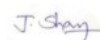
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C ,O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

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
03-04-2025	7.79	32	44	BDL
19-04-2025	7.81	25	32	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
03-04-2025	7.5	16	24	BDL
19-04-2025	7.57	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

PIT OFFICE: UM10N1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	09-04-2025	65.7	61.8
APRIL'25	24-04-2025	64.4	63.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	09-04-2025	47.9	42.6
APRIL'25	24-04-2025	48.4	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	09-04-2025	48.1	43.2
APRIL'25	24-04-2025	47.6	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

MORPAR UG

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/15	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

NEAR PIT OFFICE UMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-04-2025	06-04-2025	298	187	50	15	12	Cloudy sky / Calm
21-04-2025	22-04-2025	275	166	47	12	10	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-04-2025	06-04-2025	285	178	46	13	11	Cloudy sky / Calm
21-04-2025	22-04-2025	270	156	43	11	10	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MURPAR UG) UMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-04-2025	06-04-2025	87	30	11	BDL		Cloudy sky / Calm
21-04-2025	22-04-2025	89	32	12	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-04-2025	06-04-2025	90	33	13	BDL		Cloudy sky / Calm
21-04-2025	22-04-2025	92	34	14	BDL		Cloudy sky / Calm
NAAQS, 2009		100	60	80	80		

J. Chav
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Yogesh
Yogesh Pidurkar
Reviewed by

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Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

UMRER OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

Environment Laboratory

CMPDI

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

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/APRIL-25/16		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-04-25 TO 15-05-25	

UMRER MANAGER OFFICE UUA01						
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
02-04-2025	03-04-2025	5	5	2	6	10
18-04-2025	19-04-2025	327	208	59	22	17
18-04-2025	19-04-2025	297	188	52	18	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						
Cloudy sky / Calm						
Clear sky / Calm						

NEAR WORKSHOP UUA02						
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
02-04-2025	03-04-2025	5	5	2	6	10
18-04-2025	19-04-2025	308	200	53	17	14
18-04-2025	19-04-2025	289	175	49	15	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
ENVIRONMENT CONDITIONS (Sky/Wind)						
Cloudy sky / Calm						
Clear sky / Calm						

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	
04-04-2025	05-04-2025	5	2	6	10	Clear sky / Calm
05-04-2025	06-04-2025	89	29	9	BDL	Clear sky / Calm
10-04-2025	11-04-2025	91	31	11	BDL	Clear sky / Calm
11-04-2025	12-04-2025	90	30	10	BDL	Clear sky / Calm
18-04-2025	19-04-2025	87	28	8	BDL	Clear sky / Calm
19-04-2025	20-04-2025	93	34	14	11	Clear sky / Light breeze
25-04-2025	26-04-2025	86	26	7	BDL	Clear sky / Light breeze
26-04-2025	27-04-2025	91	29	11	BDL	Clear sky / Light breeze
26-04-2025	27-04-2025	93	32	12	10	Clear sky / Light breeze
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	
04-04-2025	05-04-2025	5	2	6	10	Clear sky / Calm
05-04-2025	06-04-2025	86	27	8	BDL	Clear sky / Calm
10-04-2025	11-04-2025	90	32	11	BDL	Clear sky / Calm
11-04-2025	12-04-2025	92	33	13	BDL	Clear sky / Calm
18-04-2025	19-04-2025	93	31	10	BDL	Clear sky / Calm
19-04-2025	20-04-2025	90	29	9	BDL	Clear sky / Light breeze
25-04-2025	26-04-2025	89	30	10	BDL	Clear sky / Light breeze
26-04-2025	27-04-2025	91	31	12	10	Clear sky / Light breeze
26-04-2025	27-04-2025	94	33	13	11	Clear sky / Light breeze
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

WEIGH BRIDGE UUOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
20-04-2025	21-04-2025	365	263	Clear sky / Light breeze

RAILWAY SIDING UUOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
20-04-2025	21-04-2025	370	251	Clear sky / Light breeze

CHP UUOF3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
20-04-2025	21-04-2025	357	240	Clear sky / Light breeze



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C ,O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: UUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-04-2025	8.02	28	36	BDL
18-04-2025	7.71	32	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
02-04-2025	7.72	19	24	BDL
18-04-2025	7.75	23	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: UUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
02-04-2025	25	11.6
18-04-2025	29	10.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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NOISE LEVEL MONITORING DATA

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

CHP:		UUON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	68.4	61.9
APRIL'25	24-04-2025	67.0	63.1
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
APRIL'25	09-04-2025	50.3	44.3
APRIL'25	24-04-2025	51.3	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

GHUGUS OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/APRIL-25/17	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

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	
08-04-2025	09-04-2025	334	215	65	24	14	CLEAR/LIGHT BREEZE
22-04-2025	23-04-2025	288	201	61	19	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE WGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-04-2025	09-04-2025	295	199	62	20	BDL	CLEAR/LIGHT BREEZE
22-04-2025	23-04-2025	342	219	66	24	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

RAM NAGAR COLONY WGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-04-2025	03-04-2025	89	29	14	BDL		CLEAR/LIGHT BREEZE
03-04-2025	04-04-2025	74	31	16	BDL		CLEAR/LIGHT BREEZE
09-04-2025	10-04-2025	67	34	18	10		CLEAR/LIGHT BREEZE
10-04-2025	11-04-2025	92	42	15	BDL		CLEAR/LIGHT BREEZE
16-04-2025	17-04-2025	70	42	15	BDL		CLEAR/CALM
17-04-2025	18-04-2025	76	37	16	12		CLEAR/CALM
23-04-2025	24-04-2025	83	46	17	BDL		CLEAR/CALM
24-04-2025	25-04-2025	87	41	16	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

GHUGUS VILLAGE (GP OFFICE) WGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-04-2025	03-04-2025	90	42	16	BDL		CLEAR/LIGHT BREEZE
03-04-2025	04-04-2025	75	39	14	BDL		CLEAR/LIGHT BREEZE
09-04-2025	10-04-2025	87	35	15	BDL		CLEAR/LIGHT BREEZE
10-04-2025	11-04-2025	73	37	17	11		CLEAR/LIGHT BREEZE
16-04-2025	17-04-2025	69	30	18	12		CLEAR/CALM
17-04-2025	18-04-2025	78	34	15	BDL		CLEAR/CALM
23-04-2025	24-04-2025	82	40	16	BDL		CLEAR/CALM
24-04-2025	25-04-2025	77	38	15	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
21-04-2025	22-04-2025	433	253	CLEAR/CALM

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	
21-04-2025	22-04-2025	452	263	CLEAR/CALM



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

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

CHP: WGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	07-04-2025	67.4	66.2
APRIL'25	20-04-2025	67.6	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	07-04-2025	45.4	44.2
APRIL'25	20-04-2025	45.5	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

KOLGAON OC

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APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/APRIL-25/18	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

MANAGER OFFICE				WKOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-04-2025	08-04-2025	325	214	65	22	13	CLEAR/LIGHTBREEZE
21-04-2025	22-04-2025	278	191	59	20	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE				WMOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-04-2025	08-04-2025	297	203	62	19	BDL	CLEAR/LIGHTBREEZE
21-04-2025	22-04-2025	325	218	65	25	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

KOLGAON VILLAGE						WKOA3
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-04-2025	05-04-2025	75	34	16	BDL	CLEAR/LIGHTBREEZE
05-04-2025	06-04-2025	70	40	15	BDL	CLEAR/LIGHTBREEZE
11-04-2025	12-04-2025	82	39	18	12	CLEAR/LIGHTBREEZE
12-04-2025	13-04-2025	76	29	15	BDL	CLEAR/LIGHTBREEZE
18-04-2025	19-04-2025	69	35	17	11	CLEAR/CALM
19-04-2025	20-04-2025	78	42	15	BDL	CLEAR/CALM
25-04-2025	26-04-2025	71	34	14	BDL	CLEAR/CALM
26-04-2025	27-04-2025	83	42	16	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

KAILSHNAGAR TOWNSHIP - FILTER PLANT				WMOA3		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-04-2025	05-04-2025	89	41	14	BDL	CLEAR/LIGHTBREEZE
05-04-2025	06-04-2025	76	33	15	BDL	CLEAR/LIGHTBREEZE
11-04-2025	12-04-2025	75	29	18	11	CLEAR/LIGHTBREEZE
12-04-2025	13-04-2025	70	36	14	BDL	CLEAR/LIGHTBREEZE
18-04-2025	19-04-2025	78	40	16	BDL	CLEAR/CALM
19-04-2025	20-04-2025	86	36	17	10	CLEAR/CALM
25-04-2025	26-04-2025	91	44	18	12	CLEAR/CALM
26-04-2025	27-04-2025	74	30	15	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

W BRIDGE: WGKF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
20-04-2025	21-04-2025	448	242	CLEAR/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,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C ,O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
07-04-2025	7.4	46	36	BDL
18-04-2025	7.63	52	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE:		WKON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	07-04-2025	52.7	51.4
APRIL'25	20-04-2025	53.5	52.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI):		WKON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	07-04-2025	44.7	43.4
APRIL'25	20-04-2025	44.1	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

MUGOLI OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/19	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

SUBSTATION WMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-04-2025	08-04-2025	298	194	59	20	BDL	CLEAR/LIGHTBREEZE
21-04-2025	22-04-2025	342	219	64	24	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE WMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-04-2025	08-04-2025	297	203	62	19	BDL	CLEAR/LIGHTBREEZE
21-04-2025	22-04-2025	325	218	65	25	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

KAILSHNAGAR TOWNSHIP - FILTER PLANT WMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-04-2025	05-04-2025	89	41	14	BDL	CLEAR/LIGHTBREEZE	
05-04-2025	06-04-2025	76	33	15	BDL	CLEAR/LIGHTBREEZE	
11-04-2025	12-04-2025	75	29	18	11	CLEAR/LIGHTBREEZE	
12-04-2025	13-04-2025	70	36	14	BDL	CLEAR/LIGHTBREEZE	
18-04-2025	19-04-2025	78	40	16	BDL	CLEAR/CALM	
19-04-2025	20-04-2025	86	36	17	10	CLEAR/CALM	
25-04-2025	26-04-2025	91	44	18	12	CLEAR/CALM	
26-04-2025	27-04-2025	74	30	15	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

TUBEWELL NEAR SAKHARA VILLAGE WMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-04-2025	05-04-2025	83	43	16	BDL	CLEAR/LIGHTBREEZE	
05-04-2025	06-04-2025	74	29	14	BDL	CLEAR/LIGHTBREEZE	
11-04-2025	12-04-2025	80	33	15	BDL	CLEAR/LIGHTBREEZE	
12-04-2025	13-04-2025	78	35	17	BDL	CLEAR/LIGHTBREEZE	
18-04-2025	19-04-2025	82	37	18	12	CLEAR/CALM	
19-04-2025	20-04-2025	70	31	16	BDL	CLEAR/CALM	
25-04-2025	26-04-2025	90	44	14	BDL	CLEAR/CALM	
26-04-2025	27-04-2025	77	37	18	11	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

SECURITY CHECK POST WMOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
20-04-2025	21-04-2025	453	258	CLEAR/CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C ,O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
07-04-2025	6.63	48	40	BDL
19-04-2025	6.92	56	44	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
07-04-2025	6.68	40	32	BDL
19-04-2025	6.58	52	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP: WMON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	07-04-2025	65.7	64.2
APRIL'25	20-04-2025	64.8	63.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI): WMON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	07-04-2025	44.7	43.4
APRIL'25	20-04-2025	44.1	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/APRIL-25/20		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-04-25 TO 15-05-25	

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
08-04-2025	09-04-2025	321	211	64	24	11
22-04-2025	23-04-2025	277	182	61	19	BDL
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

WORKSHOP ETP NOCM WNGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
08-04-2025	09-04-2025	314	193	58	20	BDL
22-04-2025	23-04-2025	339	216	65	23	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

BELLORA REHABILITATION VILLAGE WNGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-04-2025	03-04-2025	70	34	16	BDL	CLEAR/LIGHT BREEZE
03-04-2025	04-04-2025	75	35	18	BDL	CLEAR/LIGHT BREEZE
09-04-2025	10-04-2025	81	41	17	11	CLEAR/LIGHT BREEZE
10-04-2025	11-04-2025	73	32	15	BDL	CLEAR/LIGHT BREEZE
16-04-2025	17-04-2025	67	30	14	12	CLEAR/CALM
17-04-2025	18-04-2025	86	37	13	BDL	CLEAR/CALM
23-04-2025	24-04-2025	71	33	15	BDL	CLEAR/CALM
24-04-2025	25-04-2025	90	41	14	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

FILTER PLANT NEAR VIP GUEST HOUSE WNGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-04-2025	03-04-2025	81	33	14	BDL	CLEAR/LIGHT BREEZE
03-04-2025	04-04-2025	77	41	15	BDL	CLEAR/LIGHT BREEZE
09-04-2025	10-04-2025	82	40	17	12	CLEAR/LIGHT BREEZE
10-04-2025	11-04-2025	74	32	18	12	CLEAR/LIGHT BREEZE
16-04-2025	17-04-2025	69	32	15	BDL	CLEAR/CALM
17-04-2025	18-04-2025	79	34	16	11	CLEAR/CALM
23-04-2025	24-04-2025	84	41	14	BDL	CLEAR/CALM
24-04-2025	25-04-2025	73	35	14	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	


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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

WEIGHT BRIDGE WNGOF1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	5	5		
21-04-2025	22-04-2025	464	247		CLEAR/CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C ,O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-04-2025	4.97	38	24	BDL
23-04-2025	5.32	42	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-04-2025	6.55	34	28	BDL
23-04-2025	6.84	48	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

CHP: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	07-04-2025	65.3	64.2
APRIL'25	20-04-2025	65.5	64.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	07-04-2025	45.4	44.2
APRIL'25	20-04-2025	45.5	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/APRIL-25/21	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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
08-04-2025	09-04-2025	308	197	62	21	11
22-04-2025	23-04-2025	342	230	66	23	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

WORKSHOP ETP NOCM WNOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
08-04-2025	09-04-2025	314	193	58	20	BDL
22-04-2025	23-04-2025	339	216	65	23	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120

NILJAI COLONY WNOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-04-2025	05-04-2025	81	42	16	11	CLEAR/LIGHTBREEZE
05-04-2025	06-04-2025	87	33	14	BDL	CLEAR/LIGHTBREEZE
11-04-2025	12-04-2025	74	40	15	BDL	CLEAR/LIGHTBREEZE
12-04-2025	13-04-2025	69	37	18	BDL	CLEAR/LIGHTBREEZE
18-04-2025	19-04-2025	74	39	15	BDL	CLEAR/CALM
19-04-2025	20-04-2025	78	28	14	10	CLEAR/CALM
25-04-2025	26-04-2025	91	44	16	BDL	CLEAR/CALM
26-04-2025	27-04-2025	85	34	17	12	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

TARODA VILLAGE WNOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM_{10}	$\text{PM}_{2.5}$	NO_2	SO_2	
FROM	TO	5	2	6	10	
04-04-2025	05-04-2025	78	35	15	BDL	CLEAR/LIGHTBREEZE
05-04-2025	06-04-2025	86	37	16	BDL	CLEAR/LIGHTBREEZE
11-04-2025	12-04-2025	82	42	14	BDL	CLEAR/LIGHTBREEZE
12-04-2025	13-04-2025	70	33	16	BDL	CLEAR/LIGHTBREEZE
18-04-2025	19-04-2025	76	38	14	11	CLEAR/CALM
19-04-2025	20-04-2025	71	36	15	BDL	CLEAR/CALM
25-04-2025	26-04-2025	68	30	18	12	CLEAR/CALM
26-04-2025	27-04-2025	79	37	17	10	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

WEIGHT BRIDGE WNOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
21-04-2025	22-04-2025	479	246	CLEAR/CALM

CHP WNOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
21-04-2025	22-04-2025	465	238	CLEAR/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,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C ,O & G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: WNOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-04-2025	6.57	36	28	BDL
19-04-2025	6.95	50	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	.	100	250	10

ETP(NILJAI-S)TREATED WATER: WNOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-04-2025	6.36	38	28	BDL
19-04-2025	7.28	46	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)T.WATER: WNOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS
	TSS (in mg/l) BOD(in mg/l)
DETECTION LIMIT	10 2
08-04-2025	68 11.4
19-04-2025	74 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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

CHP-NILJAI:		WNON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	07-04-2025	67.2	66.4
APRIL'25	20-04-2025	65.4	64.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP-NILJAI(S):		WNON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	07-04-2025	66.5	65.3
APRIL'25	20-04-2025	66.5	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(NILJAI):		WNON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	07-04-2025	45.0	44.3
APRIL'25	20-04-2025	43.8	42.5
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



APRIL 2025

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

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/APRIL-25/23		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-04-25 TO 15-05-25	

MANAGER OFFICE WPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-04-2025	08-04-2025	318	187	58	22	12	CLEAR/LIGHTBREEZE
21-04-2025	22-04-2025	343	200	66	24	14	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE WPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-04-2025	08-04-2025	288	172	58	20	BDL	CLEAR/LIGHTBREEZE
21-04-2025	22-04-2025	308	193	63	24	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

VIRUR VILLAGE WPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-04-2025	05-04-2025	84	36	15	BDL		CLEAR/LIGHTBREEZE
05-04-2025	06-04-2025	76	39	18	12		CLEAR/LIGHTBREEZE
11-04-2025	12-04-2025	89	42	17	BDL		CLEAR/LIGHTBREEZE
12-04-2025	13-04-2025	70	33	16	BDL		CLEAR/LIGHTBREEZE
18-04-2025	19-04-2025	79	41	18	11		CLEAR/CALM
19-04-2025	20-04-2025	75	34	14	BDL		CLEAR/CALM
25-04-2025	26-04-2025	82	33	15	BDL		CLEAR/CALM
26-04-2025	27-04-2025	77	29	17	12		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

GADEGAON VILLAGE WPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-04-2025	05-04-2025	66	30	15	BDL		CLEAR/LIGHTBREEZE
05-04-2025	06-04-2025	72	42	14	BDL		CLEAR/LIGHTBREEZE
11-04-2025	12-04-2025	86	37	16	BDL		CLEAR/LIGHTBREEZE
12-04-2025	13-04-2025	90	42	17	11		CLEAR/LIGHTBREEZE
18-04-2025	19-04-2025	81	34	15	BDL		CLEAR/CALM
19-04-2025	20-04-2025	75	31	18	10		CLEAR/CALM
25-04-2025	26-04-2025	79	38	15	BDL		CLEAR/CALM
26-04-2025	27-04-2025	80	44	16	10		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

KARGIL SECURITY CHECK POST WPOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
20-04-2025	21-04-2025	458	243	CLEAR/CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C ,O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
08-04-2025	7.28	46	32	BDL
18-04-2025	7.87	50	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

NEAR WORKSHOP: WPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	07-04-2025	55.2	54.4
APRIL'25	20-04-2025	55.4	54.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

GHONSA OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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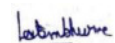
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/APRIL-25/23	DATE OF ISSUE	25-05-2025		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4 , PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-04-25 TO 15-05-25	

PROJECT MANAGER OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-04-2025	09-04-2025	287	197	51	16	12	CLEAR/LIGHT BREEZE
22-04-2025	23-04-2025	263	172	47	13	10	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE/ CANTEEN WNKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-04-2025	09-04-2025	240	157	37	12	10	CLEAR/LIGHT BREEZE
22-04-2025	23-04-2025	266	182	45	16	12	CLEAR/LIGHT 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		
04-04-2025	05-04-2025	78	25	8	BDL	CLEAR/LIGHT BREEZE	
05-04-2025	06-04-2025	82	30	10	BDL	CLEAR/CALM	
11-04-2025	12-04-2025	62	19	8	BDL	CLEAR/LIGHT BREEZE	
12-04-2025	13-04-2025	70	21	9	BDL	CLEAR/LIGHT BREEZE	
18-04-2025	19-04-2025	88	29	9	BDL	CLEAR/LIGHT BREEZE	
19-04-2025	20-04-2025	57	18	8	BDL	CLEAR/CALM	
25-04-2025	26-04-2025	68	20	8	BDL	CLEAR/LIGHT BREEZE	
26-04-2025	27-04-2025	77	24	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		
04-04-2025	05-04-2025	79	24	9	BDL	CLEAR/LIGHT BREEZE	
05-04-2025	06-04-2025	68	20	7	BDL	CLEAR/CALM	
11-04-2025	12-04-2025	88	30	10	BDL	CLEAR/LIGHT BREEZE	
12-04-2025	13-04-2025	73	27	7	BDL	CLEAR/LIGHT BREEZE	
18-04-2025	19-04-2025	84	34	8	BDL	CLEAR/LIGHT BREEZE	
19-04-2025	20-04-2025	65	18	7	BDL	CLEAR/CALM	
25-04-2025	26-04-2025	76	23	9	BDL	CLEAR/LIGHT BREEZE	
26-04-2025	27-04-2025	82	29	10	BDL	CLEAR/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

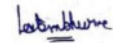


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24rd Edition) 5220 C , O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
13-04-2025	8.03	28	44	BDL
27-04-2025	7.86	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
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		WNGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	54.3	51.1
APRIL'25	24-04-2025	59.6	58.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (GHONSA)		WNGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	42.1	40.3
APRIL'25	24-04-2025	44.2	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7102
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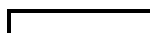
TEST REPORT NO.	RIN/TR/APRIL-25/24	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4 , PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

SAM OFFICE WNJOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
13-04-2025	14-04-2025	257	162	44	13	10	CLEAR/LIGHT BREEZE
27-04-2025	28-04-2025	281	197	52	15	13	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

BORGAN VILLAGE WNJOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-04-2025	05-04-2025	66	17	8	BDL	CLEAR/LIGHT BREEZE
05-04-2025	06-04-2025	72	22	9	BDL	CLEAR/CALM
11-04-2025	12-04-2025	82	27	10	BDL	CLEAR/LIGHT BREEZE
12-04-2025	13-04-2025	64	18	7	BDL	CLEAR/LIGHT BREEZE
18-04-2025	19-04-2025	72	23	8	BDL	CLEAR/LIGHT BREEZE
19-04-2025	20-04-2025	77	27	7	BDL	CLEAR/CALM
25-04-2025	26-04-2025	69	20	7	BDL	CLEAR/LIGHT BREEZE
26-04-2025	27-04-2025	73	24	10	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

BHALAR TOWNSHIP WNUOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-04-2025	05-04-2025	86	30	10	BDL	CLEAR/LIGHT BREEZE
05-04-2025	06-04-2025	71	27	8	BDL	CLEAR/CALM
11-04-2025	12-04-2025	82	30	10	BDL	CLEAR/LIGHT BREEZE
12-04-2025	13-04-2025	88	33	11	BDL	CLEAR/LIGHT BREEZE
18-04-2025	19-04-2025	91	36	11	BDL	CLEAR/LIGHT BREEZE
19-04-2025	20-04-2025	68	19	7	BDL	CLEAR/CALM
25-04-2025	26-04-2025	76	22	8	BDL	CLEAR/LIGHT BREEZE
26-04-2025	27-04-2025	87	29	9	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

UKNI VILLAGE WNUOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
07-04-2025	08-04-2025	79	28	9	BDL	CLEAR/MODERATE BREEZE
21-04-2025	22-04-2025	64	18	7	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

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	
17-04-2025	18-04-2025	399	286	



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report	
SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24rd Edition) 5220 C , O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
13-04-2025	7.29	32	48	BDL
27-04-2025	7.51	26	40	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
13-04-2025	6.96	22	36	BDL
27-04-2025	7.38	32	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
APRIL'25	07-04-2025	53.6	51.2
APRIL'25	20-04-2025	55.3	52.2
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
APRIL'25	07-04-2025	44.3	42.2
APRIL'25	20-04-2025	43.4	41.3
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



APRIL 2025

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/25	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4 , PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
13-04-2025	14-04-2025	324	231	58	20	16	CLEAR/LIGHT BREEZE
27-04-2025	28-04-2025	297	201	47	18	12	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	
13-04-2025	14-04-2025	309	210	49	15	11	CLEAR/LIGHT BREEZE
27-04-2025	28-04-2025	281	190	40	13	10	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		
02-04-2025	03-04-2025	82	26	9	BDL	CLOUDY/LIGHT BREEZE	
03-04-2025	04-04-2025	77	22	7	BDL	CLOUDY/LIGHT BREEZE	
09-04-2025	10-04-2025	89	28	10	BDL	CLEAR/LIGHT BREEZE	
10-04-2025	11-04-2025	70	24	9	BDL	CLEAR/LIGHT BREEZE	
16-04-2025	17-04-2025	67	19	7	BDL	CLEAR/CALM	
17-04-2025	18-04-2025	75	23	9	BDL	CLEAR/CALM	
23-04-2025	24-04-2025	68	18	8	BDL	CLEAR/CALM	
24-04-2025	25-04-2025	70	26	8	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

WATER FILTER PLANT PRAGATI NAGAR WNKO A4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-04-2025	03-04-2025	89	30	9	BDL	CLOUDY/LIGHT BREEZE	
03-04-2025	04-04-2025	92	34	10	BDL	CLOUDY/LIGHT BREEZE	
09-04-2025	10-04-2025	84	27	10	BDL	CLEAR/LIGHT BREEZE	
10-04-2025	11-04-2025	90	30	9	BDL	CLEAR/LIGHT BREEZE	
16-04-2025	17-04-2025	75	24	8	BDL	CLEAR/CALM	
17-04-2025	18-04-2025	83	28	10	BDL	CLEAR/CALM	
23-04-2025	24-04-2025	71	25	9	BDL	CLEAR/CALM	
24-04-2025	25-04-2025	88	29	11	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		


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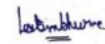
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

CHP WNKOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
22-04-2025	23-04-2025	453	321	CLEAR/CALM

WEIGH BRIDGE WNKOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
22-04-2025	23-04-2025	437	311	CLEAR/CALM

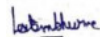


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24rd Edition) 5220 C , O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: WNKOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-04-2025	7.90	24	40	BDL
23-04-2025	7.73	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

CHP: WNKON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	07-04-2025	68.2	65.5
APRIL'25	20-04-2025	69.0	67.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	07-04-2025	42.7	40.4
APRIL'25	20-04-2025	42.4	40.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



APRIL 2025

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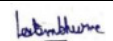
TEST REPORT NO.	RIN/TR/APRIL-25/27	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4 , PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
13-04-2025	14-04-2025	319	215	55	18	15	CLEAR/LIGHT BREEZE
27-04-2025	28-04-2025	281	176	47	15	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

WORKSHOP WNPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
13-04-2025	14-04-2025	286	192	47	15	11	CLEAR/LIGHT BREEZE
27-04-2025	28-04-2025	254	164	41	13	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

WATER FILTER PLANT PRAGATI NAGAR WNKOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	89	30	9	BDL		CLOUDY/LIGHT BREEZE
03-04-2025	04-04-2025	92	34	10	BDL		CLOUDY/LIGHT BREEZE
09-04-2025	10-04-2025	84	27	10	BDL		CLEAR/LIGHT BREEZE
10-04-2025	11-04-2025	90	30	9	BDL		CLEAR/LIGHT BREEZE
16-04-2025	17-04-2025	75	24	8	BDL		CLEAR/CALM
17-04-2025	18-04-2025	83	28	10	BDL		CLEAR/CALM
23-04-2025	24-04-2025	71	25	9	BDL		CLEAR/CALM
24-04-2025	25-04-2025	88	29	11	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

BORGAN VILLAGE WNJOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-04-2025	05-04-2025	66	17	8	BDL		CLEAR/LIGHT BREEZE
05-04-2025	06-04-2025	72	22	9	BDL		CLEAR/CALM
11-04-2025	12-04-2025	82	27	10	BDL		CLEAR/LIGHT BREEZE
12-04-2025	13-04-2025	64	18	7	BDL		CLEAR/LIGHT BREEZE
18-04-2025	19-04-2025	72	23	8	BDL		CLEAR/LIGHT BREEZE
19-04-2025	20-04-2025	77	27	7	BDL		CLEAR/CALM
25-04-2025	26-04-2025	69	20	7	BDL		CLEAR/LIGHT BREEZE
26-04-2025	27-04-2025	73	24	10	BDL		CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		



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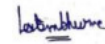
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

WEIGH BRIDGE WNPOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
17-04-2025	18-04-2025	419	305	CLEAR/LIGHT BREEZE

CHP WNPOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
17-04-2025	18-04-2025	432	312	CLEAR/LIGHT BREEZE



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NOISE LEVEL MONITORING DATA

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

CHP: WNPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	07-04-2025	58.1	55.4
APRIL'25	20-04-2025	64.2	60.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	07-04-2025	42.7	40.4
APRIL'25	20-04-2025	42.4	40.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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WANI NORTH AREA

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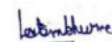
TEST REPORT NO.	RIN/TR/APRIL-25/28	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

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	
08-04-2025	09-04-2025	271	184	35	14	11	CLEAR/LIGHT BREEZE
22-04-2025	23-04-2025	294	199	46	18	13	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE WNRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-04-2025	09-04-2025	255	167	40	15	12	CLEAR/LIGHT BREEZE
22-04-2025	23-04-2025	268	182	44	16	13	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

PIT OFFICE WNRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
13-04-2025	14-04-2025	291	198	47	18	15	CLEAR/LIGHT BREEZE
27-04-2025	28-04-2025	247	155	42	14	10	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		
07-04-2025	08-04-2025	87	29	12	BDL	CLEAR/LIGHT BREEZE	
21-04-2025	22-04-2025	74	24	10	BDL	CLEAR/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		



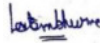
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

WEIGH BRIDGE WNUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
21-04-2025	22-04-2025	410	289	

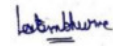


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24rd Edition) 5220 C , O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
13-04-2025	7.76	22	32	BDL
27-04-2025	7.61	28	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	68.4	66.3
APRIL'25	24-04-2025	71.3	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	44.1	42.2
APRIL'25	24-04-2025	43.5	42.8
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



APRIL 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/APRIL-25/29		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25	

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	
13-04-2025	14-04-2025	275	182	42	14	12	CLEAR/LIGHT BREEZE
27-04-2025	28-04-2025	293	197	51	18	15	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		
04-04-2025	05-04-2025	86	30	10	BDL	CLEAR/LIGHT BREEZE	
05-04-2025	06-04-2025	71	27	8	BDL	CLEAR/CALM	
11-04-2025	12-04-2025	82	30	10	BDL	CLEAR/LIGHT BREEZE	
12-04-2025	13-04-2025	88	33	11	BDL	CLEAR/LIGHT BREEZE	
18-04-2025	19-04-2025	91	36	11	BDL	CLEAR/LIGHT BREEZE	
19-04-2025	20-04-2025	68	19	7	BDL	CLEAR/CALM	
25-04-2025	26-04-2025	76	22	8	BDL	CLEAR/LIGHT BREEZE	
26-04-2025	27-04-2025	87	29	9	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		
07-04-2025	08-04-2025	79	28	9	BDL	CLEAR/MODERATE BREEZE	
21-04-2025	22-04-2025	64	18	7	BDL	CLEAR/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

PIMPRI VILLAGE WNKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-04-2025	03-04-2025	82	26	9	BDL	CLOUDY/LIGHT BREEZE	
03-04-2025	04-04-2025	77	22	7	BDL	CLOUDY/LIGHT BREEZE	
09-04-2025	10-04-2025	89	28	10	BDL	CLEAR/LIGHT BREEZE	
10-04-2025	11-04-2025	70	24	9	BDL	CLEAR/LIGHT BREEZE	
16-04-2025	17-04-2025	67	19	7	BDL	CLEAR/CALM	
17-04-2025	18-04-2025	75	23	9	BDL	CLEAR/CALM	
23-04-2025	24-04-2025	68	18	8	BDL	CLEAR/CALM	
24-04-2025	25-04-2025	70	26	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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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

WEIGH BRIDGE				WNUOF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
23-04-2025	24-04-2025	439	319	CLEAR/LIGHT BREEZE

CHP		WNOF2		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
23-04-2025	24-04-2025	444	337	CLEAR/LIGHT BREEZE



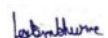
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24rd Edition) 5220 C , O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-04-25 TO 15-05-25

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
13-04-2025	7.07	24	36	BDL
27-04-2025	7.30	28	44	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
13-04-2025	7.51	24	40	BDL
27-04-2025	7.58	30	40	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
13-04-2025	26	12
27-04-2025	28	14
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30


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

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

CHP: WNUON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	07-04-2025	67.6	66.1
APRIL'25	20-04-2025	68.1	65.2
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
APRIL'25	07-04-2025	44.3	42.2
APRIL'25	20-04-2025	43.4	41.3
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



APRIL 2025

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/30	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4 , PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

VITTALWADI WNRSA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
04-04-2025	05-04-2025	89	29	9	BDL	CLEAR/LIGHT BREEZE
05-04-2025	06-04-2025	77	24	8	BDL	CLEAR/CALM
11-04-2025	12-04-2025	91	32	11	BDL	CLEAR/LIGHT BREEZE
12-04-2025	13-04-2025	84	27	10	BDL	CLEAR/LIGHT BREEZE
18-04-2025	19-04-2025	93	33	11	BDL	CLEAR/LIGHT BREEZE
19-04-2025	20-04-2025	72	24	8	BDL	CLEAR/CALM
25-04-2025	26-04-2025	83	26	9	BDL	CLEAR/LIGHT BREEZE
26-04-2025	27-04-2025	87	28	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 $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
04-04-2025	05-04-2025	77	22	9	BDL	CLEAR/LIGHT BREEZE
05-04-2025	06-04-2025	65	18	8	BDL	CLEAR/CALM
11-04-2025	12-04-2025	89	28	10	BDL	CLEAR/LIGHT BREEZE
12-04-2025	13-04-2025	72	24	9	BDL	CLEAR/LIGHT BREEZE
18-04-2025	19-04-2025	86	30	11	BDL	CLEAR/LIGHT BREEZE
19-04-2025	20-04-2025	70	27	8	BDL	CLEAR/CALM
25-04-2025	26-04-2025	91	32	10	BDL	CLEAR/LIGHT BREEZE
26-04-2025	27-04-2025	83	25	10	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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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

NEAR RAILWAY SIDING				WNRSF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
23-04-2025	24-04-2025	427	315	CLEAR/LIGHT BREEZE



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NOISE LEVEL MONITORING DATA

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

Residential Area Near Railway siding WNRSN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	10-04-2025	43.4	41.2
APRIL'25	24-04-2025	45.8	44.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NEAR INCHARGE OFFICE: WNRSN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	10-04-2025	56.8	53.3
APRIL'25	24-04-2025	57.8	56.2
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



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/67	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

MANAGER OFFICE KAOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-04-2025	08-04-2025	283	175	45	18	13	Clear sky / Calm
22-04-2025	23-04-2025	295	185	52	20	15	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE KAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-04-2025	08-04-2025	275	165	47	15	13	Clear sky / Calm
22-04-2025	23-04-2025	280	170	49	17	12	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER KMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-04-2025	04-04-2025	80	22	7	BDL		Clear sky / Calm
04-04-2025	05-04-2025	83	25	8	BDL		Clear sky / Calm
10-04-2025	11-04-2025	85	27	9	BDL		Clear sky / Calm
11-04-2025	12-04-2025	87	29	10	BDL		Clear sky / Calm
18-04-2025	19-04-2025	90	31	11	BDL		Clear sky / Calm
19-04-2025	20-04-2025	93	33	13	10		Clear sky / Calm
28-04-2025	29-04-2025	91	32	10	BDL		Clear sky / Calm
29-04-2025	30-04-2025	92	31	12	BDL		Clear sky / Calm
NAAQS, 2009		100	60	80	80		

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-04-2025	04-04-2025	81	23	7	BDL		Clear sky / Calm
04-04-2025	05-04-2025	84	27	7	BDL		Clear sky / Calm
10-04-2025	11-04-2025	86	29	9	BDL		Clear sky / Calm
11-04-2025	12-04-2025	85	26	7	BDL		Clear sky / Calm
18-04-2025	19-04-2025	88	28	8	BDL		Clear sky / Calm
19-04-2025	20-04-2025	90	32	10	BDL		Clear sky / Calm
28-04-2025	29-04-2025	93	31	12	10		Clear sky / Calm
29-04-2025	30-04-2025	95	34	13	11		Clear sky / Calm
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C ,O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-04-25 TO 15-05-25

MINE WATER DISCHARGE: KAOW				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-04-2025	4.91	38	52	BDL
28-04-2025	4.88	32	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
APRIL'25	08-04-2025	44.7	40.1
APRIL'25	28-04-2025	45.4	43.6
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
APRIL'25	08-04-2025	43.9	40.7
APRIL'25	28-04-2025	43.6	41.2
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



APRIL 2025

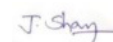
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/APRIL-25/69	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
06-04-2025	07-04-2025	303	189	54	18	14	Clear sky / Calm
22-04-2025	23-04-2025	295	202	58	20	16	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	
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NOISE LEVEL MONITORING DATA

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

WORK SHOP PREMISES:		KAWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	08-04-2025	44.1	42.3
APRIL'25	28-04-2025	44.2	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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ENVIRONMENTAL MONITORING REPORT

GHORAWARI OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



APRIL 2025

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

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/APRIL-25/70		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2: IS 5182 Part-2			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-04-25 TO 15-05-25	

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	
14-04-2025	15-04-2025	311	203	50	20	15	Clear sky / Calm
22-04-2025	23-04-2025	326	212	52	22	17	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI KJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
14-04-2025	15-04-2025	295	198	48	16	14	Clear sky / Calm
23-04-2025	24-04-2025	303	208	53	18	15	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA KJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-04-2025	04-04-2025	82	24	8	BDL	Clear sky / Calm	
04-04-2025	05-04-2025	84	26	7	BDL	Clear sky / Calm	
10-04-2025	11-04-2025	87	29	8	BDL	Clear sky / Calm	
11-04-2025	12-04-2025	90	31	10	BDL	Clear sky / Calm	
18-04-2025	19-04-2025	89	28	9	BDL	Clear sky / Calm	
19-04-2025	20-04-2025	91	30	11	BDL	Clear sky / Calm	
28-04-2025	29-04-2025	94	32	12	10	Clear sky / Calm	
29-04-2025	30-04-2025	93	33	14	11	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

PANARA VILLAGE KJUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-04-2025	04-04-2025	81	23	7	BDL	Clear sky / Calm	
04-04-2025	05-04-2025	83	25	8	BDL	Clear sky / Calm	
10-04-2025	11-04-2025	85	27	9	BDL	Clear sky / Calm	
11-04-2025	12-04-2025	88	30	10	BDL	Clear sky / Calm	
18-04-2025	19-04-2025	91	32	13	11	Clear sky / Calm	
19-04-2025	20-04-2025	93	33	11	BDL	Clear sky / Calm	
28-04-2025	29-04-2025	90	29	12	10	Clear sky / Calm	
29-04-2025	30-04-2025	94	34	11	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

		WEIGH BRIDGE		KGUF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
27-04-2025	28-04-2025	354	240	Clear sky / Calm



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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE:		KGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	08-04-2025	44.9	41.3
APRIL'25	28-04-2025	44.1	41.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(JHARNA):		KGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	08-04-2025	40.9	38.2
APRIL'25	28-04-2025	42.8	40.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MOHAN/ MAORI UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/72	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

SAM OFFICE KMUA1							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
14-04-2025	15-04-2025	320	203	57	17	15	Clear sky / Calm
23-04-2025	24-04-2025	335	220	59	19	17	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE MOHAN KMUA2							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-04-2025	08-04-2025	311	195	55	16	14	Clear sky / Calm
23-04-2025	24-04-2025	325	210	58	18	16	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER KMUA3							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-04-2025	04-04-2025	80	22	7	BDL		Clear sky / Calm
04-04-2025	05-04-2025	83	25	8	BDL		Clear sky / Calm
10-04-2025	11-04-2025	85	27	9	BDL		Clear sky / Calm
11-04-2025	12-04-2025	87	29	10	BDL		Clear sky / Calm
18-04-2025	19-04-2025	90	31	11	BDL		Clear sky / Calm
19-04-2025	20-04-2025	93	33	13	10		Clear sky / Calm
28-04-2025	29-04-2025	91	32	10	BDL		Clear sky / Calm
29-04-2025	30-04-2025	92	31	12	BDL		Clear sky / Calm
NAAQS, 2009		100	60	80	80		

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-04-2025	04-04-2025	81	23	7	BDL		Clear sky / Calm
04-04-2025	05-04-2025	84	27	7	BDL		Clear sky / Calm
10-04-2025	11-04-2025	86	29	9	BDL		Clear sky / Calm
11-04-2025	12-04-2025	85	26	7	BDL		Clear sky / Calm
18-04-2025	19-04-2025	88	28	8	BDL		Clear sky / Calm
19-04-2025	20-04-2025	90	32	10	BDL		Clear sky / Calm
28-04-2025	29-04-2025	93	31	12	10		Clear sky / Calm
29-04-2025	30-04-2025	95	34	13	11		Clear sky / Calm
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

MANAGER OFFICE CHP				KAUF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
28-04-2025	29-04-2025	367	252	Clear Sky Calm

PALACHURI KAUF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
29-04-2025	30-04-2025	328	212	Clear Sky Calm

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C ,O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: KAOW				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-04-2025	4.73	34	48	BDL
28-04-2025	4.64	30	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	08-04-2025	69.9	67.3
APRIL'25	28-04-2025	70.3	68.2
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
APRIL'25	08-04-2025	43.9	40.7
APRIL'25	28-04-2025	43.6	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NANDAN UG

KANHAN AREA

WESTERN COALFIELDS LTD.

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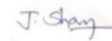
TEST REPORT NO.	RIN/TR/APRIL-25/73	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2: IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
06-04-2025	07-04-2025	320	211	53	20	17	Clear sky / Calm
21-04-2025	22-04-2025	330	221	56	25	19	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE NANADAN II UG KNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-04-2025	07-04-2025	301	203	56	17	14	Clear sky / Calm
21-04-2025	22-04-2025	312	213	58	19	16	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HEALTH CENTER-NANADAN UG KNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-04-2025	07-04-2025	90	34	10	BDL	Clear sky / Calm	
21-04-2025	22-04-2025	92	36	11	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

NANDAN WATER FILTER PLANT KNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-04-2025	07-04-2025	93	33	14	BDL	Clear sky / Calm	
21-04-2025	22-04-2025	89	30	12	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

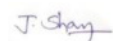


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C ,O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

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
06-04-2025	7.05	29	44	BDL
23-04-2025	7.1	27	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE UG II: KNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	08-04-2025	70.1	68.2
APRIL'25	28-04-2025	68.3	65.4
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
APRIL'25	08-04-2025	42.7	40.3
APRIL'25	28-04-2025	43.5	41.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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SHARDA UG

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/APRIL-25/74a	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

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	
05-04-2025	06-04-2025	313	195	50	18	15	Clear sky / Calm
20-04-2025	21-04-2025	326	205	55	22	17	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

UMARIA FADALI VILLAGE KSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-04-2025	06-04-2025	90	32	10	BDL		Clear sky / Calm
20-04-2025	21-04-2025	93	34	12	BDL		Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		100	60	80	80		

TATARWADA VILLAGE KSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-04-2025	06-04-2025	89	28	9	BDL		Clear sky / Calm
20-04-2025	21-04-2025	91	30	11	BDL		Clear sky / Calm
NAAQS, 2009		100	60	80	80		

JAMUNBADA DARBAR VILLAGE KSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-04-2025	06-04-2025	88	29	8	BDL		Clear sky / Calm
20-04-2025	21-04-2025	92	31	10	BDL		Clear sky / Calm
NAAQS, 2009		100	60	80	80		

STORE KSUA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-04-2025	06-04-2025	288	175	51	14	11	Clear sky / Calm
20-04-2025	21-04-2025	275	164	46	13	10	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

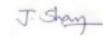
J. Shetty
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

		WEIGH BRIDGE	KSUF1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	5	5		
21-04-2025	22-04-2025	340	231	Clear sky / Calm	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C ,O &G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-04-25 TO 15-05-25

MINE WATER DISCHARGE: KSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-04-2025	7.29	26	32	BDL
20-04-2025	7.35	22	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

NEAR PIT OFFICE		KSUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	08-04-2025	45.2	42.3
APRIL'25	28-04-2025	46.3	44.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

UMARIA FADALI VILLAGE		KSUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	08-04-2025	42.3	40.2
APRIL'25	28-04-2025	42.8	39.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

TATARWADA VILLAGE		KSUN3	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	08-04-2025	43.8	41.3
APRIL'25	28-04-2025	42.4	40.3
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



APRIL 2025

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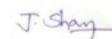
TEST REPORT NO.	RIN/TR/APRIL-25/74	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
08-04-2025	09-04-2025	330	213	59	23	18	Clear sky / Calm
27-04-2025	28-04-2025	318	220	54	20	16	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

LAMP ROOM KTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-04-2025	09-04-2025	301	202	57	17	13	Clear sky / Calm
27-04-2025	28-04-2025	291	194	53	15	12	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY NEAR HEALTH CENTER KTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-04-2025	09-04-2025	87	26	8	BDL	Clear sky / Calm	
27-04-2025	28-04-2025	92	30	11	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

JET HOSTEL KTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-04-2025	09-04-2025	86	28	9	BDL	Clear sky / Calm	
27-04-2025	28-04-2025	90	32	10	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		



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NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		KTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	08-04-2025	70.5	67.2
APRIL'25	25-04-2025	69.8	67.6
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
APRIL'25	08-04-2025	41.7	38.5
APRIL'25	25-04-2025	42.2	39.1
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



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/APRIL-25/76		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25	

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	
13-04-2025	14-04-2025	78	28	16	11	CLEAR/CALM
25-04-2025	26-04-2025	89	39	18	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	

AGM OFFICE PKSUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
13-04-2025	14-04-2025	79	32	15	BDL	CLEAR/CALM
25-04-2025	26-04-2025	85	40	16	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	

PATHAKHERA COLONY PKSUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
13-04-2025	14-04-2025	73	35	16	11	CLEAR/CALM
25-04-2025	26-04-2025	82	43	18	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	



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NOISE LEVEL MONITORING DATA

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

COLONY(SARNI):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	44.1	41.7
APRIL'25	25-04-2025	43.9	42.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

AREA HOSPITAL		PKSUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	42.3	40.9
APRIL'25	25-04-2025	44.3	41.6
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



APRIL 2025

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TEST REPORT NO.	RIN/TR/APRIL-25/75	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2: IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

CANTEEN BUILDING PKCUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-04-2025	10-04-2025	298	189	58	20	10	CLEAR /CALM
24-04-2025	25-04-2025	314	208	65	22	12	CLEAR /CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

UNIT STORE PKCUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-04-2025	10-04-2025	288	184	57	19	BDL	CLEAR /CALM
24-04-2025	25-04-2025	316	212	63	23	10	CLEAR /CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

REGIONAL WORKSHOP PKCUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
09-04-2025	10-04-2025	78	42	16	BDL		CLEAR /CALM
24-04-2025	25-04-2025	91	38	18	11		CLEAR /CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		100	60	80	80		

CHATTARPUR VILLAGE PKCUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
09-04-2025	10-04-2025	80	32	17	BDL		CLEAR /CALM
24-04-2025	25-04-2025	88	40	15	BDL		CLEAR /CALM
		100	60	80	80		


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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

COAL STOCK BUNKER -I PCHUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
09-04-2025	10-04-2025	468	255	CLEAR /CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

MINE WATER DISCHARGE-I UG:		PKCUW1			
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS				
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)	TDS -mg/l
DETECTION LIMIT	2	10	4	2	25
10-04-2025	8.09	44	36	BDL	690
25-04-2025	7.93	52	44	BDL	710
STANDARDS FOR COAL MINE, GSR 742E, dt.	5.5 - 9.0	100	250	10	2000



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NOISE LEVEL MONITORING DATA

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

FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	68.4	67.3
APRIL'25	25-04-2025	71.2	69.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SHOBHAPUR COLONY:		PKCUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	44.2	42.1
APRIL'25	25-04-2025	42.6	40.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



APRIL 2025

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TEST REPORT NO.	RIN/TR/APRIL-25/78	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

CANTEEN BUILDING II PKT2UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-04-2025	13-04-2025	374	221	66	25	13	CLEAR/CALM
26-04-2025	27-04-2025	320	207	61	23	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE PKTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-04-2025	13-04-2025	341	214	64	26	13	CLEAR/CALM
26-04-2025	27-04-2025	297	196	59	23	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

MPEB COLONY PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
13-04-2025	14-04-2025	83	35	14	BDL	CLEAR/CALM	
26-04-2025	27-04-2025	89	42	16	10	CLEAR/CALM	
		100	60	80	80		

HIRA PALLA/BHAGAIKHAPA VILLAGE PKT2UA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
13-04-2025	14-04-2025	78	36	13	BDL	CLEAR/CALM	
26-04-2025	27-04-2025	82	40	17	12	CLEAR/CALM	
		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

NEAR COAL STOCK BUNKER		PKTUIIN1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
12-04-2025	13-04-2025	463	261	CLEAR/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, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
11-04-2025	7.74	42	36	BDL
26-04-2025	7.60	54	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		PKTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	09-04-2025	69.5	68.1
APRIL'25	25-04-2025	70.8	68.3
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
APRIL'25	09-04-2025	43.6	41.3
APRIL'25	25-04-2025	43.6	41.1
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



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/APRIL-25/79	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-04-2025	13-04-2025	337	212	66	25	BDL	CLEAR/CALM
26-04-2025	27-04-2025	301	201	63	23	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-04-2025	13-04-2025	298	195	62	22	10	CLEAR/CALM
26-04-2025	27-04-2025	328	210	66	25	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-04-2025	14-04-2025	83	35	14	BDL	CLEAR/CALM
26-04-2025	27-04-2025	89	42	16	10	CLEAR/CALM
		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-04-2025	14-04-2025	78	36	13	BDL	CLEAR/CALM
26-04-2025	27-04-2025	82	40	17	12	CLEAR/CALM
		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

NEAR COAL STOCK BUNKER				PKTUN1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
12-04-2025	13-04-2025	485	264	CLEAR/CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C, O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
11-04-2025	7.75	40	28	BDL
26-04-2025	7.86	48	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE: PKTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	09-04-2025	70.3	69.1
APRIL'25	25-04-2025	71.9	69.3
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
APRIL'25	09-04-2025	43.6	41.3
APRIL'25	25-04-2025	43.6	41.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

BARKUHI OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/APRIL-25/54		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47	
				16-04-25 TO 15-05-25	

MANAGER OFFICE PBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12-04-2025	13-04-2025	245	157	47	14	11	CLEAR/CALM
24-04-2025	25-04-2025	266	184	50	16	14	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	
13-04-2025	14-04-2025	259	167	47	14	10	CLEAR/CALM
24-04-2025	25-04-2025	271	189	51	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	
13-04-2025	14-04-2025	263	175	48	15	12	CLEAR/CALM
24-04-2025	25-04-2025	247	151	39	13	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CENTRAL SCHOOL PBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
12-04-2025	13-04-2025	67	18	7	BDL		CLEAR/CALM
24-04-2025	25-04-2025	79	25	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

labdhare
Analysed by

Yogesh
Yogesh Pidurkar
Reviewed by

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ENVIRONMENTAL MONITORING REPORT

BG SIDING

PENCH AREA

WESTERN COALFIELDS LTD.

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APRIL 2025

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TEST REPORT NO.	RIN/TR/APRIL-25/59a	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24 , NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
13-04-2025	14-04-2025	301	199	49	16	13	CLEAR/CALM
27-04-2025	28-04-2025	342	212	58	20	16	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	
13-04-2025	14-04-2025	325	223	52	15	13	CLEAR/CALM
27-04-2025	28-04-2025	349	240	59	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		
14-04-2025	15-04-2025	88	30	10	BDL		CLEAR/CALM
28-04-2025	29-04-2025	64	16	7	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		
14-04-2025	15-04-2025	74	25	10	BDL		CLEAR/CALM
28-04-2025	29-04-2025	60	19	8	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

Weigh Bridge BG Siding				PBGSF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
11-04-2025	12-04-2025	442	321	CLEAR SKY / CALM



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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE		PBGSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	09-04-2025	47.2	45.1
APRIL'25	27-04-2025	46.5	44.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY GUEST HOUSE PARASIA		PMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	09-04-2025	42.9	41.1
APRIL'25	27-04-2025	43.3	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

CHANDAMETA WORKSHOP

PENCH AREA

WESTERN COALFIELDS LTD.

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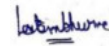
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TEST REPORT NO.	RIN/TR/APRIL-25/55	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24 , NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

CHANDAMETA WORKSHOP PCWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
13-04-2025	14-04-2025	263	175	48	15	12	CLEAR/CALM
24-04-2025	25-04-2025	247	151	39	13	11	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,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
13-04-2025	6.83	28	40	BDL
29-04-2025	7.69	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

NEAR CHANDAMETA WORKSHOP: PCWN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	44.1	42.4
APRIL'25	27-04-2025	43.8	42.7
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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APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/56	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

SAM OFFICE PCOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-04-2025	10-04-2025	278	184	45	14	11	CLEAR/CALM
23-04-2025	24-04-2025	299	201	58	19	16	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-04-2025	10-04-2025	254	162	40	14	11	CLEAR/CALM
23-04-2025	24-04-2025	263	182	46	17	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-04-2025	05-04-2025	78	24	9	BDL		CLEAR/CALM
05-04-2025	06-04-2025	82	31	10	BDL		CLEAR/CALM
11-04-2025	12-04-2025	64	18	8	BDL		CLEAR/CALM
12-04-2025	13-04-2025	70	22	9	BDL		CLEAR/CALM
18-04-2025	19-04-2025	84	34	10	BDL		CLEAR/CALM
19-04-2025	20-04-2025	66	19	8	BDL		CLEAR/CALM
25-04-2025	26-04-2025	79	26	9	BDL		CLEAR/CALM
26-04-2025	27-04-2025	85	32	10	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

CHINDA COLONY PNSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-04-2025	05-04-2025	67	16	8	BDL		CLEAR/CALM
05-04-2025	06-04-2025	85	25	10	BDL		CLEAR/CALM
11-04-2025	12-04-2025	77	21	9	BDL		CLEAR/CALM
12-04-2025	13-04-2025	64	20	9	BDL		CLEAR/CALM
18-04-2025	19-04-2025	91	31	11	BDL		CLEAR/CALM
19-04-2025	20-04-2025	87	27	10	BDL		CLEAR/CALM
25-04-2025	26-04-2025	77	24	9	BDL		CLEAR/CALM
26-04-2025	27-04-2025	85	29	10	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

WEIGH BRIDGE PVUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
09-04-2025	10-04-2025	382	269	CLEAR/CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
09-04-2025	7.55	26	36	BDL
23-04-2025	7.74	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

NEAR MANAGER OFFICE: PCON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	46.1	44.9
APRIL'25	27-04-2025	45.9	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	43.5	41.2
APRIL'25	27-04-2025	43.8	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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PENCH AREA

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APRIL 2025

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TEST REPORT NO.	RIN/TR/APRIL-25/66a	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24 , NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

CHARUN KHAPA PDU A1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-04-2025	05-04-2025	78	25	9	BDL	CLEAR/CALM
18-04-2025	19-04-2025	69	20	7	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

BANKI VILLAGE PDU A2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-04-2025	05-04-2025	88	30	10	BDL	CLEAR/CALM
18-04-2025	19-04-2025	71	26	9	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

MANAGER OFFICE PDU A3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
04-04-2025	05-04-2025	288	196	47	16	13
18-04-2025	19-04-2025	269	172	40	14	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

SUBSTATION OFFICE PDU A4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
04-04-2025	05-04-2025	275	183	48	15	12
18-04-2025	19-04-2025	299	201	55	19	16
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120

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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

WEIGH BRIDGE			PDUF1	ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
		SPM	PM ₁₀	
FROM	TO	5	5	
04-04-2025	05-04-2025	447	328	CLEAR/CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
04-04-2025	6.43	24	28	BDL
18-04-2025	7.56	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

BHUMKADHANA VILLAGE		PDUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	09-04-2025	43.3	41.4
APRIL'25	27-04-2025	44.1	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

MANAGER OFFICE		PDUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	09-04-2025	46.1	44.8
APRIL'25	27-04-2025	47.4	45.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SUBSTATION		PDUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
APRIL'25	09-04-2025	45.5	43.6
APRIL'25	27-04-2025	45.1	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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PENCH AREA

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TEST REPORT NO.	RIN/TR/APRIL-25/59b	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24 , NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
13-04-2025	14-04-2025	331	228	48	16	13	CLEAR/CALM
27-04-2025	28-04-2025	308	201	58	20	18	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	
14-04-2025	15-04-2025	347	231	51	19	16	CLEAR/CALM
28-04-2025	29-04-2025	319	209	59	23	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		
14-04-2025	15-04-2025	88	30	10	BDL		CLEAR/CALM
28-04-2025	29-04-2025	64	16	7	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		
14-04-2025	15-04-2025	74	25	10	BDL		CLEAR/CALM
28-04-2025	29-04-2025	60	19	8	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

Weigh Bridge EDC Siding PEDCF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
11-04-2025	12-04-2025	406	298	CLEAR/CALM



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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE		PEDCN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
APRIL'25	09-04-2025	46.8	44.1
APRIL'25	27-04-2025	45.8	44.3
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
		20	20
APRIL'25	09-04-2025	42.9	41.1
APRIL'25	27-04-2025	43.3	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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TEST REPORT NO.	RIN/TR/APRIL-25/58	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2: IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
05-04-2025	06-04-2025	231	143	37	13	10	CLEAR/CALM
18-04-2025	19-04-2025	209	112	31	10	BDL	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	
05-04-2025	06-04-2025	241	154	40	14	10	CLEAR/CALM
19-04-2025	20-04-2025	223	137	34	10	BDL	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		
04-04-2025	05-04-2025	71	27	9	BDL		CLEAR/CALM
18-04-2025	19-04-2025	66	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		
04-04-2025	05-04-2025	94	31	10	BDL		CLEAR/CALM
05-04-2025	06-04-2025	82	27	9	BDL		CLEAR/CALM
11-04-2025	12-04-2025	89	34	10	BDL		CLEAR/CALM
12-04-2025	13-04-2025	77	22	8	BDL		CLEAR/CALM
18-04-2025	19-04-2025	69	17	8	BDL		CLEAR/CALM
19-04-2025	20-04-2025	78	26	9	BDL		CLEAR/CALM
25-04-2025	26-04-2025	81	29	10	BDL		CLEAR/CALM
26-04-2025	27-04-2025	66	19	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: PJUN1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	44.1	42.7
APRIL'25	27-04-2025	45.2	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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TEST REPORT NO.	RIN/TR/APRIL-25/59	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24 , NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
14-04-2025	15-04-2025	303	210	50	18	14	CLEAR/CALM
29-04-2025	30-04-2025	287	194	41	16	13	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	
14-04-2025	15-04-2025	292	204	41	14	11	CLEAR/CALM
29-04-2025	30-04-2025	271	188	33	12	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
14-04-2025	15-04-2025	88	30	10	BDL		CLEAR/CALM
28-04-2025	29-04-2025	64	16	7	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		
14-04-2025	15-04-2025	74	25	10	BDL		CLEAR/CALM
28-04-2025	29-04-2025	60	19	8	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

COAL STOCK BUNKAR		PMUF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)	
		SPM	PM ₁₀
FROM	TO	S	S
11-04-2025	12-04-2025	479	355
		ENVIRONMENT CONDITIONS (Sky/Wind)	
		CLEAR/CALM	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
14-04-2025	8.41	26	44	BDL
29-04-2025	7.91	22	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
APRIL'25	09-04-2025	70.3	68.8
APRIL'25	27-04-2025	69.5	67.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PMUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	42.9	41.1
APRIL'25	27-04-2025	43.3	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

NEHARIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



APRIL 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/60	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24 , NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
06-04-2025	07-04-2025	267	179	38	15	11	CLEAR/CALM
19-04-2025	20-04-2025	241	155	30	13	10	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	
06-04-2025	07-04-2025	321	238	55	21	18	CLEAR/CALM
19-04-2025	20-04-2025	301	196	41	15	13	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		
05-04-2025	06-04-2025	89	29	10	BDL		CLEAR/CALM
19-04-2025	20-04-2025	72	22	8	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-04-2025	05-04-2025	94	31	10	BDL		CLEAR/CALM
05-04-2025	06-04-2025	82	27	9	BDL		CLEAR/CALM
11-04-2025	12-04-2025	89	34	10	BDL		CLEAR/CALM
12-04-2025	13-04-2025	77	22	8	BDL		CLEAR/CALM
18-04-2025	19-04-2025	69	17	8	BDL		CLEAR/CALM
19-04-2025	20-04-2025	78	26	9	BDL		CLEAR/CALM
25-04-2025	26-04-2025	81	29	10	BDL		CLEAR/CALM
26-04-2025	27-04-2025	66	19	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25	

COAL STCOK BUNKER PNUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
06-04-2025	07-04-2025	456	328	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C, O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
06-04-2025	5.63	24	36	BDL
19-04-2025	7.44	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: PNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-04-2025	6.52	22	32	BDL
19-04-2025	7.88	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
APRIL'25	09-04-2025	68.8	66.5
APRIL'25	27-04-2025	69.5	67.2
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
APRIL'25	09-04-2025	44.9	42.2
APRIL'25	27-04-2025	44.1	42.8
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



APRIL 2025

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/61	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-04-2025	10-04-2025	308	201	55	20	17	CLEAR/CALM
23-04-2025	24-04-2025	277	186	41	15	13	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-04-2025	10-04-2025	278	184	45	14	11	CLEAR/CALM
23-04-2025	24-04-2025	299	201	58	19	16	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-04-2025	05-04-2025	78	24	9	BDL		CLEAR/CALM
05-04-2025	06-04-2025	82	31	10	BDL		CLEAR/CALM
11-04-2025	12-04-2025	64	18	8	BDL		CLEAR/CALM
12-04-2025	13-04-2025	70	22	9	BDL		CLEAR/CALM
18-04-2025	19-04-2025	84	34	10	BDL		CLEAR/CALM
19-04-2025	20-04-2025	66	19	8	BDL		CLEAR/CALM
25-04-2025	26-04-2025	79	26	9	BDL		CLEAR/CALM
26-04-2025	27-04-2025	85	32	10	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

CHINDA COLONY PNSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-04-2025	05-04-2025	67	16	8	BDL		CLEAR/CALM
05-04-2025	06-04-2025	85	25	10	BDL		CLEAR/CALM
11-04-2025	12-04-2025	77	21	9	BDL		CLEAR/CALM
12-04-2025	13-04-2025	64	20	9	BDL		CLEAR/CALM
18-04-2025	19-04-2025	91	31	11	BDL		CLEAR/CALM
19-04-2025	20-04-2025	87	27	10	BDL		CLEAR/CALM
25-04-2025	26-04-2025	77	24	9	BDL		CLEAR/CALM
26-04-2025	27-04-2025	85	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, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C, O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
08-04-2025	7.27	22	32	BDL
23-04-2025	7.64	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	44.4	42.8
APRIL'25	27-04-2025	45.2	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	43.5	41.2
APRIL'25	27-04-2025	43.8	41.5
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



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/APRIL-25/62	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2: IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

SITE OFFICE PSO 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	
06-04-2025	07-04-2025	274	182	44	15	11	CLEAR/CALM
22-04-2025	23-04-2025	249	151	36	13	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SHIVPURI WEIGH BRIDGE PSO 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	
08-04-2025	09-04-2025	322	231	58	18	14	CLEAR/CALM
22-04-2025	23-04-2025	297	202	44	15	12	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	
08-04-2025	09-04-2025	285	192	48	16	13	CLEAR/CALM
22-04-2025	23-04-2025	253	161	40	14	10	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		
08-04-2025	09-04-2025	88	25	10	BDL	CLEAR/CALM	
23-04-2025	24-04-2025	72	19	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		
04-04-2025	05-04-2025	78	24	9	BDL	CLEAR/CALM	
05-04-2025	06-04-2025	82	31	10	BDL	CLEAR/CALM	
11-04-2025	12-04-2025	64	18	8	BDL	CLEAR/CALM	
12-04-2025	13-04-2025	70	22	9	BDL	CLEAR/CALM	
18-04-2025	19-04-2025	84	34	10	BDL	CLEAR/CALM	
19-04-2025	20-04-2025	66	19	8	BDL	CLEAR/CALM	
25-04-2025	26-04-2025	79	26	9	BDL	CLEAR/CALM	
26-04-2025	27-04-2025	85	32	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
APRIL'25	09-04-2025	45.8	44.5
APRIL'25	27-04-2025	45.1	43.8
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
APRIL'25	09-04-2025	44.2	43.1
APRIL'25	27-04-2025	43.3	42.3
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



APRIL 2025

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/APRIL-25/56a		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2: IS 5182 Part-2			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47 16-04-25 TO 15-05-25	

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	
06-04-2025	07-04-2025	87	34	10	BDL	CLEAR/CALM
21-04-2025	22-04-2025	70	24	8	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
06-04-2025	07-04-2025	255	169	44	15	11
21-04-2025	22-04-2025	231	146	34	13	10
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
06-04-2025	07-04-2025	288	192	51	17	15
21-04-2025	22-04-2025	251	163	41	14	11
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	
06-04-2025	07-04-2025	89	32	10	BDL	CLEAR/CALM
21-04-2025	22-04-2025	71	25	8	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

COAL STOCK BUNKER PTUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
06-04-2025	07-04-2025	437	319	CLEAR/CALM



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
06-04-2025	6.72	26	44	BDL
22-04-2025	7.70	22	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
APRIL'25	09-04-2025	71.1	68.2
APRIL'25	27-04-2025	70.5	67.2
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
APRIL'25	09-04-2025	44.2	41.6
APRIL'25	27-04-2025	44.5	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


Yogesh Pidurkar
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ENVIRONMENTAL MONITORING REPORT

URDHAN OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



APRIL 2025

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/APRIL-25/64	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2: IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

URDHAN MANAGER OFFICE				PUOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-04-2025	06-04-2025	296	212	57	19	16	CLEAR/CALM
19-04-2025	20-04-2025	273	188	45	14	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

COAL STOCK YARD				PUOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-04-2025	06-04-2025	348	236	58	25	20	CLEAR/CALM
19-04-2025	20-04-2025	316	211	50	21	15	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 µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-04-2025	06-04-2025	89	29	10	BDL	CLEAR/CALM
19-04-2025	20-04-2025	72	22	8	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

BOKAI TOWNSHIP			PNUA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-04-2025	05-04-2025	94	31	10	BDL	CLEAR/CALM
05-04-2025	06-04-2025	82	27	9	BDL	CLEAR/CALM
11-04-2025	12-04-2025	89	34	10	BDL	CLEAR/CALM
12-04-2025	13-04-2025	77	22	8	BDL	CLEAR/CALM
18-04-2025	19-04-2025	69	17	8	BDL	CLEAR/CALM
19-04-2025	20-04-2025	78	26	9	BDL	CLEAR/CALM
25-04-2025	26-04-2025	81	29	10	BDL	CLEAR/CALM
26-04-2025	27-04-2025	66	19	9	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

COAL STCOK BUNKER PUOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
05-04-2025	06-04-2025	456	344	CLEAR/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,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

MINE WATER DISCHARGE:		PUOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-04-2025	5.89	26	40	BDL
19-04-2025	7.65	28	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE:		PUOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-04-2025	6.60	22	32	BDL
19-04-2025	8.01	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
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
APRIL'25	09-04-2025	45.5	44.1
APRIL'25	27-04-2025	45.1	44.4
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
APRIL'25	09-04-2025	43.1	40.6
APRIL'25	27-04-2025	43.6	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

VISHNUPURI-II UG

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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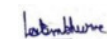
TEST REPORT NO.	RIN/TR/APRIL-25/66	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2: IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

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	
08-04-2025	09-04-2025	290	196	51	15	11	CLEAR/CALM
22-04-2025	23-04-2025	271	188	59	13	10	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	
08-04-2025	09-04-2025	285	192	48	16	13	CLEAR/CALM
22-04-2025	23-04-2025	253	161	40	14	10	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		
08-04-2025	09-04-2025	88	25	10	BDL	CLEAR/CALM	
23-04-2025	24-04-2025	72	19	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		
04-04-2025	05-04-2025	78	24	9	BDL	CLEAR/CALM	
05-04-2025	06-04-2025	82	31	10	BDL	CLEAR/CALM	
11-04-2025	12-04-2025	64	18	8	BDL	CLEAR/CALM	
12-04-2025	13-04-2025	70	22	9	BDL	CLEAR/CALM	
18-04-2025	19-04-2025	84	34	10	BDL	CLEAR/CALM	
19-04-2025	20-04-2025	66	19	8	BDL	CLEAR/CALM	
25-04-2025	26-04-2025	79	26	9	BDL	CLEAR/CALM	
26-04-2025	27-04-2025	85	32	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		



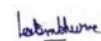
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

		WEIGH BRIDGE		PVUF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
08-04-2025	09-04-2025	399	289	CLEAR/CALM

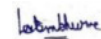


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11,TSS: IS 3025-Part 17,COD: APHA (24th Edition) 5220 C,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

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
08-04-2025	7.02	28	48	BDL
22-04-2025	7.54	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE UG-II: PV2UN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	09-04-2025	69.5	66.1
APRIL'25	27-04-2025	70.2	68.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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ENVIRONMENTAL MONITORING REPORT

CWS TADALI

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WESTERN COALFIELDS LTD.

JOB NO. 4094423068



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/APRIL-25/53	DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23, PM2.5: IS 5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

SUBSTATION: CWSA1						
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
06-04-2025	07-04-2025	220	62	48	14	12
20-04-2025	21-04-2025	212	65	40	13	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

NEAR FILTER PLANT: CWSA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-04-2025	07-04-2025	59	52	12	10	CLEAR SKY/LIGHT BREEZE
20-04-2025	21-04-2025	66	50	16	14	CLEAR SKY/CALM
		100	60	80	80	

ADMINISTRATIVE BUILDING: CWSA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06-04-2025	07-04-2025	354	204	57	18	14
20-04-2025	21-04-2025	320	198	58	15	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

CWS COLONY: CWSA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-04-2025	07-04-2025	56	45	16	14	CLEAR SKY/LIGHT BREEZE
20-04-2025	21-04-2025	64	52	14	12	CLEAR SKY/CALM
		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24th Edition) 5220 C,O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-04-25 TO 15-05-25

ETP DISCHARGE: CWSW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-04-2025	8.06	36	44	4.0
20-04-2025	7.87	40	36	2.8
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

NEAR WORKSHOP: CWSN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	07-04-2025	51.3	50.2
APRIL'25	20-04-2025	52.2	51.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(CWS): CWSN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	07-04-2025	44.3	43.2
APRIL'25	20-04-2025	44.3	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


Yogesh Pidurkar
Reviewed by


Amol Kamble
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 *****