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ENVIRONMENTAL MONITORING REPORT

Amalgamation of Gouri & Pauni OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



AUGUST 2024

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/44	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-08-2024	08-08-2024	265	165	56	22	14	CloudySky / Light Breeze
21-08-2024	22-08-2024	289	179	60	24	15	CloudySky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-08-2024	08-08-2024	240	157	49	19	10	CloudySky / Light Breeze
21-08-2024	22-08-2024	232	136	39	18	11	CloudySky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
04-08-2024	05-08-2024	70	30	10	BDL	Cloudy sky / Light breeze
05-08-2024	06-08-2024	72	38	12	BDL	Cloudy sky / Light breeze
11-08-2024	12-08-2024	74	30	13	BDL	Cloudy sky / Light breeze
12-08-2024	13-08-2024	78	36	14	BDL	Cloudy sky / Light breeze
18-08-2024	19-08-2024	69	32	12	BDL	Cloudy sky / Light breeze
19-08-2024	20-08-2024	68	33	15	BDL	Cloudy sky / Light breeze
25-08-2024	26-08-2024	60	39	12	BDL	Cloudy sky / Light breeze
26-08-2024	27-08-2024	70	30	12	BDL	Cloudy sky / Light breeze
29-08-2024	30-08-2024	71	40	11	BDL	Cloudy sky / Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
02-08-2024	03-08-2024	55	32	10	BDL	Cloudy sky /light breeze
03-08-2024	04-08-2024	59	28	8	BDL	Cloudy sky /light breeze
09-08-2024	10-08-2024	62	24	7	BDL	Cloudy sky /light breeze
10-08-2024	11-08-2024	54	20	9	BDL	Cloudy sky /light breeze
16-08-2024	17-08-2024	70	36	10	BDL	Cloudy sky /light breeze
17-08-2024	18-08-2024	42	18	12	BDL	Rainy sky /light breeze
23-08-2024	24-08-2024	72	22	11	BDL	Cloudy sky /light breeze
24-08-2024	25-08-2024	65	30	10	BDL	Rainy sky /light breeze
28-08-2024	29-08-2024	73	31	9	BDL	Cloudy sky /light breeze
NAAQS, 2009		100	60	80	80	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24

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
07-08-2024	7.77	32	56	BDL
21-08-2024	7.69	40	64	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
07-08-2024	7.35	32	48	BDL
21-08-2024	7.55	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

CHP: BAGPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	64.6	63.7
AUG'24	27-08-2024	65.9	63.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE(PAUNI OC) BAGPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	56.7	55.6
AUG'24	27-08-2024	57.8	56.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	44.9	42.6
AUG'24	27-08-2024	43.9	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
Reviewed by



Deepanshu Sahu
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ENVIRONMENTAL MONITORING REPORT

BALLARPUR OC

BALLARPUR AREA


JOB NO. 4094423068



AUGUST 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/AUG-24/41	DATE OF ISSUE 28-09-2024		
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM ₁₀ : IS-5182 Part 23:2006(RA 2017), PM _{2.5} : USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE	SAMPLING PLAN :		LQR 47
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-08-24 TO 15-09-24


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	
06-08-2024	07-08-2024	278	178	56	19	12	Cloudy sky /light breeze
20-08-2024	21-08-2024	255	169	45	22	15	Cloudy 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06-08-2024	07-08-2024	230	142	44	19	11	Cloudy sky /light breeze
20-08-2024	21-08-2024	259	158	52	20	14	Cloudy 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06-08-2024	07-08-2024	269	166	54	20	14	Cloudy sky /light breeze
20-08-2024	21-08-2024	263	157	48	18	12	Rainy 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)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
02-08-2024	03-08-2024	70	32	10	BDL	Cloudy sky /light breeze
03-08-2024	04-08-2024	72	30	12	BDL	Cloudy sky /light breeze
09-08-2024	10-08-2024	65	30	14	BDL	Cloudy sky /light breeze
10-08-2024	11-08-2024	56	28	8	BDL	Cloudy sky /light breeze
16-08-2024	17-08-2024	60	31	9	BDL	Cloudy sky /light breeze
17-08-2024	18-08-2024	71	36	10	BDL	Cloudy sky /light breeze
23-08-2024	24-08-2024	55	30	11	BDL	Cloudy sky /light breeze
24-08-2024	25-08-2024	73	36	12	BDL	Cloudy sky /light breeze
28-08-2024	29-08-2024	66	22	10	BDL	Cloudy sky /light breeze
NAAQS, 2009		100	60	80	80	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-08-24 TO 15-09-24

MINE WATER DISCHARGE: BBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-08-2024	7.88	32	36	BDL
20-08-2024	7.66	28	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

CHP: BBUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	64.8	62.8
AUG'24	27-08-2024	63.7	61.5
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
AUG'24	13-08-2024	42.7	40.8
AUG'24	27-08-2024	43.8	42.6
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/AUG-24/42	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

MANAGER OFFICE- BALLARPUR UG							
BBOA1							
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	
06-08-2024	07-08-2024	278	178	56	19	12	Cloudy sky /light breeze
20-08-2024	21-08-2024	255	169	45	22	15	Cloudy 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	
06-08-2024	07-08-2024	230	142	44	19	11	Cloudy sky /light breeze
20-08-2024	21-08-2024	259	158	52	20	14	Cloudy 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	
06-08-2024	07-08-2024	269	166	54	20	14	Cloudy sky /light breeze
20-08-2024	21-08-2024	263	157	48	18	12	Rainy sky /light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT COLONY							
BBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
02-08-2024	03-08-2024	70	32	10	BDL	Cloudy sky /light breeze	
03-08-2024	04-08-2024	72	30	12	BDL	Cloudy sky /light breeze	
09-08-2024	10-08-2024	65	30	14	BDL	Cloudy sky /light breeze	
10-08-2024	11-08-2024	56	28	8	BDL	Cloudy sky /light breeze	
16-08-2024	17-08-2024	60	31	9	BDL	Cloudy sky /light breeze	
17-08-2024	18-08-2024	71	36	10	BDL	Cloudy sky /light breeze	
23-08-2024	24-08-2024	55	30	11	BDL	Cloudy sky /light breeze	
24-08-2024	25-08-2024	73	36	12	BDL	Cloudy sky /light breeze	
28-08-2024	29-08-2024	66	22	10	BDL	Cloudy sky /light breeze	
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24

MINE WATER DISCHARGE: BBUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-08-2024	7.75	36	40	BDL
20-08-2024	7.65	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE: BBUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	
AUG'24	13-08-2024	67.8	66.9
AUG'24	27-08-2024	68.6	67.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: BBUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	
AUG'24	13-08-2024	42.7	40.8
AUG'24	27-08-2024	43.8	42.6
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/AUG-24/43	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24	

MANAGER OFFICE BGDO1							
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 _x	SO _x	
07-08-2024	08-08-2024	275	168	53	28	14	Cloudy sky / Light breeze
21-08-2024	22-08-2024	286	187	61	22	11	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MUTRA VILLAGE BGDO2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO _x	SO _x		
02-08-2024	03-08-2024	55	20	8	BDL	Cloudy sky /light breeze	
03-08-2024	04-08-2024	62	36	9	BDL	Cloudy sky /light breeze	
09-08-2024	10-08-2024	69	30	9	BDL	Cloudy sky /light breeze	
10-08-2024	11-08-2024	58	26	10	BDL	Cloudy sky /light breeze	
16-08-2024	17-08-2024	50	24	11	BDL	Cloudy sky /light breeze	
17-08-2024	18-08-2024	59	30	10	BDL	Cloudy sky /light breeze	
23-08-2024	24-08-2024	63	29	12	BDL	Cloudy sky /light breeze	
24-08-2024	25-08-2024	66	22	14	BDL	Cloudy sky /light breeze	
28-08-2024	29-08-2024	70	36	10	BDL	Cloudy sky /light breeze	
NAAQS, 2009		100	60	80	80		

GOYEGAON VILLAGE BGDO3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO _x	SO _x		
02-08-2024	03-08-2024	65	30	11	BDL	Cloudy sky /light breeze	
03-08-2024	04-08-2024	60	28	12	BDL	Cloudy sky /light breeze	
09-08-2024	10-08-2024	64	31	10	BDL	Cloudy sky /light breeze	
10-08-2024	11-08-2024	70	36	7	BDL	Cloudy sky /light breeze	
16-08-2024	17-08-2024	69	32	8	BDL	Cloudy sky /light breeze	
17-08-2024	18-08-2024	76	39	9	BDL	Cloudy sky /light breeze	
23-08-2024	24-08-2024	65	22	10	BDL	Cloudy sky /light breeze	
24-08-2024	25-08-2024	60	27	8	BDL	Cloudy sky /light breeze	
28-08-2024	29-08-2024	55	19	10	BDL	Cloudy 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO _x	SO _x	
07-08-2024	08-08-2024	298	205	64	27	16	Cloudy sky / Light breeze
21-08-2024	22-08-2024	288	198	57	24	14	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 4): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24

MINE WATER DISCHARGE: BGDW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-08-2024	7.8	44	64	BDL
21-08-2024	7.69	32	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP) DISCHARGE: BGDW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-08-2024	7.58	30	52	BDL
21-08-2024	7.50	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	57.8	56.7
AUG'24	27-08-2024	56.8	55.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MUTHRA VILLAGE :		BGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	44.6	42.6
AUG'24	27-08-2024	43.9	42.4
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



AUGUST 2024

Environment Laboratory
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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/45	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

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	
13-08-2024	14-08-2024	288	198	65	25	15	Cloudy sky / Light breeze
27-08-2024	28-08-2024	236	142	48	18	12	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
13-08-2024	14-08-2024	269	178	60	24	12	Cloudy sky / Light breeze
27-08-2024	28-08-2024	273	169	52	17	10	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
04-08-2024	05-08-2024	70	42	13	BDL	Cloudy sky / Light breeze
05-08-2024	06-08-2024	78	36	10	BDL	Cloudy sky / Light breeze
11-08-2024	12-08-2024	75	31	14	BDL	Cloudy sky / Light breeze
12-08-2024	13-08-2024	70	32	10	BDL	Cloudy sky / Light breeze
18-08-2024	19-08-2024	64	36	12	BDL	Cloudy sky / Light breeze
19-08-2024	20-08-2024	69	41	11	BDL	Cloudy sky / Light breeze
25-08-2024	26-08-2024	70	33	10	BDL	Cloudy sky / Light breeze
26-08-2024	27-08-2024	75	29	13	BDL	Cloudy sky / Light breeze
29-08-2024	30-08-2024	79	34	14	BDL	Cloudy sky / Light breeze
NAAQS, 2009		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	
02-08-2024	03-08-2024	55	20	8	BDL	Cloudy sky /light breeze
03-08-2024	04-08-2024	62	36	9	BDL	Cloudy sky /light breeze
09-08-2024	10-08-2024	69	30	9	BDL	Cloudy sky /light breeze
10-08-2024	11-08-2024	58	26	10	BDL	Cloudy sky /light breeze
16-08-2024	17-08-2024	50	24	11	BDL	Cloudy sky /light breeze
17-08-2024	18-08-2024	59	30	10	BDL	Cloudy sky /light breeze
23-08-2024	24-08-2024	63	29	12	BDL	Cloudy sky /light breeze
24-08-2024	25-08-2024	66	22	14	BDL	Cloudy sky /light breeze
28-08-2024	29-08-2024	70	36	10	BDL	Cloudy sky /light breeze
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-08-24 TO 15-09-24

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
13-08-2024	7.98	28	44	BDL
27-08-2024	8.05	36	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

CHP: BNDON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	63.7	62.5
AUG'24	27-08-2024	64.7	63.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY: BSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	43.5	42.9
AUG'24	27-08-2024	42.6	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PAUNI II OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/47	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

MINE OFFICE BP20A1							
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	
08-08-2024	09-08-2024	310	210	64	16	10	Cloudy sky /Light breeze
22-08-2024	23-08-2024	298	187	59	19	11	Cloudy 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08-08-2024	09-08-2024	255	130	36	22	16	Cloudy sky /Light breeze
22-08-2024	23-08-2024	260	155	42	24	14	Cloudy 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)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
04-08-2024	05-08-2024	65	34	12	BDL	Cloudy sky / Light breeze	
05-08-2024	06-08-2024	60	32	10	BDL	Cloudy sky / Light breeze	
11-08-2024	12-08-2024	72	30	11	BDL	Cloudy sky / Light breeze	
12-08-2024	13-08-2024	74	39	13	BDL	Cloudy sky / Light breeze	
18-08-2024	19-08-2024	63	30	14	BDL	Cloudy sky / Light breeze	
19-08-2024	20-08-2024	78	36	12	BDL	Cloudy sky / Light breeze	
25-08-2024	26-08-2024	72	33	10	BDL	Cloudy sky / Light breeze	
26-08-2024	27-08-2024	60	32	12	BDL	Cloudy sky / Light breeze	
29-08-2024	30-08-2024	72	30	11	BDL	Cloudy sky / Light breeze	
NAAQS, 2009		100	60	80	80		

WORKSHOP PAUNI OC BPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08-08-2024	09-08-2024	287	160	52	26	12	Cloudy sky / Light breeze
22-08-2024	23-08-2024	269	156	58	21	15	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24

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
08-08-2024	7.55	28	40	BDL
22-08-2024	7.70	36	52	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
08-08-2024	7.7	32	44	BDL
22-08-2024	7.76	28	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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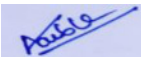
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: BPON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	13-08-2024	58.7	57.6
AUG'24	27-08-2024	57.8	56.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SAKHARI VILLAGE : BPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	13-08-2024	43.5	41.8
AUG'24	27-08-2024	44.6	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/AUG-24/48	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

SAM OFFICE-SASTI OC BSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	So ₂	
FROM	TO	5	5	2	6	10	
13-08-2024	14-08-2024	255	147	36	16	10	Cloudy sky / Light breeze
27-08-2024	28-08-2024	274	169	49	19	12	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

AREA STORE BSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	So ₂	
FROM	TO	5	5	2	6	10	
13-08-2024	14-08-2024	236	135	36	16	BDL	Cloudy sky / Light breeze
27-08-2024	28-08-2024	257	163	48	14	BDL	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT BSOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	So ₂	
FROM	TO	5	2	6	10	
04-08-2024	05-08-2024	70	30	10	BDL	Cloudy sky / Light breeze
05-08-2024	06-08-2024	72	38	12	BDL	Cloudy sky / Light breeze
11-08-2024	12-08-2024	74	30	13	BDL	Cloudy sky / Light breeze
12-08-2024	13-08-2024	78	36	14	BDL	Cloudy sky / Light breeze
18-08-2024	19-08-2024	69	32	12	BDL	Cloudy sky / Light breeze
19-08-2024	20-08-2024	68	33	15	BDL	Cloudy sky / Light breeze
25-08-2024	26-08-2024	60	39	12	BDL	Cloudy sky / Light breeze
26-08-2024	27-08-2024	70	30	12	BDL	Cloudy sky / Light breeze
29-08-2024	30-08-2024	71	40	11	BDL	Cloudy 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	
04-08-2024	05-08-2024	76	28	12	BDL	Cloudy sky / Light breeze
05-08-2024	06-08-2024	70	30	11	BDL	Cloudy sky / Light breeze
11-08-2024	12-08-2024	69	34	13	BDL	Cloudy sky / Light breeze
12-08-2024	13-08-2024	64	35	12	BDL	Cloudy sky / Light breeze
18-08-2024	19-08-2024	75	36	10	BDL	Cloudy sky / Light breeze
19-08-2024	20-08-2024	82	30	14	BDL	Cloudy sky / Light breeze
25-08-2024	26-08-2024	68	31	11	BDL	Cloudy sky / Light breeze
26-08-2024	27-08-2024	70	32	12	BDL	Cloudy sky / Light breeze
29-08-2024	30-08-2024	73	36	13	BDL	Cloudy sky / Light breeze
NAAQS, 2009		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-08-24 TO 15-09-24

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
13-08-2024	7.82	28	40	BDL
27-08-2024	7.4	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE:		BSOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-08-2024	7.88	40	60	BDL
27-08-2024	7.65	32	44	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	
13-08-2024	28	14	
27-08-2024	18	12.6	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30	



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

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

CHP:		BSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	65.6	63.7
AUG'24	27-08-2024	64.5	63.7
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
AUG'24	13-08-2024	44.9	42.6
AUG'24	27-08-2024	43.9	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		55	45



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ENVIRONMENTAL MONITORING REPORT

SASTI UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUGUST 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/AUG-24/49		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE		SAMPLING PLAN :		LQR 47
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24	

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	
13-08-2024	14-08-2024	288	198	65	25	15	Cloudy sky / Light breeze
27-08-2024	28-08-2024	236	142	48	18	12	Cloudy 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	
13-08-2024	14-08-2024	269	178	60	24	12	Cloudy sky / Light breeze
27-08-2024	28-08-2024	273	169	52	17	10	Cloudy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SASTI COLONY BSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
04-08-2024	05-08-2024	70	42	13	BDL	Cloudy sky / Light breeze	
05-08-2024	06-08-2024	78	36	10	BDL	Cloudy sky / Light breeze	
11-08-2024	12-08-2024	75	31	14	BDL	Cloudy sky / Light breeze	
12-08-2024	13-08-2024	70	32	10	BDL	Cloudy sky / Light breeze	
18-08-2024	19-08-2024	64	36	12	BDL	Cloudy sky / Light breeze	
19-08-2024	20-08-2024	69	41	11	BDL	Cloudy sky / Light breeze	
25-08-2024	26-08-2024	70	33	10	BDL	Cloudy sky / Light breeze	
26-08-2024	27-08-2024	75	29	13	BDL	Cloudy sky / Light breeze	
29-08-2024	30-08-2024	79	34	14	BDL	Cloudy 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		
04-08-2024	05-08-2024	76	28	12	BDL	Cloudy sky / Light breeze	
05-08-2024	06-08-2024	70	30	11	BDL	Cloudy sky / Light breeze	
11-08-2024	12-08-2024	69	34	13	BDL	Cloudy sky / Light breeze	
12-08-2024	13-08-2024	64	35	12	BDL	Cloudy sky / Light breeze	
18-08-2024	19-08-2024	75	36	10	BDL	Cloudy sky / Light breeze	
19-08-2024	20-08-2024	82	30	14	BDL	Cloudy sky / Light breeze	
25-08-2024	26-08-2024	68	31	11	BDL	Cloudy sky / Light breeze	
26-08-2024	27-08-2024	70	32	12	BDL	Cloudy sky / Light breeze	
29-08-2024	30-08-2024	73	36	13	BDL	Cloudy sky / Light breeze	
NAAQS, 2009		100	60	80	80		



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

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

SASTI COLONY: BSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	43.5	42.9
AUG'24	27-08-2024	42.6	41.8
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



AUGUST 2024

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/31	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/08/24 TO 15/09/24

BHATADI SECURITY POST CBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
09-08-2024	10-08-2024	351	178	48	26	20	Rainy Sky/Light Breeze
24-08-2024	25-08-2024	396	205	54	36	29	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI MANAGER OFFICE CBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
09-08-2024	10-08-2024	334	172	45	29	22	Rainy Sky/Light Breeze
24-08-2024	25-08-2024	372	189	52	35	27	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


BHATADI VILLAGE CBOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
06-08-2024	07-08-2024	70	20	22	15	Rainy Sky/Moderate Breeze
07-08-2024	08-08-2024	73	23	24	19	Rainy Sky/Moderate Breeze
13-08-2024	14-08-2024	76	25	26	18	Rainy Sky/Moderate Breeze
14-08-2024	15-08-2024	71	22	21	16	Rainy Sky/Moderate Breeze
20-08-2024	21-08-2024	80	30	28	23	Clear Sky/calm
21-08-2024	22-08-2024	87	32	24	20	Clear Sky/calm
26-08-2024	27-08-2024	89	35	27	21	Clear Sky/calm
27-08-2024	28-08-2024	82	31	29	23	Clear Sky/calm
29-08-2024	30-08-2024	84	33	26	20	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

VADHOLI VILLAGE CBOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
06-08-2024	07-08-2024	76	24	22	12	Rainy Sky/Moderate Breeze
07-08-2024	08-08-2024	74	26	19	10	Rainy Sky/Moderate Breeze
13-08-2024	14-08-2024	72	22	17	15	Rainy Sky/Moderate Breeze
14-08-2024	15-08-2024	77	25	20	12	Rainy Sky/Moderate Breeze
20-08-2024	21-08-2024	80	33	22	14	Clear Sky/calm
21-08-2024	22-08-2024	82	30	24	17	Clear Sky/calm
26-08-2024	27-08-2024	89	34	26	18	Clear Sky/calm
27-08-2024	28-08-2024	84	31	29	20	Clear Sky/calm
29-08-2024	30-08-2024	81	30	27	23	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	
06-08-2024	07-08-2024	74	22	22	12	Rainy Sky/Moderate Breeze
07-08-2024	08-08-2024	72	24	18	10	Rainy Sky/Moderate Breeze
13-08-2024	14-08-2024	75	26	21	11	Rainy Sky/Moderate Breeze
14-08-2024	15-08-2024	78	29	24	14	Rainy Sky/Moderate Breeze
20-08-2024	21-08-2024	82	30	26	16	Clear Sky/calm
21-08-2024	22-08-2024	85	35	30	23	Clear Sky/calm
26-08-2024	27-08-2024	81	31	24	18	Clear Sky/calm
27-08-2024	28-08-2024	90	36	29	24	Clear Sky/calm
29-08-2024	30-08-2024	84	33	27	22	Clear Sky/calm
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION		Water sample			
Test Required		pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)			
SAMPLING METHOD		LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :		16/08/24 TO 15/09/24


MINE WATER DISCHARGE: CBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.08.2024	7.58	56	44	BDL
24.08.2024	7.30	65	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: CBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.08.2024	7.25	31	28	BDL
24.08.2024	7.59	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: CBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
08.08.2024	31	8.4
24.08.2024	27	10.2
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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

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

CHP: CBON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	09-08-2024	63.6	62.5
AUG'24	24-08-2024	63.7	62.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CBON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	09-08-2024	43.4	42.3
AUG'24	24-08-2024	43.6	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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CHANDRAPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/32	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/08/24 TO 15/09/24

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	
		5	5	2	6	10	
06-08-2024	07-08-2024	311	163	40	28	24	Rainy Sky/Light Breeze
21-08-2024	22-08-2024	335	170	46	34	29	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
06-08-2024	07-08-2024	320	162	43	26	19	Rainy Sky/Light Breeze
21-08-2024	22-08-2024	343	179	53	28	23	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
07-08-2024	08-08-2024	304	158	41	22	17	Rainy Sky/Light Breeze
22-08-2024	23-08-2024	321	174	49	26	14	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
06-08-2024	07-08-2024	76	24	17	12	Rainy Sky/Light Breeze	
21-08-2024	22-08-2024	81	27	20	16	Cloudy Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		



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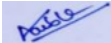
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

CHP		CCRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	09-08-2024	61.6	60.4
AUG'24	24-08-2024	61.4	60.2
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
AUG'24	09-08-2024	43.6	42.4
AUG'24	24-08-2024	43.2	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

DRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/33	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/08/24 TO 15/09/24

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	
		5	5	2	6	10	
06-08-2024	07-08-2024	309	155	38	20	15	Rainy Sky/Light Breeze
21-08-2024	22-08-2024	329	172	49	25	21	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


PIT OFFICE DRC-IV CDRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
07-08-2024	08-08-2024	300	165	40	22	20	Rainy Sky/Light Breeze
22-08-2024	23-08-2024	318	175	48	27	22	Cloudy Sky/Light Breeze
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		
		5	2	6	10		
07-08-2024	08-08-2024	77	20	18	11		Rainy Sky/Light Breeze
22-08-2024	23-08-2024	81	26	22	18		Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80		

NEHRU NAGAR CDRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
07-08-2024	08-08-2024	79	29	20	17		Rainy Sky/Light Breeze
22-08-2024	23-08-2024	90	36	28	20		Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80		

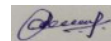


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/08/24 TO 15/09/24

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
06.08.2024	7.50	49	32	BDL
21.08.2024	7.75	57	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25- 09-2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE: CDRUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	09-08-2024	69.5	67.7
AUG'24	24-08-2024	65.7	64.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY: CDRUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	09-08-2024	43.5	42.6
AUG'24	24-08-2024	43.6	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

DURGAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/AUG-24/34	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/08/24 TO 15/09/24

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	
08-08-2024	09-08-2024	323	168	46	34	22	Rainy Sky/Light Breeze
23-08-2024	24-08-2024	358	189	55	39	28	Cloudy Sky/Light Breeze
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		
06-08-2024	07-08-2024	71	29	19	12		Rainy Sky/Moderate Breeze
07-08-2024	08-08-2024	75	24	18	15		Rainy Sky/Moderate Breeze
13-08-2024	14-08-2024	77	28	20	17		Rainy Sky/Moderate Breeze
14-08-2024	15-08-2024	73	26	21	16		Rainy Sky/Moderate Breeze
20-08-2024	21-08-2024	79	32	26	15		Clear Sky/calm
21-08-2024	22-08-2024	83	35	24	18		Clear Sky/calm
26-08-2024	27-08-2024	80	34	29	20		Clear Sky/calm
27-08-2024	28-08-2024	82	32	25	16		Clear Sky/calm
29-08-2024	30-08-2024	86	38	24	19		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	
08-08-2024	09-08-2024	319	172	45	31	20	Rainy Sky/Light Breeze
23-08-2024	24-08-2024	340	183	50	36	26	Cloudy Sky/Light Breeze
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		
06-08-2024	07-08-2024	72	28	17	14		Rainy Sky/Moderate Breeze
07-08-2024	08-08-2024	74	25	19	12		Rainy Sky/Moderate Breeze
13-08-2024	14-08-2024	78	31	22	15		Rainy Sky/Moderate Breeze
14-08-2024	15-08-2024	75	26	24	19		Rainy Sky/Moderate Breeze
20-08-2024	21-08-2024	82	34	26	22		Clear Sky/calm
21-08-2024	22-08-2024	85	36	29	24		Clear Sky/calm
26-08-2024	27-08-2024	89	38	27	21		Clear Sky/calm
27-08-2024	28-08-2024	84	36	30	26		Clear Sky/calm
29-08-2024	30-08-2024	81	32	24	20		Clear Sky/calm
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/08/24 TO 15/09/24

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
07.08.2024	8.15	47	36	BDL
22.08.2024	7.92	59	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE Q-V CDOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.08.2024	3.16	56	44	BDL
22.08.2024	2.96	60	60	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
07.08.2024	8.21	34	36	BDL
22.08.2024	8.10	38	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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



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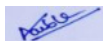
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

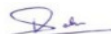
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP:		CDON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	09-08-2024	62.7	61.5
AUG'24	24-08-2024	64.2	62.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	09-08-2024	43.5	42.6
AUG'24	24-08-2024	43.6	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

HLP-I & III UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/37	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/08/24 TO 15/09/24

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	
11-08-2024	12-08-2024	334	181	48	24	20	Cloudy Sky/Light Breeze
26-08-2024	27-08-2024	348	186	54	34	24	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-08-2024	12-08-2024	340	182	49	31	23	Cloudy Sky/Light Breeze
26-08-2024	27-08-2024	323	175	44	27	20	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-08-2024	12-08-2024	80	23	20	14	Cloudy Sky/Light Breeze
26-08-2024	27-08-2024	74	20	17	11	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				Rainy/Windy
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-08-2024	13-08-2024	75	22	19	12	Cloudy Sky/Light Breeze
27-08-2024	28-08-2024	79	26	22	18	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80	




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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/08/24 TO 15/09/24

MINE WATER DISCHARGE(HLP-III): CHUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.08.2024	7.84	46	36	BDL
26.08.2024	7.55	50	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE(HLP-I): CHUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.08.2024	7.82	44	52	BDL
26.08.2024	7.71	41	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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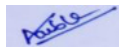
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE-I:		CHUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	09-08-2024	44.6	43.3
AUG'24	24-08-2024	44.2	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		CHUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	09-08-2024	43.4	42.5
AUG'24	24-08-2024	43.6	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MAHAKALI UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUGUST 2024

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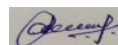
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/AUG-24/37	DATE OF ISSUE	28-09-2024		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/08/24 TO 15/09/24		

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	
		5	5	2	6	10	
06-08-2024	07-08-2024	311	163	40	28	24	Rainy Sky/Light Breeze
21-08-2024	22-08-2024	335	170	46	34	29	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
06-08-2024	07-08-2024	315	162	43	26	19	Rainy Sky/Light Breeze
21-08-2024	22-08-2024	343	179	53	28	23	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3(C.R.C-U/G)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
07-08-2024	08-08-2024	304	170	45	22	17	Rainy Sky/Light Breeze
22-08-2024	23-08-2024	321	174	47	26	14	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

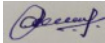
COLONY (MAHAKALI UG) CMKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
06-08-2024	07-08-2024	76	24	17	12		Rainy Sky/Light Breeze
21-08-2024	22-08-2024	81	27	20	16		Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION		Water sample			
Test Required		pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)			
SAMPLING METHOD		LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :		16/08/24 TO 15/09/24

MINE WATER DISCHARGE: CMKUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.08.2024	7.64	55	36	BDL
21.08.2024	7.60	46	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

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

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

FAN HOUSE: CMKUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
			20
AUG'24	09-08-2024	67.6	66.5
AUG'24	24-08-2024	65.4	64.3
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
AUG'24	09-08-2024	43.6	42.4
AUG'24	24-08-2024	43.2	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MANA UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUG 2024

Environment Laboratory
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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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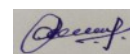
TEST REPORT NO.	RIN/TR/AUG-24/38	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/08/24 TO 15/09/24

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-08-2024	11-08-2024	318	168	42	23	16	Cloudy Sky/Light Breeze
25-08-2024	26-08-2024	335	182	49	27	21	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
10-08-2024	11-08-2024	338	172	50	28	25	Cloudy Sky/Light Breeze
25-08-2024	26-08-2024	326	165	47	24	19	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
06-08-2024	07-08-2024	77	26	19	10	Rainy Sky/Moderate Breeze
07-08-2024	08-08-2024	70	21	16	12	Rainy Sky/Moderate Breeze
13-08-2024	14-08-2024	72	23	20	15	Rainy Sky/Moderate Breeze
14-08-2024	15-08-2024	75	27	23	17	Rainy Sky/Moderate Breeze
20-08-2024	21-08-2024	82	29	24	21	Clear Sky/calm
21-08-2024	22-08-2024	84	31	26	19	Clear Sky/calm
26-08-2024	27-08-2024	80	28	22	17	Clear Sky/calm
27-08-2024	28-08-2024	81	28	25	20	Clear Sky/calm
29-08-2024	30-08-2024	86	32	28	23	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-08-2024	11-08-2024	75	26	17	11	Cloudy Sky/Light Breeze
25-08-2024	26-08-2024	80	29	20	16	Cloudy Sky/Light Breeze
		100	60	80	80	

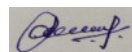


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/08/24 TO 15/09/24

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
10.08.2024	7.92	39	32	BDL
25.08.2024	7.80	42	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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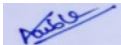
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE: CMUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	09-08-2024	63.7	62.5
AUG'24	24-08-2024	67.7	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(HLP OC): CHON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	09-08-2024	43.4	42.3
AUG'24	24-08-2024	43.5	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NANDGAON UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUGUST 2024

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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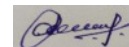
TEST REPORT NO.	RIN/TR/AUG-24/39	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16/08/24 TO 15/09/24	

MANAGER OFFICE NANDGAON UG CNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-08-2024	12-08-2024	329	152	41	20	15	Cloudy Sky/Light Breeze
26-08-2024	27-08-2024	345	171	50	24	18	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE CMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-08-2024	11-08-2024	338	172	50	28	25	Cloudy Sky/Light Breeze
25-08-2024	26-08-2024	326	165	47	24	19	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE CMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-08-2024	11-08-2024	75	26	17	11	11	Cloudy Sky/Light Breeze
25-08-2024	26-08-2024	80	29	20	16	16	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80	80	

COLONY (NANDGAON) CNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-08-2024	07-08-2024	77	26	19	10	10	Rainy Sky/Moderate Breeze
07-08-2024	08-08-2024	70	21	16	12	12	Rainy Sky/Moderate Breeze
13-08-2024	14-08-2024	72	23	20	15	15	Rainy Sky/Moderate Breeze
14-08-2024	15-08-2024	75	27	23	17	17	Rainy Sky/Moderate Breeze
20-08-2024	21-08-2024	82	29	24	21	21	Clear Sky/calm
21-08-2024	22-08-2024	84	31	26	19	19	Clear Sky/calm
26-08-2024	27-08-2024	80	28	22	17	17	Clear Sky/calm
27-08-2024	28-08-2024	81	28	25	20	20	Clear Sky/calm
29-08-2024	30-08-2024	86	32	28	23	23	Clear Sky/calm
NAAQS, 2009		100	60	80	80	80	

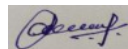


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/08/24 TO 15/09/24

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
10.08.2024	7.64	45	34	BDL
25.08.2024	7.48	39	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	09-08-2024	69.7	68.6
AUG'24	24-08-2024	68.6	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP OC:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	09-08-2024	43.4	42.3
AUG'24	24-08-2024	43.5	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PADMAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/AUG-24/40	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/08/24 TO 15/09/24

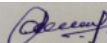
MANAGER OFFICE Q-IV CPOA1 (Padmapur)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	339	170	48	25	19	Rainy Sky/Light Breeze
23-08-2024	24-08-2024	360	196	52	30	22	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE Q-IV CDOA3 (Durgapur OC)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	319	172	45	31	20	Rainy Sky/Light Breeze
23-08-2024	24-08-2024	340	183	50	36	26	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


WARWAT VILLAGE CPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-08-2024	09-08-2024	77	21	15	10	10	Rainy Sky/Light Breeze
23-08-2024	24-08-2024	81	25	21	14	14	Cloudy Sky/Light Breeze
		100	60	80	80	80	

KITADI VILLAGE CPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-08-2024	10-08-2024	80	24	16	10	10	Rainy Sky/Light Breeze
24-08-2024	25-08-2024	84	28	18	12	12	Cloudy Sky/Light Breeze
		100	60	80	80	80	

VICHODA RAYATWARI VILLAGE CPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-08-2024	10-08-2024	77	25	18	12	12	Rainy Sky/Light Breeze
24-08-2024	25-08-2024	85	30	21	13	13	Cloudy Sky/Light Breeze
		100	60	80	80	80	



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

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

CHP:		CPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	09-08-2024	63.6	62.4
AUG'24	24-08-2024	62.7	61.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	09-08-2024	43.5	42.6
AUG'24	24-08-2024	43.6	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI-II(A) OC

MAJRI AREA

WESTERN COALFIELDS LTD.


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AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/AUG-24/51	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

NMOC SUBSTATION MMOA1							
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	
08-08-2024	09-08-2024	372	200	70	20	16	CLOUDY / LIGHT BREEZE
22-08-2024	23-08-2024	350	195	54	18	14	RAINY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PATATA MAGAZINE MMUA1							
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	
08-08-2024	09-08-2024	352	180	60	16	12	CLOUDY / LIGHT BREEZE
22-08-2024	23-08-2024	340	182	68	20	16	RAINY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PRIMARY HEALTH CENTRE, MAJRI BASTI MMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	80	50	16	12	CLOUDY/LIGHT BREEZE	
03-08-2024	04-08-2024	70	54	15	13	CLOUDY/LIGHT BREEZE	
09-08-2024	10-08-2024	67	52	14	11	CLOUDY/ MODERATE BREEZE	
10-08-2024	11-08-2024	78	56	15	13	CLOUDY/LIGHT BREEZE	
16-08-2024	17-08-2024	56	42	14	12	CLOUDY/CALM	
17-08-2024	18-08-2024	68	50	16	13	CLOUDY/CALM	
23-08-2024	24-08-2024	76	53	20	16	RAINY SKY / LIGHT BREEZE	
24-08-2024	25-08-2024	69	55	14	12	RAINY SKY / LIGHT BREEZE	
28-08-2024	29-08-2024	60	50	13	10	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

KUCHANA COLONY MMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	66	45	12	10	CLOUDY/LIGHT BREEZE	
03-08-2024	04-08-2024	62	50	16	14	CLOUDY/LIGHT BREEZE	
09-08-2024	10-08-2024	68	55	14	12	CLOUDY/ MODERATE BREEZE	
10-08-2024	11-08-2024	60	51	12	10	CLOUDY/LIGHT BREEZE	
16-08-2024	17-08-2024	70	48	15	12	CLOUDY/CALM	
17-08-2024	18-08-2024	78	56	12	10	CLOUDY/CALM	
23-08-2024	24-08-2024	68	50	15	12	RAINY SKY / LIGHT BREEZE	
24-08-2024	25-08-2024	60	56	16	14	RAINY SKY / LIGHT BREEZE	
28-08-2024	29-08-2024	62	52	15	12	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	L SOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES: 16-08-24 TO 15-09-24

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
12-08-2024	7.20	40	44	BDL
27-08-2024	7.50	36	48	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
12-08-2024	7.68	50	32	BDL
27-08-2024	7.40	48	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
12-08-2024	46	8.4
27-08-2024	38	9.6
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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, AUG-2015
SAMPLING METHOD	LSOP 6

FIELD MAIN SHED:		MMON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	AUG'24	12-08-2024	59.9
AUG'24	28-08-2024	60.9	59.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PRIMARY HEALTH CENTER MAJRI BASTI		MMON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	AUG'24	12-08-2024	44.2
AUG'24	28-08-2024	43.6	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI UG TO OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



AUGUST 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC:7182
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TEST REPORT NO.	RIN/TR/AUG-24/50	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

PATALA MAGAZINE MMUA1							
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	
08-08-2024	09-08-2024	352	180	60	16	12	CLOUDY / LIGHT BREEZE
22-08-2024	23-08-2024	340	182	58	20	16	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08-08-2024	09-08-2024	394	210	62	17	14	CLOUDY / LIGHT BREEZE
22-08-2024	23-08-2024	345	184	62	16	13	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08-08-2024	09-08-2024	372	190	56	14	12	CLOUDY / LIGHT BREEZE
22-08-2024	23-08-2024	336	140	50	20	17	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAWARLA VILLAGE MMUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
02-08-2024	02-08-2024	70	48	18	14	CLOUDY / LIGHT BREEZE
03-08-2024	03-08-2024	60	54	14	12	CLOUDY / LIGHT BREEZE
09-08-2024	09-08-2024	68	49	16	13	CLOUDY/ MODERATE BREEZE
10-08-2024	10-08-2024	62	50	14	11	CLOUDY / LIGHT BREEZE
16-08-2024	16-08-2024	70	48	14	12	CLOUDY/ CALM
17-08-2024	17-08-2024	60	51	15	12	CLOUDY/ CALM
23-08-2024	23-08-2024	64	52	16	14	RAINY SKY / LIGHT BREEZE
24-08-2024	24-08-2024	68	55	14	12	RAINY SKY / LIGHT BREEZE
28-08-2024	28-08-2024	65	50	16	14	CLEAR/ CALM
NAAQS, 2009		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
10-08-2024	7.70	28	40	BDL
27-08-2024	7.72	32	52	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
10-08-2024	7.48	30	56	BDL
27-08-2024	8.30	38	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
10-08-2024	40	13.8
27-08-2024	44	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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NOISE LEVEL MONITORING DATA

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

PIT OFFICE:		MMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	12-08-2024	57.5	56.2
AUG'24	28-08-2024	57.1	56.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

KUCHNA COLONY		MMON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	12-08-2024	43.9	42.6
AUG'24	28-08-2024	44.5	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

YEKONA I & II OC

MAJRI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/52	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24


PIT OFFICE MYOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	
FROM	TO	5	5	2	6	10
08-08-2024	09-08-2024	390	210	68	18	14
22-08-2024	23-08-2024	366	200	60	20	16
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300		120	120

PENZURNI VILLAGE MYOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-08-2024	03-08-2024	67	53	15	12	CLOUDY / LIGHT BREEZE
03-08-2024	04-08-2024	70	58	18	14	CLOUDY / LIGHT BREEZE
09-08-2024	10-08-2024	76	50	14	12	CLOUDY / MODERATE BREEZE
10-08-2024	11-08-2024	74	55	12	10	CLOUDY / LIGHT BREEZE
16-08-2024	17-08-2024	68	52	14	12	CLOUDY / CALM
17-08-2024	18-08-2024	60	55	16	13	CLOUDY / CALM
23-08-2024	24-08-2024	70	51	18	14	RAINY / LIGHT BREEZE
24-08-2024	25-08-2024	60	55	16	14	RAINY / LIGHT BREEZE
28-08-2024	29-08-2024	60	50	14	12	CLEAR / CALM
NAAQS, 2009		100	60	80	80	


DANDGAON VILLAGE MYOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-08-2024	03-08-2024	68	54	15	12	CLOUDY / LIGHT BREEZE
03-08-2024	04-08-2024	78	50	14	14	CLOUDY / LIGHT BREEZE
09-08-2024	10-08-2024	68	54	16	14	CLOUDY / MODERATE BREEZE
10-08-2024	11-08-2024	65	50	14	12	CLOUDY / LIGHT BREEZE
16-08-2024	17-08-2024	56	48	15	11	CLOUDY / CALM
17-08-2024	18-08-2024	70	50	20	15	CLOUDY / CALM
23-08-2024	24-08-2024	65	48	16	12	RAINY / LIGHT BREEZE
24-08-2024	25-08-2024	67	50	15	11	RAINY / LIGHT BREEZE
28-08-2024	29-08-2024	58	46	14	12	CLEAR / CALM
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	
02-08-2024	03-08-2024	74	52	13	10	CLOUDY / LIGHT BREEZE
03-08-2024	04-08-2024	68	50	18	15	CLOUDY / LIGHT BREEZE
09-08-2024	10-08-2024	66	55	14	12	CLOUDY / MODERATE BREEZE
10-08-2024	11-08-2024	74	48	16	14	CLOUDY / LIGHT BREEZE
16-08-2024	17-08-2024	60	54	16	13	CLOUDY / CALM
17-08-2024	18-08-2024	62	51	14	12	CLOUDY / CALM
23-08-2024	24-08-2024	60	48	14	10	RAINY / LIGHT BREEZE
24-08-2024	25-08-2024	65	52	17	12	RAINY / LIGHT BREEZE
28-08-2024	29-08-2024	64	50	18	13	CLEAR / CALM
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	
13-08-2024	14-08-2024	400	216	74	22	18	CLOUDY / MODERATE BREEZE
27-08-2024	28-08-2024	354	196	62	21	15	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	60	120	120	



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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES: 16-08-24 TO 15-09-24

MINE WATER DISCHARGE: YEKONA I OC : MYOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-08-2024	7.83	36	52	BDL
27-08-2024	7.80	28	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
12-08-2024	7.99	32	48	BDL
27-08-2024	8.68	40	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP : MYOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-08-2024	7.50	42	36	BDL
27-08-2024	7.25	50	28	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
12-08-2024	52	12.0
27-08-2024	32	11.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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NOISE LEVEL MONITORING DATA

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

PIT OFFICE MYON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	12-08-2024	59.8	58.4
AUG'24	28-08-2024	56.9	55.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

YEKONA VILLAGE MYON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	12-08-2024	43.9	42.6
AUG'24	28-08-2024	44.6	43.4
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




AUGUST 2024



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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/1	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-08-2024	08-08-2024	351	204	59	32	18	CLOUDY / CALM
21-08-2024	22-08-2024	358	208	61	34	19	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE NAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-08-2024	03-08-2024	77	40	26	BDL	CLOUDY / CALM	
04-08-2024	04-08-2024	78	41	25	BDL	CLOUDY / CALM	
10-08-2024	10-08-2024	74	40	25	BDL	CLOUDY / CALM	
11-08-2024	11-08-2024	73	41	24	BDL	CLOUDY / CALM	
17-08-2024	17-08-2024	81	42	28	BDL	CLOUDY / CALM	
18-08-2024	18-08-2024	82	43	27	BDL	CLOUDY / CALM	
24-08-2024	24-08-2024	78	42	27	BDL	CLOUDY / CALM	
25-08-2024	25-08-2024	77	43	26	BDL	CLOUDY / CALM	
29-08-2024	30-08-2024	78	39	24	BDL	CLOUDY / BREEZE	
NAAQS, 2009		100	60	80	80		

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-08-2024	02-08-2024	75	38	23	BDL	CLOUDY / LIGHT BREEZE	
16-08-2024	17-08-2024	79	40	25	BDL	CLOUDY / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-08-2024	02-08-2024	76	39	24	BDL	CLOUDY / LIGHT BREEZE	
16-08-2024	17-08-2024	80	41	26	BDL	CLOUDY / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24

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
03-08-2024	7.95	22	28	BDL
21-08-2024	7.91	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, AUG-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: NAUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	10-08-2024	53.3	52.1
AUG'24	26-08-2024	52.3	51.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (SAONER): NSNUN4			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	10-08-2024	43.4	41.2
AUG'24	26-08-2024	42.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

KOTODI VILLAGE NAUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	10-08-2024	44.4	42.8
AUG'24	26-08-2024	43.8	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

PATHAKAKHEDI GP OFFICE NAUN3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	10-08-2024	42.9	41.1
AUG'24	26-08-2024	43.2	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

Amalgamation of Kamptee Deep & Inder OC

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/AUG-24/4	DATE OF ISSUE	28-09-2024		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24		

NEAR PIT NO.6 / MANAGER OFFICE NIOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-08-2024	10-08-2024	370	202	55	37	20	CLOUDY/CALM
23-08-2024	24-08-2024	377	206	57	39	21	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CMPDI TEKADI STORE NIOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-08-2024	10-08-2024	357	201	54	36	19	CLOUDY/CALM
23-08-2024	24-08-2024	364	205	56	38	20	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-08-2024	03-08-2024	359	217	62	32	19	CLOUDY/CALM
28-08-2024	29-08-2024	366	221	64	34	20	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JUNI KAMTEE VILLAGE NKCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	05-08-2024	74	35	23	BDL	CLOUDY/CALM	
06-08-2024	06-08-2024	75	36	24	BDL	CLOUDY/CALM	
12-08-2024	12-08-2024	76	37	25	BDL	CLOUDY/CALM	
13-08-2024	13-08-2024	77	38	26	BDL	CLOUDY/CALM	
19-08-2024	19-08-2024	78	37	25	BDL	CLOUDY/CALM	
20-08-2024	20-08-2024	79	38	26	BDL	CLOUDY/CALM	
26-08-2024	26-08-2024	80	39	27	BDL	CLOUDY/CALM	
27-08-2024	27-08-2024	81	40	28	BDL	CLOUDY/CALM	
30-08-2024	31-08-2024	78	43	25	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

G.P. OFFICE KANDRI VILLAGE NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	05-08-2024	78	37	23	BDL	CLOUDY / CALM	
06-08-2024	06-08-2024	78	38	24	BDL	CLOUDY / CALM	
12-08-2024	12-08-2024	79	35	25	BDL	CLOUDY / CALM	
13-08-2024	13-08-2024	73	34	22	BDL	CLOUDY / CALM	
19-08-2024	19-08-2024	82	39	25	BDL	CLOUDY / CALM	
20-08-2024	20-08-2024	82	40	26	BDL	CLOUDY / CALM	
26-08-2024	26-08-2024	83	37	27	BDL	CLOUDY / CALM	
27-08-2024	27-08-2024	77	36	24	BDL	CLOUDY / CALM	
30-08-2024	31-08-2024	77	42	24	BDL	CLOUDY / CALM	
NAAQS, 2009		100	60	80	80		

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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-08-24 TO 15-09-24

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
05-08-2024	8.20	22	28	BDL
23-08-2024	8.15	36	44	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
05-08-2024	8.12	42	60	BDL
23-08-2024	7.94	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, AUG-2015
SAMPLING METHOD	LSOP 6

RC OFFICEE: NION1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	10-08-2024	54.4	52.9
AUG'24	26-08-2024	52.3	51.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP NKCNI		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	10-08-2024	68.4	66.9
AUG'24	26-08-2024	66.2	65.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY KAMTEE NKCNI		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	10-08-2024	44.2	42.2
AUG'24	26-08-2024	43.1	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMTEE VILLAGE NKCNI		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	10-08-2024	44.4	42.7
AUG'24	26-08-2024	43.3	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/AUG-24/2	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

NEAR MANAGER OFFICE NBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
02-08-2024	03-08-2024	348	201	58	31	19	CLOUDY/CALM
28-08-2024	29-08-2024	355	205	60	33	20	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BINA SANGAM TEMPLE NBOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-08-2024	04-08-2024	74	39	23	BDL	CLOUDY / CALM
04-08-2024	05-08-2024	72	39	25	BDL	CLOUDY / CALM
10-08-2024	11-08-2024	74	40	23	BDL	CLOUDY / CALM
11-08-2024	12-08-2024	72	42	25	BDL	CLOUDY / CALM
17-08-2024	18-08-2024	78	41	25	BDL	CLOUDY / CALM
18-08-2024	19-08-2024	76	41	27	BDL	CLOUDY / CALM
24-08-2024	25-08-2024	78	42	25	BDL	CLOUDY / CALM
25-08-2024	26-08-2024	76	44	27	BDL	CLOUDY / CALM
29-08-2024	30-08-2024	79	40	25	BDL	CLOUDY / CALM
NAAQS, 2009		100	60	80	80	

BINA VILLAGE NBOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-08-2024	04-08-2024	71	40	23	BDL	CLOUDY / CALM
04-08-2024	05-08-2024	67	39	25	BDL	CLOUDY / CALM
10-08-2024	11-08-2024	72	38	25	BDL	CLOUDY / CALM
11-08-2024	12-08-2024	79	35	22	BDL	CLOUDY / CALM
17-08-2024	18-08-2024	75	42	25	BDL	CLOUDY / CALM
18-08-2024	19-08-2024	71	41	27	BDL	CLOUDY / CALM
24-08-2024	25-08-2024	76	40	27	BDL	CLOUDY / CALM
25-08-2024	26-08-2024	83	37	24	BDL	CLOUDY / CALM
29-08-2024	30-08-2024	80	39	26	BDL	CLOUDY / CALM
NAAQS, 2009		100	60	80	80	

DORLI VILLAGE NSOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-08-2024	04-08-2024	76	37	22	BDL	CLOUDY / CALM
04-08-2024	05-08-2024	79	40	25	BDL	CLOUDY / CALM
10-08-2024	11-08-2024	77	38	23	BDL	CLOUDY / CALM
11-08-2024	12-08-2024	80	41	26	BDL	CLOUDY / CALM
17-08-2024	18-08-2024	79	38	23	BDL	CLOUDY / CALM
18-08-2024	19-08-2024	80	39	24	BDL	CLOUDY / CALM
24-08-2024	25-08-2024	84	43	28	BDL	CLOUDY / CALM
25-08-2024	26-08-2024	82	41	26	BDL	CLOUDY / CALM
29-08-2024	30-08-2024	79	37	26	BDL	CLOUDY / CALM
NAAQS, 2009		100	60	80	80	

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24

MINE WATER DISCHARGE: NBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-08-2024	8.41	34	48	BDL
28-08-2024	7.85	32	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

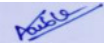
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, AUG-2015
SAMPLING METHOD	LSOP 6

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	10-08-2024	53.3	52.1
AUG'24	26-08-2024	52.3	51.4
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
AUG'24	10-08-2024	45.5	43.8
AUG'24	26-08-2024	42.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DORLI VILLAGE		NSON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	10-08-2024	43.3	41.9
AUG'24	26-08-2024	42.3	41.8
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
AUG'24	10-08-2024	43.7	42.1
AUG'24	26-08-2024	44.2	41.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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NAGPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/5	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
02-08-2024	03-08-2024	344	221	60	31	18	CLOUDY/CALM
28-08-2024	29-08-2024	351	225	62	33	19	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
		5	2	6	10	
05-08-2024	06-08-2024	80	39	25	BDL	CLOUDY/CALM
06-08-2024	07-08-2024	75	40	26	BDL	CLOUDY/CALM
12-08-2024	13-08-2024	76	41	27	BDL	CLOUDY/CALM
13-08-2024	14-08-2024	75	35	23	BDL	CLOUDY/CALM
19-08-2024	20-08-2024	84	41	27	BDL	CLOUDY/CALM
20-08-2024	20-08-2024	79	42	28	BDL	CLOUDY/CALM
26-08-2024	26-08-2024	80	43	29	BDL	CLOUDY/CALM
27-08-2024	27-08-2024	79	37	25	BDL	CLOUDY/CALM
30-08-2024	30-08-2024	81	40	26	BDL	CLOUDY/CALM
NAAQS, 2009		100	60	80	80	

KERDI VILLAGE NDRSA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-08-2024	06-08-2024	76	36	24	BDL	CLOUDY/CALM
06-08-2024	07-08-2024	74	37	25	BDL	CLOUDY/CALM
12-08-2024	13-08-2024	77	40	28	BDL	CLOUDY/CALM
13-08-2024	14-08-2024	76	39	27	BDL	CLOUDY/CALM
19-08-2024	20-08-2024	80	38	26	BDL	CLOUDY/CALM
20-08-2024	20-08-2024	78	39	27	BDL	CLOUDY/CALM
26-08-2024	26-08-2024	79	40	28	BDL	CLOUDY/CALM
27-08-2024	27-08-2024	80	41	29	BDL	CLOUDY/CALM
30-08-2024	30-08-2024	82	41	27	BDL	CLOUDY/CALM
NAAQS, 2009		100	60	80	80	

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

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

STATION MANAGER OFFICE		NKC1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	10-08-2024	54.5	52.8
AUG'24	26-08-2024	53.2	52.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NANDGAON VILLAGE		NKC2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	10-08-2024	44.4	42.9
AUG'24	26-08-2024	42.2	41.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

GONDEGAON OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



AUGUST 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/AUG-24/3	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSPQ 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24	

NEAR SUBSTATION / SAM OFFICE NGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
09-08-2024	10-08-2024	363	194	52	36	19	CLOUDY/CALM
23-08-2024	24-08-2024	370	198	54	38	20	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-08-2024	06-08-2024	71	35	25	BDL	CLOUDY/CALM
06-08-2024	07-08-2024	73	36	26	BDL	CLOUDY/CALM
12-08-2024	13-08-2024	75	37	27	BDL	CLOUDY/CALM
13-08-2024	14-08-2024	80	36	22	BDL	CLOUDY/CALM
19-08-2024	20-08-2024	75	37	27	BDL	CLOUDY/CALM
20-08-2024	21-08-2024	77	38	28	BDL	CLOUDY/CALM
26-08-2024	27-08-2024	79	39	29	BDL	CLOUDY/CALM
27-08-2024	28-08-2024	84	38	24	BDL	CLOUDY/CALM
30-08-2024	31-08-2024	82	41	28	BDL	CLOUDY/CALM
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	
09-08-2024	10-08-2024	354	198	53	37	20	CLOUDY/CALM
23-08-2024	24-08-2024	361	202	55	39	21	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
05-08-2024	06-08-2024	69	36	23	BDL	CLOUDY/CALM
06-08-2024	07-08-2024	80	37	24	BDL	CLOUDY/CALM
12-08-2024	13-08-2024	68	38	25	BDL	CLOUDY/CALM
13-08-2024	14-08-2024	69	34	24	BDL	CLOUDY/CALM
19-08-2024	20-08-2024	73	38	25	BDL	CLOUDY/CALM
20-08-2024	21-08-2024	84	39	26	BDL	CLOUDY/CALM
26-08-2024	27-08-2024	72	40	27	BDL	CLOUDY/CALM
27-08-2024	28-08-2024	73	36	26	BDL	CLOUDY/CALM
30-08-2024	31-08-2024	81	40	27	BDL	CLOUDY/CALM
NAAQS, 2009		100	60	80	80	

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24

MINE WATER DISCHARGE NGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-08-2024	8.23	28	40	BDL
23-08-2024	8.08	34	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE NGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-08-2024	8.28	30	40	BDL
23-08-2024	8.31	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, AUG-2015
SAMPLING METHOD	LSOP 6

CHP		NGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	10-08-2024	68.5	66.1
AUG'24	26-08-2024	65.3	64.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GONDEGAON VILLAGE/COLONY		NGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	10-08-2024	44.3	42.8
AUG'24	26-08-2024	42.1	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE:		NKC3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	10-08-2024	44.4	42.7
AUG'24	26-08-2024	43.3	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUGUST 2024

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TEST REPORT NO.	RIN/TR/AUG-24/6	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

COLLIERY MANAGER OFFICE NPTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	356	201	56	32	18	CLOUDY /CALM
22-08-2024	23-08-2024	363	205	58	34	19	CLOUDY /CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SADBHAVAN NAGAR (FILTER PLANT) NPTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	74	43	21	BDL	CLEAR /CALM	
28-08-2024	29-08-2024	78	45	23	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	75	41	24	BDL	CLEAR /CALM	
28-08-2024	29-08-2024	79	43	26	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	74	39	23	BDL	CLEAR /CALM	
28-08-2024	29-08-2024	78	41	25	BDL	CLEAR /CALM	
NAAQS, 2009		100	60	80	80		

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24

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
08-08-2024	8.35	20	24	BDL
25-08-2024	8.31	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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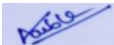
NOISE LEVEL MONITORING DATA

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

FAN HOUSE		NPTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	10-08-2024	68.2	66.8
AUG'24	26-08-2024	69.5	68.4
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
AUG'24	10-08-2024	46.6	44.4
AUG'24	26-08-2024	49.2	48.4
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
AUG'24	10-08-2024	43.3	42.8
AUG'24	26-08-2024	42.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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TEST REPORT NO.	RIN/TR/AUG-24/9	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

WATER FILTER FLANT NSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-08-2024	08-08-2024	360	213	58	31	20	CLOUDY/CALM
21-08-2024	22-08-2024	367	217	60	33	21	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

V.T.C. SILEWARA NSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	366	215	59	33	19	CLOUDY/CALM
22-08-2024	23-08-2024	373	219	61	35	20	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANDIR NEAR KANHAN RIVER NSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07-08-2024	08-08-2024	76	39	25	BDL	CLOUDY/CALM	
21-08-2024	22-08-2024	80	41	27	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

CHANKAPUR PUMP HOUSE/ COLONY NSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07-08-2024	08-08-2024	75	38	24	BDL	CLOUDY/CALM	
21-08-2024	22-08-2024	79	40	26	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-08-24 TO 15-09-24

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
07-08-2024	7.74	18	24	BDL
21-08-2024	8.04	32	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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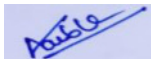
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE: NSUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	10-08-2024	69.5	68.8
AUG'24	26-08-2024	69.3	68.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SILEWARA): NSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	10-08-2024	44.6	42.9
AUG'24	26-08-2024	42.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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TEST REPORT NO.	RIN/TR/AUG-24/10	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

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	
		5	5	2	6	10	
08-08-2024	09-08-2024	362	206	59	34	20	CLOUDY / CALM
22-08-2024	23-08-2024	369	210	61	36	21	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
		5	2	6	10	
03-08-2024	03-08-2024	77	37	24	BDL	CLOUDY / CALM
04-08-2024	04-08-2024	75	38	25	BDL	CLOUDY / CALM
10-08-2024	10-08-2024	80	39	25	BDL	CLOUDY / CALM
11-08-2024	11-08-2024	79	38	24	BDL	CLOUDY / CALM
17-08-2024	17-08-2024	81	39	26	BDL	CLOUDY / CALM
18-08-2024	18-08-2024	79	40	27	BDL	CLOUDY / CALM
24-08-2024	24-08-2024	82	39	25	BDL	CLOUDY / CALM
25-08-2024	25-08-2024	84	41	27	BDL	CLOUDY / CALM
29-08-2024	29-08-2024	78	39	28	BDL	CLOUDY / CALM
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	
		5	2	6	10	
03-08-2024	03-08-2024	79	40	25	BDL	CLOUDY / CALM
04-08-2024	04-08-2024	74	34	21	BDL	CLOUDY / CALM
10-08-2024	10-08-2024	80	40	27	BDL	CLOUDY / CALM
11-08-2024	11-08-2024	76	36	23	BDL	CLOUDY / CALM
17-08-2024	17-08-2024	83	42	27	BDL	CLOUDY / CALM
18-08-2024	18-08-2024	78	36	23	BDL	CLOUDY / CALM
24-08-2024	24-08-2024	81	39	26	BDL	CLOUDY / CALM
25-08-2024	25-08-2024	80	38	25	BDL	CLOUDY / CALM
29-08-2024	29-08-2024	80	38	27	BDL	CLOUDY / CALM
NAAQS, 2009		100	60	80	80	

DORLI VILLAGE NSOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
03-08-2024	04-08-2024	76	37	22	BDL	CLOUDY / CALM
04-08-2024	05-08-2024	79	40	25	BDL	CLOUDY / CALM
10-08-2024	11-08-2024	77	38	23	BDL	CLOUDY / CALM
11-08-2024	12-08-2024	80	41	26	BDL	CLOUDY / CALM
17-08-2024	18-08-2024	79	38	23	BDL	CLOUDY / CALM
18-08-2024	19-08-2024	80	39	24	BDL	CLOUDY / CALM
24-08-2024	25-08-2024	84	43	28	BDL	CLOUDY / CALM
25-08-2024	26-08-2024	82	41	26	BDL	CLOUDY / CALM
29-08-2024	30-08-2024	79	37	26	BDL	CLOUDY / CALM
NAAQS, 2009		100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-08-24 TO 15-09-24

MINE WATER DISCHARGE: NSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-08-2024	8.11	18	24	BDL
22-08-2024	8.24	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

CONTRACTOR CAMP: NSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	10-08-2024	54.6	53.2
AUG'24	26-08-2024	53.2	52.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SOHALI VILLAGE: NSON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	10-08-2024	43.7	42.1
AUG'24	26-08-2024	44.2	41.9
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
AUG'24	10-08-2024	43.3	41.9
AUG'24	26-08-2024	42.3	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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JOB NO. 4094423068



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/AUG-24/7	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

MANAGER OFFICE NWUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-08-2024	10-08-2024	364	208	59	35	19	CLOUDY/CALM
22-08-2024	23-08-2024	371	212	61	37	20	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-08-2024	02-08-2024	75	38	23	BDL		CLOUDY / LIGHT BREEZE
16-08-2024	17-08-2024	79	40	25	BDL		CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24

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
08-08-2024	8.13	22	28	BDL
22-08-2024	8.03	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

NEAR MANAGER OFFICE NWUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	10-08-2024	52.1	51.1
AUG'24	26-08-2024	53.3	52.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

TRANSIT HOTEL NWUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	10-08-2024	45.5	44.8
AUG'24	26-08-2024	46.2	45.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/AUG-24/11	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

MANAGER OFFICE UM30A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
02-08-2024	03-08-2024	260	156	50	13	11	Rainy sky /Light breeze
17-08-2024	18-08-2024	245	138	42	12	10	Rainy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR RLY. WEIGHT BRIDGE UM30A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
02-08-2024	03-08-2024	255	145	48	11	10	Rainy sky /Light breeze
17-08-2024	18-08-2024	269	150	56	12	11	Rainy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIPARDOL VILLAGE UM30A3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
02-08-2024	03-08-2024	72	22	6	BDL	Rainy sky / moderate breeze
03-08-2024	04-08-2024	74	24	7	BDL	Rainy sky / moderate breeze
09-08-2024	10-08-2024	76	26	7	BDL	Rainy sky / moderate breeze
10-08-2024	11-08-2024	78	28	8	BDL	Rainy sky / moderate breeze
16-08-2024	17-08-2024	76	26	6	BDL	Cloudy sky /light breeze
17-08-2024	18-08-2024	78	28	8	BDL	Cloudy sky /light breeze
22-08-2024	23-08-2024	82	32	9	BDL	Clear sky /Calm
23-08-2024	24-08-2024	80	30	8	BDL	Clear sky /Calm
28-08-2024	29-08-2024	78	28	8	BDL	Clear sky /Calm
NAAQS, 2009		100	60	80	80	

WELSAKARA VILLAGE UM30A4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
02-08-2024	03-08-2024	78	28	8	BDL	Rainy sky / moderate breeze
03-08-2024	04-08-2024	76	26	7	BDL	Rainy sky / moderate breeze
09-08-2024	10-08-2024	74	24	6	BDL	Rainy sky / moderate breeze
10-08-2024	11-08-2024	78	28	8	BDL	Rainy sky / moderate breeze
16-08-2024	17-08-2024	76	26	7	BDL	Cloudy sky /light breeze
17-08-2024	18-08-2024	74	24	6	BDL	Cloudy sky /light breeze
22-08-2024	23-08-2024	80	30	8	BDL	Clear sky /Calm
23-08-2024	24-08-2024	78	28	7	BDL	Clear sky /Calm
28-08-2024	29-08-2024	82	32	9	BDL	Clear sky /Calm
NAAQS, 2009		100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-08-24 TO 15-09-24

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
02-08-2024	8.17	28	40	BDL
17-08-2024	7.99	24	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
02-08-2024	7.88	18	28	BDL
17-08-2024	7.79	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	03-08-2024	46.3	45.4
AUG'24	28-08-2024	50.6	48.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

HEOTI VILLAGE: UM10N3			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	03-08-2024	43.4	42.2
AUG'24	28-08-2024	44.4	42.5
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/AUG-24/12	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-08-2024	04-08-2024	244	141	42	12	11	Rainy sky / Light breeze
18-08-2024	19-08-2024	238	132	38	11	10	Rainy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
04-08-2024	05-08-2024	72	32	6	BDL	Rainy sky / Moderate breeze
05-08-2024	06-08-2024	76	26	7	BDL	Rainy sky / Moderate breeze
11-08-2024	12-08-2024	74	24	6	BDL	Rainy sky / Moderate breeze
12-08-2024	13-08-2024	78	28	7	BDL	Rainy sky / Moderate breeze
18-08-2024	19-08-2024	80	30	8	BDL	Clear sky / Calm
19-08-2024	20-08-2024	82	32	9	BDL	Clear sky / Calm
24-08-2024	25-08-2024	78	28	7	BDL	Clear sky / Calm
25-08-2024	26-08-2024	80	30	8	BDL	Clear sky / Calm
28-08-2024	29-08-2024	82	32	9	BDL	Clear sky / Calm
NAAQS, 2009		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	
04-08-2024	05-08-2024	76	26	7	BDL	Rainy sky / Moderate breeze
05-08-2024	06-08-2024	72	22	6	BDL	Rainy sky / Moderate breeze
11-08-2024	12-08-2024	78	28	8	BDL	Rainy sky / Moderate breeze
12-08-2024	13-08-2024	74	24	6	BDL	Rainy sky / Moderate breeze
18-08-2024	19-08-2024	82	32	9	BDL	Clear sky / Calm
19-08-2024	20-08-2024	78	28	7	BDL	Clear sky / Calm
24-08-2024	25-08-2024	80	30	8	BDL	Clear sky / Calm
25-08-2024	26-08-2024	78	28	8	BDL	Clear sky / Calm
28-08-2024	29-08-2024	76	26	7	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

POLGAON VILLAGE UGOA4						
DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
04-08-2024	05-08-2024	78	28	8	BDL	Rainy sky / Moderate breeze
05-08-2024	06-08-2024	76	26	7	BDL	Rainy sky / Moderate breeze
11-08-2024	12-08-2024	74	24	6	BDL	Rainy sky / Moderate breeze
12-08-2024	13-08-2024	72	22	6	BDL	Rainy sky / Moderate breeze
18-08-2024	19-08-2024	78	28	7	BDL	Clear sky / Calm
19-08-2024	20-08-2024	80	30	8	BDL	Clear sky / Calm
24-08-2024	25-08-2024	82	32	9	BDL	Clear sky / Calm
25-08-2024	26-08-2024	76	26	6	BDL	Clear sky / Calm
28-08-2024	29-08-2024	80	30	8	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

NEAR VIEW POINT UGOA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
		5	5	2	6	10	
03-08-2024	04-08-2024	250	148	44	13	12	Rainy sky / Light breeze
18-08-2024	19-08-2024	248	132	48	12	10	Rainy sky / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	




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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G:		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24

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
03-08-2024	7.92	20	32	BDL
18-08-2024	7.67	22	36	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
03-08-2024	7.77	16	24	BDL
18-08-2024	7.84	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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

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

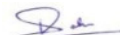
PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	03-08-2024	47.7	45.3
AUG'24	28-08-2024	51.7	50.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CONTRACTOR CAMP: UGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	03-08-2024	43.6	42.7
AUG'24	28-08-2024	46.6	44.8
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
AUG'24	03-08-2024	43.2	42.2
AUG'24	28-08-2024	43.4	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-II OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



AUGUST 2024

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-7182
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TEST REPORT NO.	RIN/TR/AUG-24/14	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

NEAR MANAGER OFFICE		UMOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-08-2024	04-08-2024	244	140	44	13	12	Rainy sky / light breeze
18-08-2024	19-08-2024	250	156	50	12	11	Rainy sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE		UMOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-08-2024	05-08-2024	260	158	56	14	13	Rainy sky / light breeze
19-08-2024	20-08-2024	245	148	48	11	10	Rainy sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE		UJUA3				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-08-2024	05-08-2024	74	24	6	BDL	Rainy sky / Moderate breeze
05-08-2024	06-08-2024	76	26	7	BDL	Rainy sky / Moderate breeze
11-08-2024	12-08-2024	78	28	8	BDL	Rainy sky / Moderate breeze
12-08-2024	13-08-2024	72	22	6	BDL	Rainy sky / Moderate breeze
18-08-2024	19-08-2024	78	28	7	BDL	Clear sky / Calm
19-08-2024	20-08-2024	80	30	8	BDL	Clear sky / Calm
24-08-2024	25-08-2024	82	32	9	BDL	Clear sky / Calm
25-08-2024	26-08-2024	78	28	7	BDL	Clear sky / Calm
28-08-2024	29-08-2024	82	32	9	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY		UJUA4				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-08-2024	05-08-2024	78	28	7	BDL	Rainy sky / Moderate breeze
05-08-2024	06-08-2024	74	24	6	BDL	Rainy sky / Moderate breeze
11-08-2024	12-08-2024	76	26	7	BDL	Rainy sky / Moderate breeze
12-08-2024	13-08-2024	72	22	6	BDL	Rainy sky / Moderate breeze
18-08-2024	19-08-2024	80	30	8	BDL	Clear sky / Calm
19-08-2024	20-08-2024	78	28	7	BDL	Clear sky / Calm
24-08-2024	25-08-2024	82	32	9	BDL	Clear sky / Calm
25-08-2024	26-08-2024	78	28	7	BDL	Clear sky / Calm
28-08-2024	29-08-2024	80	30	9	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

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

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

NEAR PIT OFFICE: UMON1		UMON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) DAY TIME
		DETECTION LIMIT	20
AUG'24	03-08-2024	44.7	43.5
AUG'24	28-08-2024	48.7	46.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70


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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



AUGUST 2024

Environment Laboratory

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/AUG-24/34	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM ₅	PM ₁₀ ₅	PM _{2.5} ₅	NO ₂ ₆	SO ₂ ₁₀	
02-08-2024	03-08-2024	255	153	52	13	12	Rainy sky /Light breeze
17-08-2024	18-08-2024	244	146	48	12	11	Rainy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀ ₅	PM _{2.5} ₅	NO ₂ ₆	SO ₂ ₁₀	
02-08-2024	03-08-2024	72	22	6	BDL	Rainy sky / moderate breeze
03-08-2024	04-08-2024	74	24	7	BDL	Rainy sky / moderate breeze
09-08-2024	10-08-2024	80	30	8	BDL	Rainy sky / moderate breeze
10-08-2024	11-08-2024	82	32	9	BDL	Rainy sky / moderate breeze
16-08-2024	17-08-2024	78	28	8	BDL	Cloudy sky /light breeze
17-08-2024	18-08-2024	80	32	9	BDL	Cloudy sky /light breeze
22-08-2024	23-08-2024	80	32	9	BDL	Clear sky /Calm
23-08-2024	24-08-2024	76	26	7	BDL	Clear sky /Calm
28-08-2024	29-08-2024	80	32	9	BDL	Clear sky /Calm
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀ ₅	PM _{2.5} ₅	NO ₂ ₆	SO ₂ ₁₀	
02-08-2024	03-08-2024	74	24	7	BDL	Rainy sky / moderate breeze
03-08-2024	04-08-2024	72	22	6	BDL	Rainy sky / moderate breeze
09-08-2024	10-08-2024	76	26	7	BDL	Rainy sky / moderate breeze
10-08-2024	11-08-2024	72	22	6	BDL	Rainy sky / moderate breeze
16-08-2024	17-08-2024	76	26	7	BDL	Cloudy sky /light breeze
17-08-2024	18-08-2024	78	30	7	BDL	Cloudy sky /light breeze
22-08-2024	23-08-2024	80	32	8	BDL	Clear sky /Calm
23-08-2024	24-08-2024	78	28	7	BDL	Clear sky /Calm
28-08-2024	29-08-2024	82	32	9	BDL	Clear sky /Calm
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	
02-08-2024	03-08-2024	76	26	7	BDL	Rainy sky / moderate breeze
03-08-2024	04-08-2024	74	24	6	BDL	Rainy sky / moderate breeze
09-08-2024	10-08-2024	78	28	8	BDL	Rainy sky / moderate breeze
10-08-2024	11-08-2024	74	24	6	BDL	Rainy sky / moderate breeze
16-08-2024	17-08-2024	78	28	8	BDL	Cloudy sky /light breeze
17-08-2024	18-08-2024	76	26	7	BDL	Cloudy sky /light breeze
22-08-2024	23-08-2024	80	30	8	BDL	Clear sky /Calm
23-08-2024	24-08-2024	82	32	9	BDL	Clear sky /Calm
28-08-2024	29-08-2024	78	28	7	BDL	Clear sky /Calm
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	
02-08-2024	03-08-2024	72	22	6	BDL	Rainy sky / moderate breeze
03-08-2024	04-08-2024	76	26	7	BDL	Rainy sky / moderate breeze
09-08-2024	10-08-2024	74	24	6	BDL	Rainy sky / moderate breeze
10-08-2024	11-08-2024	78	28	8	BDL	Rainy sky / moderate breeze
16-08-2024	17-08-2024	80	30	8	BDL	Cloudy sky /light breeze
17-08-2024	18-08-2024	78	28	7	BDL	Cloudy sky /light breeze
22-08-2024	23-08-2024	82	32	9	BDL	Clear sky /Calm
23-08-2024	24-08-2024	80	30	8	BDL	Clear sky /Calm
28-08-2024	29-08-2024	78	28	7	BDL	Clear sky /Calm
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		SO ₂
FROM	TO	5	5	2	6	10	
04-08-2024	05-08-2024	266	163	58	14	12	Rainy sky /Light breeze
19-08-2024	20-08-2024	250	158	48	12	11	Rainy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-08-24 TO 15-09-24

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
02-08-2024	7.87	22	28	BDL
17-08-2024	7.82	26	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
02-08-2024	7.7	14	24	BDL
17-08-2024	7.84	16	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

PIT OFFICE: UM10N1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	03-08-2024	46.7	44.3
AUG'24	28-08-2024	49.7	47.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	03-08-2024	43.6	42.3
AUG'24	28-08-2024	43.5	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	03-08-2024	43.4	42.2
AUG'24	28-08-2024	44.4	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




AUGUST 2024

Environment Laboratory

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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/15	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

NEAR PIT OFFICE UMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-08-2024	06-08-2024	256	152	48	12	11	Rainy sky /Light breeze
20-08-2024	21-08-2024	265	163	56	13	12	Rainy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR MAGAZINE BUILDING UMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-08-2024	06-08-2024	248	145	40	11	10	Rainy sky /Light breeze
20-08-2024	21-08-2024	250	156	52	12	11	Rainy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	14	120	

COLONY (MURPAR UG) UMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	06-08-2024	72	22	6	BDL	Rainy sky /Light breeze	
20-08-2024	21-08-2024	74	24	7	BDL	Rainy sky /Light breeze	
NAAQS, 2009		100	60	80	80		

MORPAR VILLAGE UMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	06-08-2024	76	26	7	BDL	Rainy sky /Light breeze	
20-08-2024	21-08-2024	78	28	8	BDL	Rainy sky /Light breeze	
NAAQS, 2009		100	60	80	80		

J. Shy

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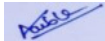
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		UMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
		20	20
AUG'24	05-08-2024	43.3	42.3
AUG'24	28-08-2024	44.5	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
		20	20
AUG'24	05-08-2024	44.2	42.6
AUG'24	28-08-2024	43.5	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

UMRER OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




AUGUST 2024

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/AUG-24/16	DATE OF ISSUE	28-09-2024		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE		SAMPLING PLAN :	LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-08-24 TO 15-09-24	

UMRER MANAGER OFFICE UJOOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-08-2024	03-08-2024	5	5	2	6	10	Rainy sky /Light breeze
17-08-2024	18-08-2024	252	150	52	13	10	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR WORKSHOP UJOOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-08-2024	04-08-2024	5	5	2	6	10	Rainy sky /Light breeze
18-08-2024	19-08-2024	244	142	44	12	11	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE UJOOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-08-2024	04-08-2024	5	5	2	6	10	Rainy, overcast / Calm
05-08-2024	05-08-2024	80	30	8	BDL		
11-08-2024	11-08-2024	78	28	7	BDL		Rainy, partially cloud / light breeze
12-08-2024	12-08-2024	74	22	6	BDL		Rainy, partially cloud / light breeze
18-08-2024	18-08-2024	82	32	9	BDL		Rainy, partially cloud / light breeze
18-08-2024	18-08-2024	82	34	9	BDL		Rainy sky / moderate
19-08-2024	19-08-2024	74	24	7	BDL		Rainy sky / moderate
25-08-2024	25-08-2024	72	22	6	BDL		Rainy sky / moderate
26-08-2024	26-08-2024	76	26	6	BDL		Rainy sky / moderate
NAAQS, 2009		100	60	80	80		

NEAR PUMP HOUSE COLONY UJOOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-08-2024	04-08-2024	5	5	2	6	10	Rainy, overcast / Calm
05-08-2024	05-08-2024	82	32	9	BDL		
11-08-2024	11-08-2024	72	22	6	BDL		Rainy, partially cloud / light breeze
12-08-2024	12-08-2024	80	30	8	BDL		Rainy, partially cloud / light breeze
18-08-2024	18-08-2024	78	28	8	BDL		Rainy, partially cloud / light breeze
18-08-2024	18-08-2024	80	30	8	BDL		Rainy sky / moderate
19-08-2024	19-08-2024	74	22	6	BDL		Rainy sky / moderate
25-08-2024	25-08-2024	78	28	8	BDL		Rainy sky / moderate
26-08-2024	26-08-2024	82	32	9	BDL		Rainy sky / moderate
NAAQS, 2009		100	60	80	80		

J. Shetty

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24


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
02-08-2024	8.38	28	40	BDL
17-08-2024	7.92	30	44	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
02-08-2024	7.93	22	32	BDL
17-08-2024	7.85	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: UUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
02-08-2024	28	12.6
17-08-2024	32	11.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

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

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

CHP:		JUON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
		DETECTION LIMIT	20
AUG'24	03-08-2024	62.7	61.5
AUG'24	28-08-2024	63.7	62.5
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
AUG'24	03-08-2024	43.5	42.4
AUG'24	28-08-2024	44.4	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

GHUGUS OC

WANI AREA

WESTERN COALFIELDS LTD.


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 <p>TC-7102</p>
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TEST REPORT NO.	RIN/TR/AUG-24/17	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24


ACC PATCH NEAR ACC COLONY WGOA1							
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	
07-08-2024	08-08-2024	342	237	63	24	13	CLEAR / LIGHT BREEZE
21-08-2024	22-08-2024	273	181	57	19	11	RAINY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH AUGember 2000		600	300	-	120	120	

SAM OFFICE WGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-08-2024	09-08-2024	329	231	64	23	BDL	CLEAR / LIGHT BREEZE
21-08-2024	22-08-2024	271	173	57	21	BDL	RAINY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH AUGember 2000		600	300	-	120	120	

RAM NAGAR COLONY WGOA3							
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		
02-08-2024	03-08-2024	72	29	14	BDL	RAINY / LIGHT BREEZE	
03-08-2024	04-08-2024	76	32	15	BDL	RAINY / LIGHT BREEZE	
09-08-2024	10-08-2024	82	41	17	BDL	CLEAR / CALM	
10-08-2024	11-08-2024	73	31	16	BDL	RAINY / LIGHT BREEZE	
16-08-2024	17-08-2024	78	32	17	BDL	RAINY / LIGHT BREEZE	
17-08-2024	18-08-2024	84	33	15	BDL	CLOUDY / CALM	
23-08-2024	24-08-2024	80	30	16	BDL	CLEAR / CALM	
24-08-2024	25-08-2024	91	38	17	BDL	CLEAR / CALM	
28-08-2024	29-08-2024	86	39	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 µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02-08-2024	03-08-2024	76	31	13	BDL	RAINY / LIGHT BREEZE	
03-08-2024	04-08-2024	80	33	15	BDL	RAINY / LIGHT BREEZE	
09-08-2024	10-08-2024	77	29	17	BDL	CLEAR / CALM	
10-08-2024	11-08-2024	76	34	14	BDL	RAINY / LIGHT BREEZE	
16-08-2024	17-08-2024	74	31	16	BDL	RAINY / LIGHT BREEZE	
17-08-2024	18-08-2024	80	38	15	BDL	CLOUDY / CALM	
23-08-2024	24-08-2024	82	33	13	BDL	CLEAR / CALM	
24-08-2024	25-08-2024	86	38	17	BDL	CLEAR / CALM	
28-08-2024	29-08-2024	89	41	16	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		


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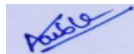
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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NOISE LEVEL MONITORING DATA

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

CHP: WGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	08-08-2024	67.6	66.5
AUG'24	21-08-2024	68.5	66.4
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
AUG'24	08-08-2024	45.2	44.3
AUG'24	21-08-2024	45.5	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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WANI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/18	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

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	
06-08-2024	07-08-2024	264	173	56	21	BDL	RAINY / LIGHT BREEZE
20-08-2024	21-08-2024	278	233	64	23	BDL	RAINY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH AUGember 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	
06-08-2024	07-08-2024	264	183	56	20	BDL	RAINY / LIGHT BREEZE
20-08-2024	21-08-2024	286	191	59	19	BDL	RAINY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH AUGember 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	
04-08-2024	05-08-2024	73	31	13	BDL	RAINY / LIGHT BREEZE
05-08-2024	06-08-2024	76	34	15	BDL	RAINY / LIGHT BREEZE
11-08-2024	12-08-2024	79	42	16	BDL	RAINY / LIGHT BREEZE
12-08-2024	13-08-2024	76	33	14	BDL	RAINY / LIGHT BREEZE
18-08-2024	19-08-2024	88	42	17	BDL	CLOUDY / LIGHT BREEZE
19-08-2024	20-08-2024	84	39	15	BDL	CLOUDY / LIGHT BREEZE
25-08-2024	26-08-2024	89	41	14	BDL	CLEAR / CALM
26-08-2024	27-08-2024	90	40	13	BDL	CLEAR / CALM
29-08-2024	30-08-2024	92	36	14	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

KAILSHNAGAR TOWNSHIP - FILTER PLANT		WMOA3				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
04-08-2024	05-08-2024	78	33	13	BDL	RAINY / LIGHT BREEZE
05-08-2024	06-08-2024	72	34	14	BDL	RAINY / LIGHT BREEZE
11-08-2024	12-08-2024	79	38	16	BDL	RAINY / LIGHT BREEZE
12-08-2024	13-08-2024	82	41	17	BDL	RAINY / LIGHT BREEZE
18-08-2024	19-08-2024	84	37	15	BDL	CLOUDY / LIGHT BREEZE
19-08-2024	20-08-2024	78	35	14	BDL	CLOUDY / LIGHT BREEZE
25-08-2024	26-08-2024	81	40	16	BDL	CLEAR / CALM
26-08-2024	27-08-2024	84	39	17	BDL	CLEAR / CALM
29-08-2024	30-08-2024	87	42	16	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
11-08-2024	7.63	46	28	BDL
26-08-2024	7.42	38	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

MANAGER OFFICE:		WKON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	08-08-2024	52.2	51.4
AUG'24	21-08-2024	54.1	51.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI):		WKON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	08-08-2024	44.3	43.3
AUG'24	21-08-2024	44.6	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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JOB NO. 4094423068



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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/19	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

SUBSTATION WMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-08-2024	07-08-2024	284	184	57	19	BDL	RAINY / LIGHT BREEZE
20-08-2024	21-08-2024	273	163	58	20	BDL	RAINY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH AUGember 2000		600	300	-	120	120	


SAM OFFICE WMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-08-2024	07-08-2024	264	183	56	20	BDL	RAINY / LIGHT BREEZE
20-08-2024	21-08-2024	286	191	59	19	BDL	RAINY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH AUGember 2000		600	300	-	120	120	

KAILSHNAGAR TOWNSHIP - FILTER PLANT WMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-08-2024	05-08-2024	78	33	13	BDL	RAINY / LIGHT BREEZE	
05-08-2024	06-08-2024	72	34	14	BDL	RAINY / LIGHT BREEZE	
11-08-2024	12-08-2024	79	38	16	BDL	RAINY / LIGHT BREEZE	
12-08-2024	13-08-2024	82	41	17	BDL	RAINY / LIGHT BREEZE	
18-08-2024	19-08-2024	84	37	15	BDL	CLOUDY / LIGHT BREEZE	
19-08-2024	20-08-2024	78	35	14	BDL	CLOUDY / LIGHT BREEZE	
25-08-2024	26-08-2024	81	40	16	BDL	CLEAR / CALM	
26-08-2024	27-08-2024	84	39	17	BDL	CLEAR / CALM	
29-08-2024	30-08-2024	87	42	16	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-08-2024	05-08-2024	73	31	14	BDL	RAINY / LIGHT BREEZE	
05-08-2024	06-08-2024	76	36	16	BDL	RAINY / LIGHT BREEZE	
11-08-2024	12-08-2024	74	34	17	BDL	RAINY / LIGHT BREEZE	
12-08-2024	13-08-2024	75	33	18	BDL	RAINY / LIGHT BREEZE	
18-08-2024	19-08-2024	84	39	17	BDL	CLOUDY / LIGHT BREEZE	
19-08-2024	20-08-2024	81	40	16	BDL	CLOUDY / LIGHT BREEZE	
25-08-2024	26-08-2024	76	33	16	BDL	CLEAR / CALM	
26-08-2024	27-08-2024	89	37	15	BDL	CLEAR / CALM	
29-08-2024	30-08-2024	91	41	14	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
11-08-2024	7.63	38	28	BDL
26-08-2024	7.44	46	40	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
11-08-2024	7.69	38	32	BDL
26-08-2024	7.53	44	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 PRAUGOCOL FOR AMBIENT NOISE MEASUREMENT, AUG-2015
SAMPLING METHOD	LSOP 6

CHP: WMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	08-08-2024	64.7	63.3
AUG'24	21-08-2024	67.6	65.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI): WMON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	08-08-2024	44.3	43.3
AUG'24	21-08-2024	44.6	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




AUGUST 2024



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

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/AUG-24/20	DATE OF ISSUE	28-09-2024		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-08-24 TO 15-09-24	


SAM OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
07-08-2024	08-08-2024	281	187	58	19	BDL	RAINY / LIGHT BREEZE
21-08-2024	22-08-2024	342	231	64	23	11	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH AUGember 2000		600	300	-	120	120	

WORKSHOP ETP NOCM WNOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
07-08-2024	08-08-2024	273	183	58	20	BDL	RAINY / LIGHT BREEZE
21-08-2024	22-08-2024	327	231	63	23	13	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH AUGember 2000		600	300	-	120	120	

BELLORA REHABILITATION VILLAGE WNGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
02-08-2024	03-08-2024	77	32	13	BDL	RAINY / LIGHT BREEZE	
03-08-2024	04-08-2024	80	33	15	BDL	RAINY / LIGHT BREEZE	
11-08-2024	12-08-2024	72	31	14	BDL	RAINY / LIGHT BREEZE	
12-08-2024	13-08-2024	78	34	16	BDL	RAINY / LIGHT BREEZE	
16-08-2024	17-08-2024	82	34	17	BDL	RAINY / LIGHT BREEZE	
17-08-2024	18-08-2024	89	40	16	BDL	CLOUDY / LIGHT BREEZE	
23-08-2024	24-08-2024	91	40	15	BDL	CLEAR / CALM	
24-08-2024	25-08-2024	92	41	14	BDL	CLEAR / CALM	
28-08-2024	29-08-2024	88	38	16	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		

FILTER PLANT NEAR VIP GUEST HOUSE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
02-08-2024	03-08-2024	71	30	14	BDL	RAINY / LIGHT BREEZE	
03-08-2024	04-08-2024	73	34	16	BDL	RAINY / LIGHT BREEZE	
11-08-2024	12-08-2024	79	37	17	BDL	RAINY / LIGHT BREEZE	
12-08-2024	13-08-2024	82	41	15	BDL	RAINY / LIGHT BREEZE	
16-08-2024	17-08-2024	74	37	13	BDL	RAINY / LIGHT BREEZE	
17-08-2024	18-08-2024	88	42	16	BDL	CLOUDY / LIGHT BREEZE	
23-08-2024	24-08-2024	91	37	15	BDL	CLEAR / CALM	
24-08-2024	25-08-2024	84	36	16	BDL	CLEAR / CALM	
28-08-2024	29-08-2024	87	38	17	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-08-2024	3.32	48	16	BDL
24-08-2024	3.60	52	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-08-2024	7.78	38	36	BDL
24-08-2024	7.85	52	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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

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

CHP: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
AUG'24	08-08-2024	66.4	65.3
AUG'24	21-08-2024	68.3	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
AUG'24	08-08-2024	45.2	44.3
AUG'24	21-08-2024	45.5	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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WANI AREA

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AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/21	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

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	
07-08-2024	08-08-2024	264	179	58	20	BDL	RAINY / LIGHT BREEZE
21-08-2024	22-08-2024	319	231	63	24	12	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH AUGember 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	
07-08-2024	08-08-2024	273	183	58	20	BDL	RAINY / LIGHT BREEZE
21-08-2024	22-08-2024	327	231	63	23	13	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH AUGember 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	
04-08-2024	05-08-2024	73	32	16	BDL	RAINY / LIGHT BREEZE
05-08-2024	06-08-2024	78	34	14	BDL	RAINY / LIGHT BREEZE
11-08-2024	12-08-2024	75	31	13	BDL	RAINY / LIGHT BREEZE
12-08-2024	13-08-2024	80	38	15	BDL	RAINY / LIGHT BREEZE
18-08-2024	19-08-2024	84	41	13	BDL	CLOUDY / LIGHT BREEZE
19-08-2024	20-08-2024	88	42	14	BDL	CLOUDY / LIGHT BREEZE
25-08-2024	26-08-2024	89	37	16	BDL	CLEAR / CALM
26-08-2024	27-08-2024	91	39	17	BDL	CLEAR / CALM
29-08-2024	30-08-2024	87	38	16	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

TARODA VILLAGE WNOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-08-2024	05-08-2024	72	33	13	BDL	RAINY / LIGHT BREEZE
05-08-2024	06-08-2024	74	31	15	BDL	RAINY / LIGHT BREEZE
11-08-2024	12-08-2024	79	34	17	BDL	RAINY / LIGHT BREEZE
12-08-2024	13-08-2024	89	39	14	BDL	RAINY / LIGHT BREEZE
18-08-2024	19-08-2024	90	38	16	BDL	CLOUDY / LIGHT BREEZE
19-08-2024	20-08-2024	87	36	17	BDL	CLOUDY / LIGHT BREEZE
25-08-2024	26-08-2024	81	41	16	BDL	CLEAR / CALM
26-08-2024	27-08-2024	86	42	14	BDL	CLEAR / CALM
29-08-2024	30-08-2024	87	40	14	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
04-08-2024	7.61	46	40	BDL
26-08-2024	7.35	58	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(NILJAI-S)TREATED WATER: WNOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-08-2024	7.73	34	28	BDL
26-08-2024	7.51	52	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)T.WATER: WNOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
04-08-2024	72	10.8
26-08-2024	66	11.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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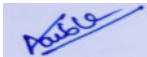
NOISE LEVEL MONITORING DATA

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

CHP-NILJAI:		W/NON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	08-08-2024	66.5	65.6
AUG'24	21-08-2024	67.5	65.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP-NILJAI(S):		W/NON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'23	08-08-2024	67.4	66.5
AUG'23	21-08-2024	68.4	66.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(NILJAI):		W/NON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	08-08-2024	45.4	44.2
AUG'24	21-08-2024	45.2	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/AUG-24/23	DATE OF ISSUE	28-09-2024		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSPQ 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-08-24 TO 15-09-24	

MANAGER OFFICE WPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
06-08-2024	07-08-2024	268	188	56	19	BDL	RAINY / LIGHT BREEZE
26-08-2024	27-08-2024	283	163	59	21	10	RAINY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	


NEAR MINE WPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
06-08-2024	07-08-2024	254	183	57	20	BDL	RAINY / LIGHT BREEZE
20-08-2024	21-08-2024	268	192	59	21	BDL	RAINY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

VIRUR VILLAGE WPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
04-08-2024	05-08-2024	73	33	13	BDL		RAINY / LIGHT BREEZE
05-08-2024	06-08-2024	76	31	16	BDL		RAINY / LIGHT BREEZE
11-08-2024	12-08-2024	79	34	15	BDL		RAINY / LIGHT BREEZE
12-08-2024	13-08-2024	75	32	14	BDL		RAINY / LIGHT BREEZE
18-08-2024	19-08-2024	84	42	13	BDL		CLOUDY / LIGHT BREEZE
19-08-2024	20-08-2024	88	37	14	BDL		CLOUDY / LIGHT BREEZE
25-08-2024	26-08-2024	91	42	15	BDL		CLEAR / CALM
26-08-2024	27-08-2024	92	36	16	BDL		CLEAR / CALM
29-08-2024	30-08-2024	87	40	14	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		

GADEGAON VILLAGE WPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
04-08-2024	05-08-2024	71	32	14	BDL		RAINY / LIGHT BREEZE
05-08-2024	06-08-2024	74	30	15	BDL		RAINY / LIGHT BREEZE
11-08-2024	12-08-2024	79	33	14	BDL		RAINY / LIGHT BREEZE
12-08-2024	13-08-2024	73	31	16	BDL		RAINY / LIGHT BREEZE
18-08-2024	19-08-2024	83	41	17	BDL		CLOUDY / LIGHT BREEZE
19-08-2024	20-08-2024	87	38	16	BDL		CLOUDY / LIGHT BREEZE
25-08-2024	26-08-2024	91	41	13	BDL		CLEAR / CALM
26-08-2024	27-08-2024	90	37	16	BDL		CLEAR / CALM
29-08-2024	30-08-2024	86	38	17	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
11-08-2024	7.79	38	32	BDL
26-08-2024	7.64	46	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 PRDECCOL FOR AMBIENT NOISE MEASUREMENT, AUG-2015
SAMPLING METHOD	LSOP 6

NEAR WORKSHOP: WPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	08-08-2024	53.6	52.2
AUG'24	21-08-2024	56.7	54.2
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



AUGUST 2024

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JARIPATKA, NAGPUR, PIN – 440 014

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
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102
TEST REPORT NO.	RIN/TR/AUG-24/23	DATE OF ISSUE	28-09-2024	
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24	

PROJECT MANAGER OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-08-2024	07-08-2024	192	132	36	14	10	RAINY/MODERATE BREEZE
20-08-2024	21-08-2024	219	152	42	15	12	CLOUDY/CALM
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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-08-2024	07-08-2024	184	127	30	12	BDL	RAINY/MODERATE BREEZE
20-08-2024	21-08-2024	201	145	29	14	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

GHONSA VILLAGE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	06-08-2024	78	22	9	BDL	CLOUDY/LIGHT BREEZE	
06-08-2024	07-08-2024	82	26	10	BDL	CLOUDY/LIGHT BREEZE	
11-08-2024	12-08-2024	70	20	9	BDL	CLOUDY/MODERATE BREEZE	
12-08-2024	13-08-2024	89	24	9	BDL	CLOUDY/MODERATE BREEZE	
18-08-2024	19-08-2024	84	24	10	BDL	CLOUDY/LIGHT BREEZE	
19-08-2024	20-08-2024	67	18	8	BDL	RAINY/LIGHT BREEZE	
25-08-2024	26-08-2024	77	20	9	BDL	CLOUDY/CALM	
26-08-2024	27-08-2024	89	23	10	BDL	CLEAR/CALM	
29-08-2024	30-08-2024	91	26	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

GUEST HOUSE/ COLONY WNGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	06-08-2024	81	23	8	BDL	CLOUDY/LIGHT BREEZE	
06-08-2024	07-08-2024	77	19	9	BDL	CLOUDY/LIGHT BREEZE	
11-08-2024	12-08-2024	89	25	10	BDL	CLOUDY/MODERATE BREEZE	
12-08-2024	13-08-2024	85	22	9	BDL	CLOUDY/MODERATE BREEZE	
18-08-2024	19-08-2024	80	24	9	BDL	CLOUDY/LIGHT BREEZE	
19-08-2024	20-08-2024	69	17	8	BDL	RAINY/LIGHT BREEZE	
25-08-2024	26-08-2024	75	20	9	BDL	CLOUDY/CALM	
26-08-2024	27-08-2024	81	24	10	BDL	CLEAR/CALM	
29-08-2024	30-08-2024	86	27	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
13-08-2024	7.70	24	36	BDL
26-08-2024	8.31	28	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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


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

MANAGER OFFICE: WNGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	12-08-2024	59.4	58.2
AUG'24	28-08-2024	55.3	52.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (GHONSA) WNGON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	12-08-2024	44.1	43.3
AUG'24	28-08-2024	45.1	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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WANI NORTH AREA

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JOB NO. 4094423068



AUGUST 2024



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/24	DATE OF ISSUE	28-08-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

SAM OFFICE WNJOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	
FROM	TO	5	5	2	6	10
07-08-2024	08-08-2024	257	188	39	15	11
21-08-2024	22-08-2024	231	169	33	14	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120


BORGAON VILLAGE WNJOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-08-2024	06-08-2024	71	20	10	BDL	CLOUDY/LIGHT BREEZE
06-08-2024	07-08-2024	79	26	9	BDL	CLOUDY/LIGHT BREEZE
11-08-2024	12-08-2024	88	24	10	BDL	CLOUDY/MODERATE BREEZE
12-08-2024	13-08-2024	85	22	10	BDL	CLOUDY/MODERATE BREEZE
18-08-2024	19-08-2024	78	22	9	BDL	CLOUDY/LIGHT BREEZE
19-08-2024	20-08-2024	64	17	8	BDL	RAINY/LIGHT BREEZE
25-08-2024	26-08-2024	70	20	9	BDL	CLOUDY/CALM
26-08-2024	27-08-2024	79	26	9	BDL	CLEAR/CALM
29-08-2024	30-08-2024	82	27	10	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

BHALAR TOWNSHIP WNNOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-08-2024	06-08-2024	82	28	10	BDL	CLOUDY/LIGHT BREEZE
06-08-2024	07-08-2024	77	22	9	BDL	CLOUDY/LIGHT BREEZE
11-08-2024	12-08-2024	87	26	10	BDL	CLOUDY/MODERATE BREEZE
12-08-2024	13-08-2024	80	21	10	BDL	CLOUDY/MODERATE BREEZE
18-08-2024	19-08-2024	79	22	8	BDL	CLOUDY/LIGHT BREEZE
19-08-2024	20-08-2024	66	16	7	BDL	RAINY/LIGHT BREEZE
25-08-2024	26-08-2024	83	20	9	BDL	CLOUDY/CALM
26-08-2024	27-08-2024	89	26	9	BDL	CLEAR/CALM
29-08-2024	30-08-2024	78	24	8	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

UKNI VILLAGE WNNOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
13-08-2024	14-08-2024	79	22	8	BDL	CLOUDY/MODERATE BREEZE
27-08-2024	28-08-2024	71	20	7	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



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SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24	

MINE WATER DISCHARGE: WNJOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-08-2024	7.32	28	36	BDL
22-08-2024	8.21	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNJOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-08-2024	6.89	24	32	BDL
22-08-2024	8.03	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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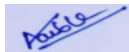
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: WNJON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	08-08-2024	57.6	56.3
AUG'24	28-08-2024	54.6	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
AUG'24	08-08-2024	45.3	44.2
AUG'24	28-08-2024	44.6	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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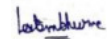
TEST REPORT NO.	RIN/TR/AUG-24/25	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

SUBSTATION KOLARPIMPRI WNKOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	238	141	35	15	10	CLOUDY/CALM
22-08-2024	23-08-2024	251	178	40	16	12	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

REST SHELTER WNKOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	218	128	31	13	BDL	CLOUDY/CALM
22-08-2024	23-08-2024	231	141	27	12	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

PIMPRI VILLAGE WNKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	68	18	8	BDL	RAINY/LIGHT BREEZE	
03-08-2024	04-08-2024	76	20	8	BDL	RAINY/LIGHT BREEZE	
09-08-2024	10-08-2024	83	26	9	BDL	CLOUDY/CALM	
10-08-2024	11-08-2024	72	22	8	BDL	RAINY/LIGHT BREEZE	
16-08-2024	17-08-2024	62	16	8	BDL	RAINY/LIGHT BREEZE	
17-08-2024	18-08-2024	76	19	8	BDL	CLOUDY/LIGHT BREEZE	
23-08-2024	24-08-2024	79	23	9	BDL	CLEAR/CALM	
24-08-2024	25-08-2024	81	22	9	BDL	CLEAR/CALM	
28-08-2024	29-08-2024	86	26	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

WATER FILTER PLANT PRAGATI NAGAR WNKOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	76	23	8	BDL	RAINY/LIGHT BREEZE	
03-08-2024	04-08-2024	70	20	8	BDL	RAINY/LIGHT BREEZE	
09-08-2024	10-08-2024	89	21	9	BDL	CLOUDY/CALM	
10-08-2024	11-08-2024	62	15	8	BDL	RAINY/LIGHT BREEZE	
16-08-2024	17-08-2024	69	16	8	BDL	RAINY/LIGHT BREEZE	
17-08-2024	18-08-2024	74	18	9	BDL	CLOUDY/LIGHT BREEZE	
23-08-2024	24-08-2024	81	23	10	BDL	CLEAR/CALM	
24-08-2024	25-08-2024	83	20	10	BDL	CLEAR/CALM	
28-08-2024	29-08-2024	80	18	9	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

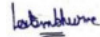


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
11-08-2024	7.93	26	40	BDL
23-08-2024	8.29	30	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

CHP: WNKON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	08-08-2024	70.5	68.6
AUG'24	21-08-2024	68.4	66.2
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
AUG'24	08-08-2024	44.3	43.2
AUG'24	21-08-2024	45.4	43.3
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



AUGUST 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/AUG-24/28	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

NEAR BANDEWADA INCLINE WNRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-08-2024	07-08-2024	234	147	31	13	BDL	RAINY/MODERATE BREEZE
20-08-2024	21-08-2024	249	162	37	15	12	CLOUDY/CALM
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-08-2024	07-08-2024	252	159	39	14	10	RAINY/MODERATE BREEZE
20-08-2024	21-08-2024	271	183	46	16	12	CLOUDY/CALM
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-08-2024	08-08-2024	272	189	42	15	11	CLOUDY/MODERATE BREEZE
21-08-2024	22-08-2024	257	161	37	13	BDL	CLOUDY/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 µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
13-08-2024	14-08-2024	87	26	10	BDL	CLOUDY/MODERATE BREEZE
27-08-2024	28-08-2024	91	29	9	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

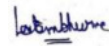
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
08-08-2024	7.73	28	44	BDL
26-08-2024	8.42	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	 <small>TC-7102</small>
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NOISE LEVEL MONITORING DATA


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

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
AUG'24	12-08-2024	59.9	58.4
AUG'24	28-08-2024	68.5	66.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
AUG'24	12-08-2024	44.3	43.2
AUG'24	28-08-2024	43.7	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/27	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

SAM OFFICE WNPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	273	182	38	16	12	CLOUDY/CALM
22-08-2024	23-08-2024	296	199	45	17	13	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

WORKSHOP WNPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	261	166	33	14	10	CLOUDY/CALM
22-08-2024	23-08-2024	277	181	39	15	12	CLOUDY/LIGHT BREEZE
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 µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	76	23	8	BDL	RAINY/LIGHT BREEZE	
03-08-2024	04-08-2024	70	20	8	BDL	RAINY/LIGHT BREEZE	
09-08-2024	10-08-2024	89	21	9	BDL	CLOUDY/CALM	
10-08-2024	11-08-2024	62	15	8	BDL	RAINY/LIGHT BREEZE	
16-08-2024	17-08-2024	69	16	8	BDL	RAINY/LIGHT BREEZE	
17-08-2024	18-08-2024	74	18	9	BDL	CLOUDY/LIGHT BREEZE	
23-08-2024	24-08-2024	81	23	10	BDL	CLEAR/CALM	
24-08-2024	25-08-2024	83	20	10	BDL	CLEAR/CALM	
28-08-2024	29-08-2024	80	18	9	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

BORGAON VILLAGE WNJOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	68	18	8	BDL	RAINY/LIGHT BREEZE	
03-08-2024	04-08-2024	76	20	8	BDL	RAINY/LIGHT BREEZE	
09-08-2024	10-08-2024	83	26	9	BDL	CLOUDY/CALM	
10-08-2024	11-08-2024	72	22	8	BDL	RAINY/LIGHT BREEZE	
16-08-2024	17-08-2024	62	16	8	BDL	RAINY/LIGHT BREEZE	
17-08-2024	18-08-2024	76	19	8	BDL	CLOUDY/LIGHT BREEZE	
23-08-2024	24-08-2024	79	23	9	BDL	CLEAR/CALM	
24-08-2024	25-08-2024	81	22	9	BDL	CLEAR/CALM	
28-08-2024	29-08-2024	86	26	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

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

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

CHP: WNPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
AUG'24	08-08-2024	70.1	68.5
AUG'24	21-08-2024	67.5	64.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
AUG'24	08-08-2024	44.3	43.2
AUG'24	21-08-2024	45.4	43.3
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



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/AUG-24/29	DATE OF ISSUE	28-09-2024		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24		


WORKSHOP PREMISES WNUOA1							
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	
07-08-2024	08-08-2024	258	179	38	14	BDL	CLOUDY/MODERATE BREEZE
21-08-2024	22-08-2024	239	143	32	12	BDL	CLOUDY/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 µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-08-2024	06-08-2024	82	28	10	BDL	CLOUDY/LIGHT BREEZE
06-08-2024	07-08-2024	77	22	9	BDL	CLOUDY/LIGHT BREEZE
11-08-2024	12-08-2024	87	26	10	BDL	CLOUDY/MODERATE BREEZE
12-08-2024	13-08-2024	80	21	10	BDL	CLOUDY/MODERATE BREEZE
18-08-2024	19-08-2024	79	22	8	BDL	CLOUDY/LIGHT BREEZE
19-08-2024	20-08-2024	66	16	7	BDL	RAINY/LIGHT BREEZE
25-08-2024	26-08-2024	83	20	9	BDL	CLOUDY/CALM
26-08-2024	27-08-2024	89	26	9	BDL	CLEAR/CALM
29-08-2024	30-08-2024	78	24	8	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

UKNI VILLAGE WNUOA3						
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	
13-08-2024	14-08-2024	79	22	8	BDL	CLOUDY/MODERATE BREEZE
27-08-2024	28-08-2024	71	20	7	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

PIMPRI VILLAGE WNKO3						
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	
02-08-2024	03-08-2024	68	18	8	BDL	RAINY/LIGHT BREEZE
03-08-2024	04-08-2024	76	20	8	BDL	RAINY/LIGHT BREEZE
09-08-2024	10-08-2024	83	26	9	BDL	CLOUDY/CALM
10-08-2024	11-08-2024	72	22	8	BDL	RAINY/LIGHT BREEZE
16-08-2024	17-08-2024	62	16	8	BDL	RAINY/LIGHT BREEZE
17-08-2024	18-08-2024	76	19	8	BDL	CLOUDY/LIGHT BREEZE
23-08-2024	24-08-2024	79	23	9	BDL	CLEAR/CALM
24-08-2024	25-08-2024	81	22	9	BDL	CLEAR/CALM
28-08-2024	29-08-2024	86	26	10	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		
SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

MINE WATER DISCHARGE: WNUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-08-2024	7.12	26	40	BDL
28-08-2024	8.03	22	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-08-2024	6.79	26	32	BDL
28-08-2024	8.01	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP DISCHARGE: WNUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
12-08-2024	30	14
28-08-2024	26	12
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

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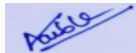
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

CHP: WNUON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	08-08-2024	68.8	67.6
AUG'24	28-08-2024	67.4	65.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNUON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	08-08-2024	45.3	44.2
AUG'24	28-08-2024	44.6	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

WANI RAILWAY SIDING

WANI NORTH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUGUST 2024

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/30	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

NEAR RAILWAY SIDING WNRS A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
05-08-2024	06-08-2024	157	102	30	11	BDL	CLOUDY/LIGHT BREEZE
06-08-2024	07-08-2024	133	97	25	10	BDL	CLOUDY/LIGHT BREEZE
11-08-2024	12-08-2024	168	115	33	11	BDL	CLOUDY/MODERATE BREEZE
12-08-2024	13-08-2024	153	107	28	10	BDL	CLOUDY/MODERATE BREEZE
18-08-2024	19-08-2024	167	112	32	12	9	CLOUDY/LIGHT BREEZE
19-08-2024	20-08-2024	121	88	27	9	5	RAINY/LIGHT BREEZE
25-08-2024	26-08-2024	132	96	30	10	7	CLOUDY/CALM
26-08-2024	27-08-2024	145	100	29	11	8	CLEAR/CALM
29-08-2024	30-08-2024	152	102	31	12	8	CLEAR/CALM
TLV		600	300	-	120	120	

VITTALWADI WNRS A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
05-08-2024	06-08-2024	86	26	10	BDL	CLOUDY/LIGHT BREEZE	
06-08-2024	07-08-2024	77	24	9	BDL	CLOUDY/LIGHT BREEZE	
11-08-2024	12-08-2024	89	28	10	BDL	CLOUDY/MODERATE BREEZE	
12-08-2024	13-08-2024	76	20	8	BDL	CLOUDY/MODERATE BREEZE	
18-08-2024	19-08-2024	71	20	9	BDL	CLOUDY/LIGHT BREEZE	
19-08-2024	20-08-2024	62	16	7	BDL	RAINY/LIGHT BREEZE	
25-08-2024	26-08-2024	79	23	9	BDL	CLOUDY/CALM	
26-08-2024	27-08-2024	82	27	10	BDL	CLEAR/CALM	
29-08-2024	30-08-2024	85	29	10	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

PRAGATI NAGAR WNRS A4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
05-08-2024	06-08-2024	72	23	8	BDL	CLOUDY/LIGHT BREEZE	
06-08-2024	07-08-2024	67	18	7	BDL	CLOUDY/LIGHT BREEZE	
11-08-2024	12-08-2024	82	26	9	BDL	CLOUDY/MODERATE BREEZE	
12-08-2024	13-08-2024	79	21	7	BDL	CLOUDY/MODERATE BREEZE	
18-08-2024	19-08-2024	75	26	8	BDL	CLOUDY/LIGHT BREEZE	
19-08-2024	20-08-2024	62	18	7	BDL	RAINY/LIGHT BREEZE	
25-08-2024	26-08-2024	77	22	8	BDL	CLOUDY/CALM	
26-08-2024	27-08-2024	88	28	9	BDL	CLEAR/CALM	
29-08-2024	30-08-2024	82	24	9	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

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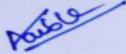
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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NOISE LEVEL MONITORING DATA

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

Residential Area Near Railway siding		WNRSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	12-08-2024	45.6	44.1
AUG'24	28-08-2024	44.7	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NEAR INCHARGE OFFICE:		WNRSN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	12-08-2024	54.6	53.1
AUG'24	28-08-2024	64.5	62.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

AMBARA OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



AUGUST 2024

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/AUG-24/67	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

MANAGER OFFICE KAOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-08-2024	06-08-2024	265	150	48	13	11	Clear sky / Calm
19-08-2024	20-08-2024	270	162	56	14	12	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE- MOHAN KAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-08-2024	07-08-2024	250	152	50	13	11	Clear sky / Calm
20-08-2024	21-08-2024	242	138	40	12	10	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		
05-08-2024	06-08-2024	78	28	7	BDL		Clear sky / Calm
06-08-2024	07-08-2024	72	22	6	BDL		Clear sky / Calm
12-08-2024	13-08-2024	80	30	8	BDL		Clear sky / Calm
13-08-2024	14-08-2024	82	32	9	BDL		Clear sky / Calm
16-08-2024	17-08-2024	78	28	8	BDL		Clear sky / Calm
19-08-2024	20-08-2024	76	26	7	BDL		Clear sky / Calm
20-08-2024	21-08-2024	74	24	6	BDL		Clear sky / Calm
26-08-2024	27-08-2024	82	32	9	BDL		Clear sky / Calm
27-08-2024	28-08-2024	80	30	8	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		
05-08-2024	06-08-2024	82	32	9	BDL		Clear sky / Calm
06-08-2024	07-08-2024	80	30	8	BDL		Clear sky / Calm
12-08-2024	13-08-2024	78	28	7	BDL		Clear sky / Calm
13-08-2024	14-08-2024	76	26	6	BDL		Clear sky / Calm
16-08-2024	17-08-2024	78	28	8	BDL		Clear sky / Calm
19-08-2024	20-08-2024	72	22	6	BDL		Clear sky / Calm
20-08-2024	21-08-2024	78	28	7	BDL		Clear sky / Calm
26-08-2024	27-08-2024	80	30	8	BDL		Clear sky / Calm
27-08-2024	28-08-2024	82	32	9	BDL		Clear sky / Calm
NAAQS, 2009		100	60	80	80		

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

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

MANAGER OFFICE: KAON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	45.5	43.4
AUG'24	27-08-2024	45.1	43.4
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
AUG'24	13-08-2024	45.2	43.1
AUG'24	27-08-2024	44.6	42.9
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



AUGUST 2024

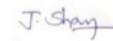
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/69	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

AREA WORKSHOP KAWA1							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04-08-2024	05-08-2024	245	138	40	12	10	Clear sky / Calm
18-08-2024	19-08-2024	255	150	52	13	11	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



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

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

WORK SHOP PREMISES:		KAWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	44.2	42.4
AUG'24	27-08-2024	43.4	42.1
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



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/AUG-24/70	DATE OF ISSUE		28-09-2024
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE	SAMPLING PLAN :		LQR 47
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-08-24 TO 15-09-24

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-08-2024	13-08-2024	268	165	62	14	12	Clear sky / Calm
26-08-2024	27-08-2024	253	150	54	13	11	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE- JHARNA UG KJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-08-2024	13-08-2024	245	144	44	13	12	Clear sky / Calm
26-08-2024	27-08-2024	270	158	58	14	13	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-08-2024	14-08-2024	245	142	42	11	10	Clear sky / Calm
27-08-2024	28-08-2024	260	150	55	12	12	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA KJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	06-08-2024	78	28	7	BDL	Clear sky / Calm	
06-08-2024	07-08-2024	82	32	9	BDL	Clear sky / Calm	
12-08-2024	13-08-2024	80	30	8	BDL	Clear sky / Calm	
13-08-2024	14-08-2024	74	24	6	BDL	Clear sky / Calm	
16-08-2024	17-08-2024	76	26	7	BDL	Clear sky / Calm	
19-08-2024	20-08-2024	72	22	6	BDL	Clear sky / Calm	
20-08-2024	21-08-2024	78	28	7	BDL	Clear sky / Calm	
26-08-2024	27-08-2024	76	26	6	BDL	Clear sky / Calm	
27-08-2024	28-08-2024	80	30	8	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

PANARA VILLAGE KJUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	06-08-2024	80	30	8	BDL	Clear sky / Calm	
06-08-2024	07-08-2024	82	32	9	BDL	Clear sky / Calm	
12-08-2024	13-08-2024	78	28	7	BDL	Clear sky / Calm	
13-08-2024	14-08-2024	76	26	6	BDL	Clear sky / Calm	
16-08-2024	17-08-2024	70	20	6	BDL	Clear sky / Calm	
19-08-2024	20-08-2024	78	28	8	BDL	Clear sky / Calm	
20-08-2024	21-08-2024	80	30	8	BDL	Clear sky / Calm	
26-08-2024	27-08-2024	82	32	9	BDL	Clear sky / Calm	
27-08-2024	28-08-2024	72	22	6	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

J. Jay
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-08-24 TO 15-09-24

MINE WATER DISCHARGE: KGOW				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-08-2024	7.81	26	36	BDL
27-08-2024	7.72	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 PRAUGOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		KGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	45.4	43.3
AUG'24	27-08-2024	44.7	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(JHARNA):		KGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	44.4	42.2
AUG'24	27-08-2024	43.3	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

JHARNA / GHORAWARI UG

KANHAN AREA

WESTERN COALFIELDS LTD.


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AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/AUG-24/71	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : L SOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

MANAGER OFFICE- JHARNA UG KJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-08-2024	13-08-2024	255	155	48	12	11	Clear sky / Calm
26-08-2024	27-08-2024	268	166	52	13	12	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI KJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-08-2024	14-08-2024	245	142	42	11	10	Clear sky / Calm
27-08-2024	28-08-2024	260	150	55	12	12	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA KJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	06-08-2024	78	28	7	BDL	Clear sky / Calm	
06-08-2024	07-08-2024	82	32	9	BDL	Clear sky / Calm	
12-08-2024	13-08-2024	80	30	8	BDL	Clear sky / Calm	
13-08-2024	14-08-2024	74	24	6	BDL	Clear sky / Calm	
16-08-2024	17-08-2024	76	26	7	BDL	Clear sky / Calm	
19-08-2024	20-08-2024	72	22	6	BDL	Clear sky / Calm	
20-08-2024	21-08-2024	78	28	7	BDL	Clear sky / Calm	
26-08-2024	27-08-2024	76	26	6	BDL	Clear sky / Calm	
27-08-2024	28-08-2024	80	30	8	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

PANARA VILLAGE KJUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	06-08-2024	80	30	8	BDL	Clear sky / Calm	
06-08-2024	07-08-2024	82	32	9	BDL	Clear sky / Calm	
12-08-2024	13-08-2024	78	28	7	BDL	Clear sky / Calm	
13-08-2024	14-08-2024	76	26	6	BDL	Clear sky / Calm	
16-08-2024	17-08-2024	70	20	6	BDL	Clear sky / Calm	
19-08-2024	20-08-2024	78	28	8	BDL	Clear sky / Calm	
20-08-2024	21-08-2024	80	30	8	BDL	Clear sky / Calm	
26-08-2024	27-08-2024	82	32	9	BDL	Clear sky / Calm	
27-08-2024	28-08-2024	72	22	6	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

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

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

FAN HOUSE: KJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
	DETECTION LIMIT		
AUG'24	13-08-2024	63.2	62.1
AUG'24	27-08-2024	64.1	62.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
	DETECTION LIMIT		
AUG'24	13-08-2024	44.4	42.2
AUG'24	27-08-2024	43.3	42.1
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



AUGUST 2024

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/72	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24	


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	
13-08-2024	14-08-2024	255	155	52	13	12	Clear sky / Calm
27-08-2024	28-08-2024	265	162	62	14	13	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE MOHAN KMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-08-2024	07-08-2024	274	168	58	14	13	Clear sky / Calm
20-08-2024	21-08-2024	245	138	40	12	10	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		
05-08-2024	06-08-2024	78	28	7	BDL	Clear sky / Calm	
06-08-2024	07-08-2024	72	22	6	BDL	Clear sky / Calm	
12-08-2024	13-08-2024	80	30	8	BDL	Clear sky / Calm	
13-08-2024	14-08-2024	82	32	9	BDL	Clear sky / Calm	
16-08-2024	17-08-2024	78	28	8	BDL	Clear sky / Calm	
19-08-2024	20-08-2024	76	26	7	BDL	Clear sky / Calm	
20-08-2024	21-08-2024	74	24	6	BDL	Clear sky / Calm	
26-08-2024	27-08-2024	82	32	9	BDL	Clear sky / Calm	
27-08-2024	28-08-2024	80	30	8	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		
05-08-2024	06-08-2024	82	32	9	BDL	Clear sky / Calm	
06-08-2024	07-08-2024	80	30	8	BDL	Clear sky / Calm	
12-08-2024	13-08-2024	78	28	7	BDL	Clear sky / Calm	
13-08-2024	14-08-2024	76	26	6	BDL	Clear sky / Calm	
16-08-2024	17-08-2024	78	28	8	BDL	Clear sky / Calm	
19-08-2024	20-08-2024	72	22	6	BDL	Clear sky / Calm	
20-08-2024	21-08-2024	78	28	7	BDL	Clear sky / Calm	
26-08-2024	27-08-2024	80	30	8	BDL	Clear sky / Calm	
27-08-2024	28-08-2024	82	32	9	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

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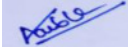
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	20	20
AUG'24	27-08-2024	64.5	62.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN MAORI):		KMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	20	20
AUG'24	27-08-2024	45.2	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NANDAN UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



AUGUST 2024

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/73	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : L SOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

SAM OFFICE- NANDAN I UG KNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-08-2024	05-08-2024	245	148	48	12	11	Clear sky / Calm
18-08-2024	19-08-2024	258	156	54	14	12	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-08-2024	05-08-2024	268	158	50	13	11	Clear sky / Calm
18-08-2024	19-08-2024	250	142	44	12	10	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 µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-08-2024	05-08-2024	78	28	7	BDL	Clear sky / Calm	
18-08-2024	19-08-2024	82	32	9	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 µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-08-2024	05-08-2024	74	24	6	BDL	Clear sky / Calm	
18-08-2024	19-08-2024	80	30	8	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24

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
13-08-2024	8.00	18	28	BDL
27-08-2024	7.88	14	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 PRAUGOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE UG II: KNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	AUG'24	13-08-2024	66.1
AUG'24	27-08-2024	67.5	65.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	AUG'24	13-08-2024	44.2
AUG'24	27-08-2024	44.1	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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KANHAN AREA

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AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/74a	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

INCLINE SHARDA KSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-08-2024	04-08-2024	265	153	55	13	11	Clear sky / Calm
17-08-2024	18-08-2024	240	138	38	11	10	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


UMARIA FADALI VILLAGE KSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-08-2024	04-08-2024	78	28	8	BDL	Clear sky / Calm	
17-08-2024	18-08-2024	80	30	9	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-08-2024	04-08-2024	76	26	7	BDL	Clear sky / Calm	
17-08-2024	18-08-2024	70	22	6	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-08-2024	04-08-2024	80	30	8	BDL	Clear sky / Calm	
17-08-2024	18-08-2024	78	26	6	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-08-2024	04-08-2024	256	148	44	13	11	Clear sky / Calm
17-08-2024	18-08-2024	268	156	58	14	12	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
SAMPLE DESCRIPTION		Water sample			
Test Required		pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G:			
SAMPLING METHOD		LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :		16-08-24 TO 15-09-24

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
13-08-2024	7.77	28	40	BDL
27-08-2024	7.96	30	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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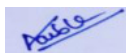
NOISE LEVEL MONITORING DATA

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

NEAR PIT OFFICE		KSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	AUG'24	13-08-2024	42.4
AUG'24	27-08-2024	43.6	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

UMARIA FADALI VILLAGE		KSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	AUG'24	13-08-2024	43.2
AUG'24	27-08-2024	43.8	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

TATARWADA VILLAGE		KSUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	AUG'24	13-08-2024	42.1
AUG'24	27-08-2024	44.4	42.6
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



AUGUST 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/74	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

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	
07-08-2024	08-08-2024	268	158	52	13	11	Clear sky / Calm
21-08-2024	22-08-2024	245	138	44	11	10	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	
07-08-2024	08-08-2024	240	132	38	11	10	Clear sky / Calm
21-08-2024	22-08-2024	252	147	50	12	11	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		
07-08-2024	08-08-2024	80	30	8	BDL	Clear sky / Calm	
21-08-2024	22-08-2024	76	26	6	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		
07-08-2024	08-08-2024	78	28	8	BDL	Clear sky / Calm	
21-08-2024	22-08-2024	82	32	9	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

J. Shy

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-08-24 TO 15-09-24

MINE WATER DISCHARGE: KTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-08-2024	7.94	20	32	BDL
27-08-2024	8.12	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

J. Shrivastava

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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 PRAUGOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		KTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
AUG'24	13-08-2024	64.2	62.2
AUG'24	27-08-2024	65.5	63.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(TANDSI):		KTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
AUG'24	13-08-2024	43.1	42.3
AUG'24	27-08-2024	44.2	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

AREA HOSPITAL

PATHAKHERA AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



AUGUST 2024

Environment Laboratory
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CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/AUG-24/76		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47 16-08-24 TO 15-09-24	

AREA HOSPITAL PKSUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-08-2024	11-08-2024	76	33	14	BDL	RAINY / CALM
24-08-2024	25-08-2024	89	42	17	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	

AGM OFFICE PKSUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-08-2024	10-08-2024	79	34	15	BDL	RAINY / CALM
23-08-2024	24-08-2024	92	44	17	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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-08-2024	10-08-2024	74	33	14	BDL	RAINY / CALM
23-08-2024	24-08-2024	88	41	16	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	



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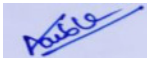
NOISE LEVEL MONITORING DATA

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

Sarni Mine Premises:		PKSUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	10-08-2024	63.1	62.4
AUG'24	24-08-2024	62.4	61.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SARNI):		PKSUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	10-08-2024	45.4	43.2
AUG'24	24-08-2024	44.6	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

AREA HOSPITAL		PKSUN3	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	10-08-2024	44.2	42.2
AUG'24	24-08-2024	44.4	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

CHATTARPUR I & II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



AUGUST 2024

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/75	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

SUBSTATION- CHATTARPUR I UG PKCUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	264	182	60	20	11	RAINY / CALM
22-08-2024	23-08-2024	319	209	64	23	13	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE PKCUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	278	173	58	22	12	RAINY / CALM
22-08-2024	23-08-2024	347	223	64	24	13	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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-08-2024	09-08-2024	77	34	14	BDL	BDL	RAINY / CALM
22-08-2024	23-08-2024	91	43	16	BDL	BDL	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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-08-2024	09-08-2024	74	32	14	BDL	BDL	RAINY / CALM
22-08-2024	23-08-2024	89	43	17	BDL	BDL	CLEAR / CALM
		100	60	80	80		


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

MINE WATER DISCHARGE-I UG:		PKCUW1			
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS				
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)	TDS -mg/l
DETECTION LIMIT	2	10	4	2	25
08-08-2024	8.02	36	32	BDL	502
24-08-2024	7.90	46	36	BDL	564
STANDARDS FOR COAL MINE, GSR 742E, dt.	5.5 - 9.0	100	250	10	2000



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

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

FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
AUG'24	10-08-2024	63.4	61.1
AUG'24	24-08-2024	62.8	61.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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ENVIRONMENTAL MONITORING REPORT

TAWA-II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



AUGUST 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/78	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
09-08-2024	10-08-2024	263	169	58	19	10	RAINY / CALM
23-08-2024	24-08-2024	348	233	63	22	13	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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
08-08-2024	09-08-2024	284	186	58	21	11	RAINY / CALM
22-08-2024	23-08-2024	363	221	64	24	12	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
10-08-2024	11-08-2024	77	37	14	BDL	RAINY / CALM	
24-08-2024	25-08-2024	91	42	16	BDL	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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
10-08-2024	11-08-2024	79	33	13	BDL	RAINY / CALM	
24-08-2024	25-08-2024	89	41	16	BDL	CLEAR / CALM	
		100	60	80	80		



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
08-08-2024	8.16	48	40	BDL
24-08-2024	8.03	56	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE:		PKTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	10-08-2024	65.5	64.3
AUG'24	24-08-2024	64.4	63.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PATHAKHERA COLONY(TAWA):		PKTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	10-08-2024	44.7	42.4
AUG'24	24-08-2024	44.5	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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Deepanshu Sahu
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ENVIRONMENTAL MONITORING REPORT

TAWA UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



AUGUST 2024



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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/79	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

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	
08-08-2024	09-08-2024	264	181	56	21	10	RAINY / CALM
22-08-2024	23-08-2024	337	233	63	24	13	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	276	168	58	21	10	RAINY / CALM
22-08-2024	23-08-2024	327	213	63	23	13	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-08-2024	11-08-2024	77	37	14	BDL	RAINY / CALM
24-08-2024	25-08-2024	91	42	16	BDL	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	
10-08-2024	11-08-2024	79	33	13	BDL	RAINY / CALM
24-08-2024	25-08-2024	89	41	16	BDL	CLEAR / CALM
		100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
08-08-2024	8.27	38	32	BDL
24-08-2024	8.88	46	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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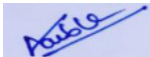
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE: PKTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	10-08-2024	64.4	63.1
AUG'24	24-08-2024	63.2	62.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PATHAKHERA COLONY(TAWA): PKTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	10-08-2024	44.7	42.4
AUG'24	24-08-2024	44.5	42.2
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



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/AUG-24/54	DATE OF ISSUE	28-09-2024		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24		

MANAGER OFFICE PBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
10-08-2024	11-08-2024	192	102	35	13	10	CLOUDY/LIGHT BREEZE
25-08-2024	26-08-2024	178	94	32	12	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

SAM OFFICE PBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
10-08-2024	11-08-2024	181	96	30	12	BDL	CLOUDY/LIGHT BREEZE
25-08-2024	26-08-2024	169	70	27	10	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHANDAMETA WORKSHOP PCWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11-08-2024	12-08-2024	192	124	33	12	BDL	CLEAR/LIGHT BREEZE
25-08-2024	26-08-2024	181	110	30	10	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CENTRAL SCHOOL PBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
10-08-2024	11-08-2024	80	24	9	BDL	CLOUDY/LIGHT BREEZE	
25-08-2024	26-08-2024	71	20	8	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

ETP DISCHARGE: PBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-08-2024	8.11	20	32	BDL
25-08-2024	8.29	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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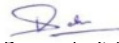
NOISE LEVEL MONITORING DATA

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

NEAR BARKUI HOSPITAL: PBON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	45.8	43.9
AUG'24	26-08-2024	45.9	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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PENCH AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/59a	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

MANAGER OFFICE PBGSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11-08-2024	12-08-2024	259	167	46	16	12	CLEAR/LIGHT BREEZE
28-08-2024	29-08-2024	238	141	40	14	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHECK POST PBGSA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
02-08-2024	03-08-2024	269	188	49	17	14	CLOUDY/LIGHT BREEZE
29-08-2024	30-08-2024	282	201	53	18	15	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
02-08-2024	03-08-2024	82	21	9	BDL	CLOUDY/LIGHT BREEZE	
17-08-2024	18-08-2024	71	18	8	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
02-08-2024	03-08-2024	75	19	8	BDL	CLOUDY/LIGHT BREEZE	
17-08-2024	18-08-2024	88	24	9	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

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

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

MANAGER OFFICE		PBGSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	45.9	44.2
AUG'24	26-08-2024	45.8	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SUBSTATION		PBGSN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	45.2	44.1
AUG'24	26-08-2024	45.4	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

COLONY GUEST HOUSE PARASIA		PMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	45.9	44.4
AUG'24	26-08-2024	45.4	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

CHANDAMETA WORKSHOP

PENCH AREA

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JOB NO. 4094423067



AUGUST 2024

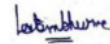
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/55	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM ₅	PM ₁₀ ₅	PM _{2.5} ₂	NO ₂ ₆	SO ₂ ₁₀	
11-08-2024	12-08-2024	192	124	33	12	BDL	CLEAR/LIGHT BREEZE
25-08-2024	26-08-2024	181	110	30	10	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
10-08-2024	8.07	22	32	BDL
25-08-2024	8.21	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

NEAR CHANDAMETA WORKSHOP: PCWN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	46.7	45.4
AUG'24	26-08-2024	46.2	44.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 YC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/56	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24	

SAM OFFICE PCOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-08-2024	10-08-2024	215	122	41	14	10	CLOUDY/LIGHT BREEZE
24-08-2024	25-08-2024	234	142	46	16	11	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHINDA OC - SITE PCOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-08-2024	10-08-2024	235	157	34	15	12	CLOUDY/LIGHT BREEZE
24-08-2024	25-08-2024	257	163	39	16	14	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	06-08-2024	77	27	9	BDL	CLOUDY/LIGHT BREEZE	
06-08-2024	07-08-2024	82	30	9	BDL	CLOUDY/LIGHT BREEZE	
12-08-2024	13-08-2024	69	19	7	BDL	CLOUDY/LIGHT BREEZE	
13-08-2024	14-08-2024	73	22	8	BDL	CLOUDY/LIGHT BREEZE	
19-08-2024	20-08-2024	82	26	10	BDL	CLOUDY/LIGHT BREEZE	
20-08-2024	21-08-2024	64	18	7	BDL	RAINY/LIGHT BREEZE	
26-08-2024	27-08-2024	75	22	8	BDL	CLOUDY/LIGHT BREEZE	
27-08-2024	28-08-2024	70	20	8	BDL	CLOUDY/LIGHT BREEZE	
29-08-2024	30-08-2024	77	26	8	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

CHINDA COLONY PNSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	06-08-2024	70	25	10	BDL	CLOUDY/LIGHT BREEZE	
06-08-2024	07-08-2024	67	21	8	BDL	CLOUDY/LIGHT BREEZE	
12-08-2024	13-08-2024	76	26	8	BDL	CLOUDY/LIGHT BREEZE	
13-08-2024	14-08-2024	81	28	9	BDL	CLOUDY/LIGHT BREEZE	
19-08-2024	20-08-2024	88	28	10	BDL	CLOUDY/LIGHT BREEZE	
20-08-2024	21-08-2024	67	17	7	BDL	RAINY/LIGHT BREEZE	
26-08-2024	27-08-2024	79	22	8	BDL	CLOUDY/LIGHT BREEZE	
27-08-2024	28-08-2024	72	20	8	BDL	CLOUDY/LIGHT BREEZE	
29-08-2024	30-08-2024	78	26	9	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

lab name

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
09-08-2024	7.94	28	40	BDL
20-08-2024	8.12	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

NEAR MANAGER OFFICE: PCON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
AUG'24	13-08-2024	45.9	44.7
AUG'24	26-08-2024	46.9	44.4
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
		20	20
AUG'24	13-08-2024	45.8	44.5
AUG'24	26-08-2024	45.2	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

DHANKASA UG

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



AUGUST 2024

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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/66a	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24	

CHARUN KHAPA PDUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-08-2024	04-08-2024	70	24	8	BDL	CLOUDY/LIGHT BREEZE
18-08-2024	19-08-2024	82	29	9	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

BANKI VILLAGE PDUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-08-2024	04-08-2024	79	26	9	BDL	CLOUDY/LIGHT BREEZE
18-08-2024	19-08-2024	86	30	10	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

MANAGER OFFICE PDUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
FROM	TO	5	5	2	6	10	
03-08-2024	04-08-2024	248	157	42	15	12	CLOUDY/LIGHT BREEZE
18-08-2024	19-08-2024	269	172	48	16	13	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

MINE WATER DISCHARGE: PDUW1		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
03-08-2024	7.48	34	44	BDL
18-08-2024	8.12	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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

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

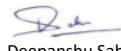
BHUMKADHANA VILLAGE		PDUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	44.1	42.9
AUG'24	26-08-2024	44.3	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

MANAGER OFFICE		PDUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	47.7	45.6
AUG'24	26-08-2024	47.9	45.4
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
AUG'24	13-08-2024	47.6	45.4
AUG'24	26-08-2024	47.2	45.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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PENCH AREA

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JOB NO. 4094423067



AUGUST 2024

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
TEST REPORT NO.	RIN/TR/AUG-24/59b	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

MANAGER OFFICE PEDCA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-08-2024	12-08-2024	266	172	45	16	12	CLEAR/LIGHT BREEZE
28-08-2024	29-08-2024	249	155	40	14	10	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHECK POST PEDCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-08-2024	12-08-2024	289	196	49	17	14	CLEAR/LIGHT BREEZE
29-08-2024	30-08-2024	264	150	43	15	11	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	82	21	9	BDL	CLOUDY/LIGHT BREEZE	
17-08-2024	18-08-2024	71	18	8	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	75	19	8	BDL	CLOUDY/LIGHT BREEZE	
17-08-2024	18-08-2024	88	24	9	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		


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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE		PEDCN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	47.2	45.8
AUG'24	26-08-2024	46.2	45.6
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
AUG'24	13-08-2024	45.9	44.4
AUG'24	26-08-2024	45.4	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

JAMUNIA UG

PENCH AREA

WESTERN COALFIELDS LTD.


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AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/AUG-24/58	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

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	
04-08-2024	05-08-2024	197	113	37	13	BDL	CLOUDY/LIGHT BREEZE
21-08-2024	22-08-2024	179	88	26	12	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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	
04-08-2024	05-08-2024	188	107	32	12	BDL	CLOUDY/LIGHT BREEZE
21-08-2024	22-08-2024	170	92	30	10	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

JAMUNIA VILLAGE PJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-08-2024	04-08-2024	72	19	8	BDL	CLOUDY/LIGHT BREEZE	
18-08-2024	19-08-2024	68	21	9	BDL	CLOUDY/LIGHT BREEZE	
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		
05-08-2024	06-08-2024	80	27	9	BDL	CLOUDY/LIGHT BREEZE	
06-08-2024	07-08-2024	77	22	8	BDL	CLOUDY/LIGHT BREEZE	
12-08-2024	13-08-2024	69	18	8	BDL	CLOUDY/LIGHT BREEZE	
13-08-2024	14-08-2024	79	26	9	BDL	CLOUDY/LIGHT BREEZE	
19-08-2024	20-08-2024	84	27	10	BDL	CLOUDY/LIGHT BREEZE	
20-08-2024	21-08-2024	62	18	7	BDL	RAINY/LIGHT BREEZE	
26-08-2024	27-08-2024	77	22	8	BDL	CLOUDY/LIGHT BREEZE	
27-08-2024	28-08-2024	79	25	8	BDL	CLOUDY/LIGHT BREEZE	
29-08-2024	30-08-2024	72	19	9	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

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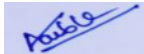
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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: PJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	13-08-2024	45.4	44.1
AUG'24	26-08-2024	45.4	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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PENCH AREA

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AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/59	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

MANAGER OFFICE PMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-08-2024	03-08-2024	268	170	36	15	10	CLOUDY/LIGHT BREEZE
17-08-2024	18-08-2024	282	195	42	16	12	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-08-2024	03-08-2024	259	166	30	14	10	CLOUDY/LIGHT BREEZE
17-08-2024	18-08-2024	277	183	43	16	11	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	82	21	9	BDL	CLOUDY/LIGHT BREEZE	
17-08-2024	18-08-2024	71	18	8	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-08-2024	03-08-2024	75	19	8	BDL	CLOUDY/LIGHT BREEZE	
17-08-2024	18-08-2024	88	24	9	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

MINE WATER DISCHARGE: PMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-08-2024	7.85	56	44	BDL
18-08-2024	8.10	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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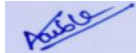
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE: PMUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	69.2	68.1
AUG'24	26-08-2024	69.7	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	45.9	44.4
AUG'24	26-08-2024	45.4	44.2
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



AUGUST 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/AUG-24/60	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

SAM OFFICE PNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-08-2024	06-08-2024	263	172	42	14	10	CLOUDY/LIGHT BREEZE
19-08-2024	20-08-2024	287	191	47	16	12	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

LAMP ROOM/ SUBSTATION PNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-08-2024	07-08-2024	281	193	46	16	12	CLOUDY/LIGHT BREEZE
20-08-2024	21-08-2024	255	161	40	14	11	RAINY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
12-08-2024	13-08-2024	72	21	9	BDL	CLOUDY/LIGHT BREEZE	
26-08-2024	27-08-2024	67	17	8	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	06-08-2024	80	27	9	BDL	CLOUDY/LIGHT BREEZE	
06-08-2024	07-08-2024	77	22	8	BDL	CLOUDY/LIGHT BREEZE	
12-08-2024	13-08-2024	69	18	8	BDL	CLOUDY/LIGHT BREEZE	
13-08-2024	14-08-2024	79	26	9	BDL	CLOUDY/LIGHT BREEZE	
19-08-2024	20-08-2024	84	27	10	BDL	CLOUDY/LIGHT BREEZE	
20-08-2024	21-08-2024	62	18	7	BDL	RAINY/LIGHT BREEZE	
26-08-2024	27-08-2024	77	22	8	BDL	CLOUDY/LIGHT BREEZE	
27-08-2024	28-08-2024	79	25	8	BDL	CLOUDY/LIGHT BREEZE	
29-08-2024	30-08-2024	72	19	9	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

labindhane


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7192
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

MINE WATER DISCHARGE: PNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-08-2024	8.16	28	36	BDL
21-08-2024	8.34	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
05-08-2024	8.19	20	32	BDL
21-08-2024	8.35	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


Analysed by

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

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

FAN HOUSE: PNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	13-08-2024	69.2	68.1
AUG'24	26-08-2024	68.8	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	13-08-2024	45.7	44.5
AUG'24	26-08-2024	45.6	43.8
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



AUGUST 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 <p>TC-7102</p>
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TEST REPORT NO.	RIN/TR/AUG-24/61	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

NEW SETHIA OC SITE PNSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-08-2024	09-08-2024	223	134	33	13	10	CLOUDY/LIGHT BREEZE
23-08-2024	24-08-2024	248	159	39	15	11	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVEMBER 2000		600	300	-	120	120	

SAM OFFICE PCOA1							
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	
09-08-2024	10-08-2024	215	122	41	14	10	CLOUDY/LIGHT BREEZE
24-08-2024	25-08-2024	234	142	46	16	11	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVEMBER 2000		600	300	-	120	120	

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-08-2024	06-08-2024	77	27	9	BDL	CLOUDY/LIGHT BREEZE	
06-08-2024	07-08-2024	82	30	9	BDL	CLOUDY/LIGHT BREEZE	
12-08-2024	13-08-2024	69	19	7	BDL	CLOUDY/LIGHT BREEZE	
13-08-2024	14-08-2024	73	22	8	BDL	CLOUDY/LIGHT BREEZE	
19-08-2024	20-08-2024	82	26	10	BDL	CLOUDY/LIGHT BREEZE	
20-08-2024	21-08-2024	64	18	7	BDL	RAINY/LIGHT BREEZE	
26-08-2024	27-08-2024	75	22	8	BDL	CLOUDY/LIGHT BREEZE	
27-08-2024	28-08-2024	70	20	8	BDL	CLOUDY/LIGHT BREEZE	
29-08-2024	30-08-2024	77	26	8	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

CHINDA COLONY PNSOA2							
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		
05-08-2024	06-08-2024	70	25	10	BDL	CLOUDY/LIGHT BREEZE	
06-08-2024	07-08-2024	67	21	8	BDL	CLOUDY/LIGHT BREEZE	
12-08-2024	13-08-2024	76	26	8	BDL	CLOUDY/LIGHT BREEZE	
13-08-2024	14-08-2024	81	28	9	BDL	CLOUDY/LIGHT BREEZE	
19-08-2024	20-08-2024	88	28	10	BDL	CLOUDY/LIGHT BREEZE	
20-08-2024	21-08-2024	67	17	7	BDL	RAINY/LIGHT BREEZE	
26-08-2024	27-08-2024	79	22	8	BDL	CLOUDY/LIGHT BREEZE	
27-08-2024	28-08-2024	72	20	8	BDL	CLOUDY/LIGHT BREEZE	
29-08-2024	30-08-2024	78	26	9	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

MINE WATER DISCHARGE: PSOW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-08-2024	7.96	30	40	BDL
20-08-2024	8.08	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

labindum

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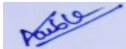
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

NEAR MANAGER OFFICE: PSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	13-08-2024	45.9	44.4
AUG'24	26-08-2024	45.4	44.1
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
AUG'24	13-08-2024	45.8	44.5
AUG'24	26-08-2024	45.2	43.9
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



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/62	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24


SITE OFFICE PSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	223	134	33	13	10	CLOUDY/LIGHT BREEZE
23-08-2024	24-08-2024	248	159	39	15	11	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

SHIVPURI WEIGH BRIDGE PSOAZ							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	267	177	46	16	13	CLOUDY/LIGHT BREEZE
23-08-2024	24-08-2024	286	192	50	17	14	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

SUBSTATION PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-08-2024	09-08-2024	241	152	37	13	10	CLOUDY/LIGHT BREEZE
24-08-2024	25-08-2024	263	175	45	14	11	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-08-2024	09-08-2024	74	25	9	BDL	CLOUDY/LIGHT BREEZE	
23-08-2024	24-08-2024	67	21	8	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-08-2024	06-08-2024	77	27	9	BDL	CLOUDY/LIGHT BREEZE	
06-08-2024	07-08-2024	82	30	9	BDL	CLOUDY/LIGHT BREEZE	
12-08-2024	13-08-2024	69	19	7	BDL	CLOUDY/LIGHT BREEZE	
13-08-2024	14-08-2024	73	22	8	BDL	CLOUDY/LIGHT BREEZE	
19-08-2024	20-08-2024	82	26	10	BDL	CLOUDY/LIGHT BREEZE	
20-08-2024	21-08-2024	64	18	7	BDL	RAINY/LIGHT BREEZE	
26-08-2024	27-08-2024	75	22	8	BDL	CLOUDY/LIGHT BREEZE	
27-08-2024	28-08-2024	70	20	8	BDL	CLOUDY/LIGHT BREEZE	
29-08-2024	30-08-2024	77	26	8	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		


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

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

NEAR MANAGER OFFICE: PSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	45.4	44.1
AUG'24	26-08-2024	45.4	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
AUG'24	13-08-2024	45.3	44.2
AUG'24	26-08-2024	45.8	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

THESGORA MATHANI UG

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



AUGUST 2024

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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/63	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

MATHANI VILLAGE PTUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-08-2024	08-08-2024	81	28	9	BDL	CLOUDY/LIGHT BREEZE
22-08-2024	23-08-2024	70	23	8	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

SAM OFFICE PTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
07-08-2024	08-08-2024	249	152	33	12	BDL	CLOUDY/LIGHT BREEZE
22-08-2024	23-08-2024	253	162	38	13	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

MANAGER OFFICE- MATHANI PTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
07-08-2024	08-08-2024	283	194	42	16	12	CLOUDY/LIGHT BREEZE
22-08-2024	23-08-2024	271	177	39	14	10	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

JHURE COLONY- FILTER PLANT PTUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-08-2024	08-08-2024	85	29	10	BDL	CLOUDY/LIGHT BREEZE
22-08-2024	23-08-2024	77	26	8	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
07-08-2024	8.08	26	40	BDL
22-08-2024	8.03	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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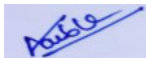
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE-MATHANI:		PTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	69.2	68.6
AUG'24	26-08-2024	69.4	67.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MATHANI COLONY:		PTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG'24	13-08-2024	45.6	44.5
AUG'24	26-08-2024	45.4	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	50



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ENVIRONMENTAL MONITORING REPORT

URDHAN OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



AUGUST 2024

Environment Laboratory
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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/AUG-24/64	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24


URDHAN MANAGER OFFICE PUAO1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04-08-2024	05-08-2024	277	182	41	15	11	CLOUDY/LIGHT BREEZE
21-08-2024	22-08-2024	258	152	37	13	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

COAL STOCK YARD PUAO2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04-08-2024	05-08-2024	291	199	46	16	12	CLOUDY/LIGHT BREEZE
21-08-2024	22-08-2024	275	178	40	14	10	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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		
12-08-2024	13-08-2024	72	21	9	BDL	CLOUDY/LIGHT BREEZE	
26-08-2024	27-08-2024	67	17	8	BDL	CLOUDY/LIGHT BREEZE	
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		
05-08-2024	06-08-2024	80	27	9	BDL	CLOUDY/LIGHT BREEZE	
06-08-2024	07-08-2024	77	22	8	BDL	CLOUDY/LIGHT BREEZE	
12-08-2024	13-08-2024	69	18	8	BDL	CLOUDY/LIGHT BREEZE	
13-08-2024	14-08-2024	79	26	9	BDL	CLOUDY/LIGHT BREEZE	
19-08-2024	20-08-2024	84	27	10	BDL	CLOUDY/LIGHT BREEZE	
20-08-2024	21-08-2024	62	18	7	BDL	RAINY/LIGHT BREEZE	
26-08-2024	27-08-2024	77	22	8	BDL	CLOUDY/LIGHT BREEZE	
27-08-2024	28-08-2024	79	25	8	BDL	CLOUDY/LIGHT BREEZE	
29-08-2024	30-08-2024	72	19	9	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
05-08-2024	8.17	24	32	BDL
21-08-2024	8.20	26	32	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
05-08-2024	8.19	22	36	BDL
21-08-2024	8.22	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

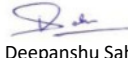
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, AUG-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: PUON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUG'24	13-08-2024	47.6	45.9
AUG'24	26-08-2024	46.6	44.8
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
AUG'24	13-08-2024	45.6	43.8
AUG'24	26-08-2024	45.2	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



AUGUST 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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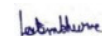
TEST REPORT NO.	RIN/TR/AUG-24/66	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

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	
08-08-2024	09-08-2024	255	168	40	14	11	CLOUDY/LIGHT BREEZE
23-08-2024	24-08-2024	274	172	46	16	12	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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	
08-08-2024	09-08-2024	241	152	37	13	10	CLOUDY/LIGHT BREEZE
24-08-2024	25-08-2024	263	175	45	14	11	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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	
08-08-2024	09-08-2024	74	25	9	BDL	CLOUDY/LIGHT BREEZE
23-08-2024	24-08-2024	67	21	8	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		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	
05-08-2024	06-08-2024	77	27	9	BDL	CLOUDY/LIGHT BREEZE
06-08-2024	07-08-2024	82	30	9	BDL	CLOUDY/LIGHT BREEZE
12-08-2024	13-08-2024	69	19	7	BDL	CLOUDY/LIGHT BREEZE
13-08-2024	14-08-2024	73	22	8	BDL	CLOUDY/LIGHT BREEZE
19-08-2024	20-08-2024	82	26	10	BDL	CLOUDY/LIGHT BREEZE
20-08-2024	21-08-2024	64	18	7	BDL	RAINY/LIGHT BREEZE
26-08-2024	27-08-2024	75	22	8	BDL	CLOUDY/LIGHT BREEZE
27-08-2024	28-08-2024	70	20	8	BDL	CLOUDY/LIGHT BREEZE
29-08-2024	30-08-2024	77	26	8	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	




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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
08-08-2024	7.70	28	40	BDL
24-08-2024	7.90	24	22	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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, AUG-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE UG-II: PV2UN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	13-08-2024	69.7	67.2
AUG'24	26-08-2024	69.2	67.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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WESTERN COALFIELDS LTD.


JOB NO. 4094423068



AUGUST 2024

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TEST REPORT NO.	RIN/TR/AUG-24/53	DATE OF ISSUE	28-09-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-24 TO 15-09-24

SUBSTATION: CWSA1							
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	
13-08-2024	14-08-2024	5	5	2	6	10	RAINY / LIGHT BREEZE
27-08-2024	28-08-2024	200	70	54	14	12	CLEAR / CALM
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		
13-08-2024	14-08-2024	5	2	6	10	RAINY / LIGHT BREEZE	
27-08-2024	28-08-2024	82	56	16	13	CLEAR / CALM	
NAAQS, 2009		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	
13-08-2024	14-08-2024	5	5	2	6	10	RAINY / LIGHT BREEZE
27-08-2024	28-08-2024	340	176	60	18	14	CLEAR / CALM
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		
13-08-2024	14-08-2024	5	2	6	10	RAINY / LIGHT BREEZE	
27-08-2024	28-08-2024	75	50	14	11	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-08-24 TO 15-09-24

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
13-08-2024	7.70	38	28	4.0
27-08-2024	7.88	30	40	3.2
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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, JULY-2015
SAMPLING METHOD	LSOP 6

NEAR WORKSHOP: CWSN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	08-08-2024	50.7	49.3
AUG'24	21-08-2024	56.5	54.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(CWS): CWSN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'24	08-08-2024	43.3	42.1
AUG'24	21-08-2024	44.7	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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