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ENVIRONMENTAL MONITORING REPORT

BALLARPUR OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



JANUARY 2024

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/JAN-24/41	DATE OF ISSUE	24-02-24		
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:			16-01-24 TO 15-02-24	

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	
11-01-24	12-01-24	247	154	50	14	BDL	Cloudy Sky / Calm
26-01-24	27-01-24	290	178	52	16	10	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

SUBSTATION BBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
11-01-24	12-01-24	297	168	50	16	10	Cloudy Sky / Calm
26-01-24	27-01-24	210	124	39	14	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE BBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
10-01-24	11-01-24	248	154	42	18	11	Cloudy Sky / Calm
25-01-24	26-01-24	247	156	47	12	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

FILTER PLANT COLONY BBUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
10-01-24	11-01-24	87	39	16	BDL	Cloudy Sky / Calm	
25-01-24	26-01-24	80	38	15	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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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

BALLARPUR OC EXPN CHP					BGUF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀		
29-01-24	30-01-24	410	312	Clear sky / Calm	

BALLARPUR OC Railway Siding					BGUF1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀		
29-01-24	30-01-24	416	299	Clear sky / Calm	

BALLARPUR OC WEIGH BRIDGE					BGUF3
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀		
12-01-24	13-01-24	396	278	Clear sky / Calm	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-24 TO 15-02-24

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
11-01-24	7.69	48	44	BDL
26-01-24	7.42	36	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

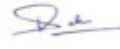
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JULY-2015
SAMPLING METHOD	LSOP 6

CHP: BBUN1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	65.8	65.1
JAN'24	27-01-24	64.8	63.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY BALLARPUR UG: BBUN2			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	43.5	42.8
JAN'24	27-01-24	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/42	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24


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	
11-01-24	12-01-24	247	154	50	14	BDL	Cloudy Sky / Calm
26-01-24	27-01-24	290	178	52	16	10	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION		BBOA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
11-01-24	12-01-24	297	168	50	16	10	Cloudy Sky / Calm
26-01-24	27-01-24	210	124	39	14	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE		BBOA3					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
10-01-24	11-01-24	248	154	42	18	11	Cloudy Sky / Calm
25-01-24	26-01-24	247	156	47	12	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT COLONY		BBUA4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
10-01-24	11-01-24	87	39	16	BDL	Cloudy Sky / Calm
25-01-24	26-01-24	80	38	15	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 :	16-01-24 TO 15-02-24

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
11-01-24	7.65	22	32	BDL
26-01-24	7.67	40	88	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, JULY-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: BBUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	11-01-24	67.2	66.8
JAN'24	27-01-24	67.6	66.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: BBUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	11-01-24	43.5	42.8
JAN'24	27-01-24	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

GOURI-I & II (A) OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-24/44	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

MANAGER OFFICE-GOURI-I OC BGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
8.1.2024	9.1.2024	287	187	56	19	12	Cloudy sky / Calm
23.1.2024	24.1.2024	278	187	48	14	10	Clear sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE GOURI SUB AREA BGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
9.1.2024	10.1.2024	297	165	41	16	10	Cloudy sky / Calm
24.1.2024	25.1.2024	295	162	40	18	12	Clear sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT BSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
4.1.2024	5.1.2024	89	32	12	BDL	Clear sky / Calm	
5.1.2024	6.1.2024	76	24	12	BDL	Clear sky / Calm	
11.1.2024	12.1.2024	79	26	11	BDL	Clear sky / Calm	
12.1.2024	13.1.2024	69	30	10	BDL	Clear sky / Calm	
18.1.2024	19.1.2024	80	39	13	BDL	Clear sky / Calm	
19.1.2024	20.1.2024	75	29	12	BDL	Clear sky / Calm	
25.1.2024	26.1.2024	80	36	14	BDL	Clear sky / Calm	
26.1.2024	27.1.2024	68	40	13	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

GOURI VILLAGE BGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
8.1.2024	9.1.2024	69	30	14	BDL	Cloudy sky / Calm	
23.1.2024	24.1.2024	82	29	12	BDL	Clear sky / calm	
NAAQS, 2009		100	60	80	80		


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

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

GOURI I &II OC CHP BGUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
28.1.2024	29.1.2024	5	5	Clear sky / calm
		381	256	
GOURI I &II OC W BRIDGE BGUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
28.1.2024	29.1.2024	5	5	Clear sky / calm
		397	290	



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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 : 16-01-24 TO 15-02-24

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
13.1.2024	7.75	56	48	BDL
24.1.2024	7.63	36	80	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13.1.2024	7.8	32	44	BDL
25.1.2024	7.06	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	
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NOISE LEVEL MONITORING DATA

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

CHP: BGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	66.3	65.7
JAN'24	27-01-24	65.9	64.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	42.4	41.9
JAN'24	27-01-24	43.7	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/JAN-24/43	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

MANAGER OFFICE		BGDO1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
07-01-24	08-01-24	269	169	56	15	10	Cloudy sky /Calm
22-01-24	23-01-24	245	159	59	12	BDL	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MUTRA VILLAGE		BGDO2					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 _x	So _x		
07-01-24	08-01-24	87	45	12	BDL	Cloudy sky /Calm	
22-01-24	23-01-24	69	30	15	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

GOYEGAON VILLAGE		BGDO3					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 _x	So _x		
08-01-24	09-01-24	80	38	10	BDL	Cloudy sky /Calm	
23-01-24	24-01-24	71	29	14	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

ANTARGAON VILLAGE		BGDO4					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 _x	So _x		
08-01-24	09-01-24	78	38	10	BDL	Cloudy sky /Calm	
23-01-24	24-01-24	78	36	14	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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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

WEIGH BRIDGE BGDOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
6.1.2024	7.1.2024	410	315	Clear sky / Calm

CHP BGDOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
12.1.2024	13.1.2024	413	314	Clear sky / Calm



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-24 TO 15-02-24

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
11-01-24	7.6	34	64	BDL
23-01-24	7.36	40	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP) DISCHARGE: BGDW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-24	7.8	32	44	BDL
23-01-24	7.63	28	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, JULY-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	11-01-24	56	55.5
JAN'24	27-01-24	56.5	55.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP		BGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	11-01-24	64.6	64
JAN'24	27-01-24	63.6	62.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

NEW DHOPTALA OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 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/JAN-24/45	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

SAM OFFICE- DHOPTALA SUB AREA		BNDOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
		5	5	2	6	10	
10-01-24	11-01-24	258	157	30	16	10	Cloudy sky / Clear
25-01-24	26-01-24	258	149	41	14	10	Clear sky /Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


MANAGER OFFICE-DHOPTALA OC		BNDOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
		5	5	2	6	10	
11-01-24	12-01-24	299	187	46	19	13	Cloudy sky / Clear
25-01-24	26-01-24	268	169	56	19	13	Clear sky /Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SASTI COLONY		BSUA3				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	
13-01-24	14-01-24	87	30	16	10	Clear sky /Calm
27-01-24	28-01-24	80	34	14	BDL	Clear sky /Calm
					80	

MUTHRA VILLAGE		BGDO2				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	
07-01-24	08-01-24	87	45	12	BDL	Cloudy sky /Calm
22-01-24	23-01-24	69	30	15	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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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE BNDOF1		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
29-01-24	30-01-24	399	298	Clear sky / Calm

DATE(dd:mm:yy) OF SAMPLING		CHP/Coal Mine Point BNDOF2		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
29.1.2024	30.1.2024	420	312	Clear sky / Calm



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-24 TO 15-02-24

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
15-01-24	7.6	18	44	BDL
25-01-24	7.50	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

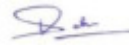
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JULY-2015
SAMPLING METHOD	LSOP 6

CHP: BNDON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	65.3	65
JAN'24	27-01-24	67.5	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY: BSUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	43.8	43
JAN'24	27-01-24	43.9	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PAUNI II OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/47	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
13.1.2024	14.1.2024	298	178	60	19	12	Clear sky / calm
27.1.2024	28.1.2024	248	165	52	14	BDL	Clear sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


SUBSTATION BP20A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
13.1.2024	14.1.2024	230	124	36	14	BDL	Clear sky / calm
27.1.2024	28.1.2024	210	135	39	13	BDL	Clear sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAKHARI VILLAGE BP20A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
4.1.2024	5.1.2024	69	34	14	BDL	Clear sky / calm	
5.1.2024	6.1.2024	74	30	12	BDL	Clear sky / calm	
11.1.2024	12.1.2024	72	36	13	BDL	Clear sky / calm	
12.1.2024	13.1.2024	81	28	16	BDL	Clear sky / calm	
18.1.2024	19.1.2024	69	30	14	BDL	Clear sky / calm	
19.1.2024	20.1.2024	72	28	12	BDL	Clear sky / calm	
25.1.2024	26.1.2024	75	28	15	BDL	Clear sky / calm	
26.1.2024	27.1.2024	65	32	12	BDL	Clear sky / calm	
NAAQS, 2009		100	60	80	80		

WORKSHOP PAUNI OC BPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
9.1.2024	10.1.2024	254	159	48	16	10	Cloudy sky / Clam
24.1.2024	25.1.2024	245	145	45	14	10	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



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

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

WEIGH BRIDGE BNDOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
5.1.2024	6.1.2024	450	356	Clear sky / Calm

CHP BNDOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
5.1.2024	6.1.2024	408	299	Clear sky / Calm




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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 : 16-01-24 TO 15-02-24

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
7.1.2024	7.65	48	28	BDL
26.1.2024	7.58	44	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, JULY-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	11-01-24	55.6	55
JAN'24	27-01-24	55.7	54.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP		BPON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	11-01-24	64.8	64.1
JAN'24	27-01-24	65.9	64.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/JAN-24/46	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

MANAGER OFFICE-POUNI OC BPOA1							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
9.1.2024	10.1.2024	285	168	40	16	10	Cloudy sky / Clam
24.1.2024	25.1.2024	298	210	50	20	14	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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	
9.1.2024	10.1.2024	254	159	48	16	10	Cloudy sky / Clam
24.1.2024	25.1.2024	245	145	45	14	10	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PAUNI VILLAGE BPOA3							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
9.1.2024	10.1.2024	82	40	14	BDL	Cloudy sky / Clam	
24.1.2024	25.1.2024	70	31	12	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

GOURI VILLAGE BGOA4							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
8.1.2024	9.1.2024	69	30	14	BDL	Cloudy sky / Calm	
23.1.2024	24.1.2024	82	29	12	BDL	Clear sky / calm	
NAAQS, 2009		100	60	80	80		


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

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE		ENVIRONMENT CONDITIONS (Sky/Wind)
		BNDOF1		
PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	
28.1.2024	29.1.2024	410	310	Clear sky / Calm



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		
SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(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 : 16-01-24 TO 15-02-24		

MINE WATER DISCHARGE: BPOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
15.1.2024	7.55	18	44	BDL
25.1.2024	7.48	48	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BPOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
15.1.2024	7.9	22	28	BDL
25.1.2024	7.24	36	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

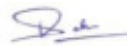
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JULY-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	57.2	56.6
JAN'24	27-01-24	57.6	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
JAN'24	11-01-24	42.4	41.9
JAN'24	27-01-24	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

SASTI OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



JANUARY 2024

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/48	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
13-01-24	14-01-24	278	156	49	14	BDL	Clear sky / Calm
27-01-24	28-01-24	248	165	42	16	10	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


AREA STORE BSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
13-01-24	14-01-24	240	147	38	15	10	Clear sky / Calm
27-01-24	28-01-24	278	148	38	16	10	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT BSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
04-01-24	05-01-24	89	32	12	BDL	Clear sky / Calm	
05-01-24	06-01-24	76	24	12	BDL	Clear sky / Calm	
11-01-24	12-01-24	79	26	11	BDL	Clear sky / Calm	
12-01-24	13-01-24	69	30	10	BDL	Clear sky / Calm	
18-01-24	19-01-24	80	39	13	BDL	Clear sky / Calm	
19-01-24	20-01-24	75	29	12	BDL	Clear sky / Calm	
25-01-24	26-01-24	80	36	14	BDL	Clear sky / Calm	
26-01-24	27-01-24	68	40	13	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
04-01-24	05-01-24	80	39	14	BDL	Clear sky / Calm	
05-01-24	06-01-24	69	40	12	BDL	Clear sky / Calm	
11-01-24	12-01-24	65	42	10	BDL	Clear sky / Calm	
12-01-24	13-01-24	74	30	13	BDL	Clear sky / Calm	
18-01-24	19-01-24	65	30	12	BDL	Clear sky / Calm	
19-01-24	20-01-24	80	24	10	BDL	Clear sky / Calm	
25-01-24	26-01-24	72	31	11	BDL	Clear sky / Calm	
26-01-24	27-01-24	78	30	10	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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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES: 16-01-24 TO 15-02-24		

WEIGH BRIDGE BSOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
06-01-24	07-01-24	5	5	Clear sky / Calm
		412	310	
MAIN CHP BSOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
06-01-24	07-01-24	5	5	Clear sky / Calm
		358	298	



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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 : 16-01-24 TO 15-02-24


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
07-01-24	7.55	20	20	BDL
26-01-24	7.38	32	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
07-01-24	7.69	30	48	BDL
26-01-24	7.35	32	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED:		BSOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
07-01-24	48	15	
26-01-24	36	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JULY-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
JAN'24	11-01-24	64.6	64
JAN'24	27-01-24	65.6	64.5
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
JAN'24	11-01-24	42.4	41.9
JAN'24	27-01-24	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		55	45



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ENVIRONMENTAL MONITORING REPORT

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BALLARPUR AREA

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JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/JAN-24/49	DATE OF ISSUE		24-02-24
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:		16-01-24 TO 15-02-24	

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	
10.1.2024	11.1.2024	258	157	30	16	10	Cloudy sky / Clear
25.1.2024	26.1.2024	258	149	41	14	10	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE-DHOPTALA OC BND0A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
11.1.2024	12.1.2024	299	187	46	19	13	Cloudy sky / Clear
25.1.2024	26.1.2024	268	169	56	19	13	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SASTI COLONY BSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
13.1.2024	14.1.2024	87	30	16	10	Clear sky / Calm	
27.1.2024	28.1.2024	80	40	15	10	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
4.1.2024	5.1.2024	80	39	14	BDL	Clear sky / Calm	
5.1.2024	6.1.2024	69	40	12	BDL	Clear sky / Calm	
11.1.2024	12.1.2024	65	42	10	BDL	Clear sky / Calm	
12.1.2024	13.1.2024	74	30	13	BDL	Clear sky / Calm	
18.1.2024	19.1.2024	65	30	12	BDL	Clear sky / Calm	
19.1.2024	20.1.2024	80	24	10	BDL	Clear sky / Calm	
25.1.2024	26.1.2024	72	31	11	BDL	Clear sky / Calm	
26.1.2024	27.1.2024	78	30	10	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

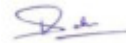
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JULY-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		BSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	46.8	45.9
JAN'24	27-01-24	44.8	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY:		BSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	43.8	43
JAN'24	27-01-24	43.9	42.8
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



JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JANUARY-24/31	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

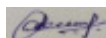
BHATADI SECURITY POST CBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
01.01.2024	02.01.2024	374	219	59	27	20	Cloudy Sky/Light Breeze
16.01.2024	17.01.2024	353	208	57	35	25	Clear 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	
01.01.2024	02.01.2024	340	186	57	26	18	Cloudy Sky/Light Breeze
16.01.2024	17.01.2024	336	178	52	30	23	Clear 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		
01.01.2024	02.01.2024	84	34	25	17	Cloudy Sky/Light Breeze	
16.01.2024	17.01.2024	79	26	20	13	Clear Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

VADHOLI VILLAGE CBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
01.01.2024	02.01.2024	87	30	23	17	Cloudy Sky/Light Breeze	
16.01.2024	17.01.2024	82	27	20	15	Clear Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

BHATADI COLONY CBOA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
01.01.2024	02.01.2024	83	32	22	15	Cloudy Sky/Light Breeze	
16.01.2024	17.01.2024	81	27	24	16	Clear Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		



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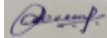
FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : L SOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	


WORKSHOP CBOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
13.01.2024	14.01.2024	446	271	Cloudy Sky / Light Breeze

CHP/MGR LOADING POINT CBOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
13.01.2024	14.01.2024	479	288	Cloudy Sky / Light Breeze

WEIGH BRIDGE CBOF3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
13.01.2024	14.01.2024	461	279	Cloudy Sky / Light Breeze



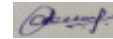
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-01-24 TO 15-02-24			

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
01.01.2024	8.15	30	34	BDL
16.01.2024	8.08	27	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: CBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
01.01.2024	8.12	23	24	BDL
16.01.2024	7.73	21	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: CBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
01.01.2024	20	10.8
16.01.2024	25	9.6
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: CBON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT		20
JAN'24	09-01-24	65.3	65
JAN'24	23-01-24	65.5	64.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CBON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT		20
JAN'24	09-01-24	43.6	43
JAN'24	23-01-24	43.6	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

CRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



JANUARY 2024

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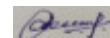
TEST REPORT NO.	RIN/TR/JANURAY-24/32	DATE OF ISSUE	24-02-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), 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:		16-01-24 TO 15-02-24

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	
04.01.2024	05.01.2024	312	170	51	27	21	Cloudy Sky/Light Breeze
19.01.2024	20.01.2024	299	168	49	24	16	Clear 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	
04.01.2024	05.01.2024	340	184	56	31	21	Cloudy Sky/Light Breeze
19.01.2024	20.01.2024	326	176	50	28	17	Clear 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	
04.01.2024	05.01.2024	296	172	50	25	16	Cloudy Sky/Light Breeze
19.01.2024	20.01.2024	284	168	48	22	13	Clear 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		
04.01.2024	05.01.2024	79	25	15	11	Cloudy Sky/Light Breeze	
19.01.2024	20.01.2024	74	21	16	13	Clear Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		



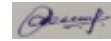
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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

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	
27.01.2024	28.01.2024	465	278	clear Sky / Light Breeze



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NOISE LEVEL MONITORING DATA

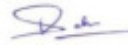
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP: CCRUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	09-01-24	62.4	61.8
JAN'24	23-01-24	62.8	61.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CCRUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	09-01-24	42.6	41.8
JAN'24	23-01-24	42.9	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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CHANDRAPUR AREA

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JANUARY 2024

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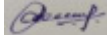
TEST REPORT NO.	RIN/TR/JANUARY-24/33	DATE OF ISSUE	24-02-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), 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:		16-01-24 TO 15-02-24

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	
03.01.2024	04.01.2024	320	181	54	27	21	Cloudy Sky/Light Breeze
18.01.2024	19.01.2024	317	172	50	23	18	Clear Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEHRU NAGAR- SUBSTATION 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	
03.01.2024	04.01.2024	318	178	54	27	18	Cloudy Sky/Light Breeze
18.01.2024	19.01.2024	294	174	49	22	16	Clear 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		
03.01.2024	04.01.2024	82	27	16	11	Cloudy Sky/Light Breeze	
18.01.2024	19.01.2024	78	22	17	13	Clear Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

PIT OFFICE DRC-IV CDRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly 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	
03.01.2024	04.01.2024	317	175	53	29	24	Cloudy Sky/Light Breeze
18.01.2024	19.01.2024	308	170	51	24	20	Clear Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



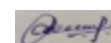
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

DATE(dd:mm:yy) OF SAMPLING		COAL BUNKER	CDUF1	ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
27.01.2024	28.01.2024	5	5	
		471	276	Clear sky / Light Breeze

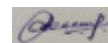


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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-01-24 TO 15-02-24

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
03.01.2024	7.84	24	32	BDL
18.01.2024	7.88	22	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25- 09-2000	5.5 - 9.0	100	250	10



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, 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
JAN'24	09-01-24	66.5	66
JAN'24	23-01-24	66.7	65.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY: CDRUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	09-01-24	43.8	43.1
JAN'24	23-01-24	43.6	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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TEST REPORT NO.	RIN/TR/JANUARY-24/34	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
06.01.2024	07.01.2024	349	197	59	41	29	Clear Sky/Calm
20.01.2024	21.01.2024	332	185	56	36	26	Clear Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DURGAPUR VILLAGE CDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04.01.2024	05.01.2024	87	35	26	16	16	Clear Sky/Calm
05.01.2024	06.01.2024	82	28	23	20	20	Clear Sky/Calm
11.01.2024	12.01.2024	79	27	17	14	14	Clear Sky/Calm
12.01.2024	13.01.2024	83	32	22	15	15	Clear Sky/Calm
18.01.2024	19.01.2024	80	26	21	18	18	Clear Sky/Calm
19.01.2024	20.01.2024	88	38	27	21	21	Clear Sky/Calm
25.01.2024	26.01.2024	84	35	22	18	18	Clear Sky/Calm
26.01.2024	27.01.2024	86	37	25	16	16	Clear Sky/Calm
NAAQS, 2009		100	60	80	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	
06.01.2024	07.01.2024	352	192	57	39	27	Clear Sky/Calm
20.01.2024	21.01.2024	340	181	54	34	23	Clear Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT DOC/POC COLONY CDOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04.01.2024	05.01.2024	80	26	22	15	15	Clear Sky/Calm
05.01.2024	06.01.2024	88	35	30	24	24	Clear Sky/Calm
11.01.2024	12.01.2024	81	29	26	19	19	Clear Sky/Calm
12.01.2024	13.01.2024	89	37	27	21	21	Clear Sky/Calm
18.01.2024	19.01.2024	86	34	29	23	23	Clear Sky/Calm
19.01.2024	20.01.2024	91	39	34	26	26	Clear Sky/Calm
25.01.2024	26.01.2024	84	32	29	22	22	Clear Sky/Calm
26.01.2024	27.01.2024	82	30	23	18	18	Clear Sky/Calm
NAAQS, 2009		100	60	80	80	80	



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FUGITIVE DUST MONITORING


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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

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	
11.01.2024	12.01.2024	486	286	Clear Sky / Light Breeze

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
12.01.2024	13.01.2024	445	265	Clear Sky / Light Breeze



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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 :	16-01-24 TO 15-02-24

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
07.01.2024	8.05	28	24	BDL
21.01.2024	8.19	30	34	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
07.01.2024	2.97	25	24	BDL
21.01.2024	2.90	34	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): CDOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.01.2024	7.48	23	20	BDL
21.01.2024	7.44	29	24	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		
07.01.2024	29	8.4		
21.01.2024	34	7.8		
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30		



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB 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
JAN'24	09-01-24	66.9	66
JAN'24	23-01-24	64.5	63.6
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
JAN'24	09-01-24	43.8	43.1
JAN'24	23-01-24	43.6	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

HLP-I & III UG

CHANDRAPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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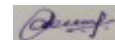
TEST REPORT NO.	RIN/TR/JANURAY-24/37	DATE OF ISSUE	24-02-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), 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:		16-01-24 TO 15-02-24

SUBSTATION HLC I UG CHUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.01.2024	06.01.2024	326	188	56	28	18	Cloudy Sky/Light Breeze
20.01.2024	21.01.2024	318	181	53	25	16	Clear Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


PIT OFFICE - HLC-I INCLINE CHUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.01.2024	06.01.2024	329	194	57	30	24	Cloudy Sky/Light Breeze
20.01.2024	21.01.2024	320	186	55	26	21	Clear Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HLC-III COLONY CHUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05.01.2024	06.01.2024	82	26	18	16	Cloudy Sky/Light Breeze	
20.01.2024	21.01.2024	78	25	16	13	Clear Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

RAJIV GANDHI ENGG. COLLEGE CHUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				Rainy/Windy	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05.01.2024	06.01.2024	81	24	21	15	Cloudy Sky/Light Breeze	
20.01.2024	21.01.2024	75	21	17	11	Clear Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		



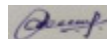
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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 : 16-01-24 TO 15-02-24

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
05.01.2024	7.91	33	40	BDL
20.01.2024	7.52	29	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE(HLP-I): CHUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.01.2024	7.25	26	24	BDL
20.01.2024	7.50	22	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, 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
JAN'24	09-01-24	68.1	67.5
JAN'24	23-01-24	68.8	67.9
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
JAN'24	09-01-24	44.8	44.1
JAN'24	23-01-24	44.5	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

HLP OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



JANUARY 2024

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CMPDI
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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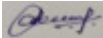
TEST REPORT NO.	RIN/TR/JANUARY-24/35	DATE OF ISSUE	24-02-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), 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:		16-01-24 TO 15-02-24

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	
07.01.2024	08.01.2024	331	180	55	26	20	Cloudy Sky/Light Breeze
22.01.2024	23.01.2024	315	178	51	21	17	Clear 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	
06.01.2024	07.01.2024	372	193	56	35	24	Cloudy Sky/Light Breeze
21.01.2024	22.01.2024	365	184	54	29	21	Clear 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	
06.01.2024	07.01.2024	80	27	20	14	Cloudy Sky/Light Breeze
21.01.2024	22.01.2024	75	21	15	10	Clear 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	
07.01.2024	08.01.2024	81	26	17	13	Cloudy Sky/Light Breeze
22.01.2024	23.01.2024	72	22	14	11	Clear Sky/Light Breeze
NAAQS, 2009		100	60	80	80	



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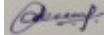
FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

		MAIN CHP	CHLOF1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀		
28.01.2024	29.01.2024	5	5	Clear / Light Breeze	
		475	268		

		RAILWAY SIDING	CHLOF2		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀		
28.01.2024	29.01.2024	5	5	Clear / Light Breeze	
		490	284		

		WEIGH BRIDGE	CHLOF3		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀		
28.01.2024	29.01.2024	5	5	Clear / Light Breeze	
		481	278		

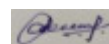


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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 : 16-01-24 TO 15-02-24

MINE WATER DISCHARGE: CHOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.01.2024	7.95	37	40	BDL
20.01.2024	8.05	29	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	09-01-24	66.3	65.7
JAN'24	23-01-24	66.6	65.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	09-01-24	43.6	42.7
JAN'24	23-01-24	43.7	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MAHAKALI UG

CHANDRAPUR AREA

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JANUARY 2024



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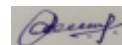
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/JANUARY-24/37	DATE OF ISSUE	24-02-24		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document 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:		16-01-24 TO 15-02-24		

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	
04.01.2024	05.01.2024	312	170	51	27	21	Cloudy Sky/Light Breeze
19.01.2024	20.01.2024	299	168	49	24	16	Clear 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	
04.01.2024	05.01.2024	340	184	56	31	21	Cloudy Sky/Light Breeze
19.01.2024	20.01.2024	326	176	50	28	17	Clear 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	
04.01.2024	05.01.2024	296	172	50	25	16	Cloudy Sky/Light Breeze
19.01.2024	20.01.2024	284	168	48	22	13	Clear 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		
04.01.2024	05.01.2024	79	25	15	11	Cloudy Sky/Light Breeze	
19.01.2024	20.01.2024	74	21	16	13	Clear Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

COAL BUNKER CMKUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
27.01.2024	28.01.2024	469	260	Clear Sky / Light Breeze



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION		Water sample			
Test Required		pH: IS 3025 -Part 11:1983(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 :		16-01-24 TO 15-02-24

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
04.01.2024	7.62	23	28	BDL
19.01.2024	7.28	27	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

FAN HOUSE: CMKUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	09-01-24	62.8	62
JAN'24	23-01-24	62.5	61.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MAHAKALI): CMKUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	09-01-24	43.1	42.7
JAN'24	23-01-24	43.6	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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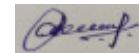
TEST REPORT NO.	RIN/TR/JANUARY-24/38	DATE OF ISSUE	24-02-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), 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:		16/01/24 TO 15/02/24

MANAGER OFFICE CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.01.2024	07.01.2024	313	179	51	27	22	Cloudy Sky/Light Breeze
21.01.2024	22.01.2024	305	170	49	23	17	Clear 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	
06.01.2024	07.01.2024	348	185	54	31	26	Cloudy Sky/Light Breeze
21.01.2024	22.01.2024	336	178	50	26	21	Clear Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (NANDGAON) CNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.01.2024	07.01.2024	80	27	20	14	Cloudy Sky/Light Breeze	
21.01.2024	22.01.2024	75	21	15	10	Clear Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

MANA VILLAGE CMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07.01.2024	08.01.2024	81	26	17	13	Cloudy Sky/Light Breeze	
22.01.2024	23.01.2024	72	22	14	11	Clear Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

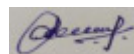


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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 : 16/01/24 TO 15/02/24

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
06.01.2024	7.75	25	32	BDL
21.01.2024	8.15	23	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE: CMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	09-01-24	64.1	63.7
JAN'24	23-01-24	64.9	63.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(HLP OC): CHON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	09-01-24	43.6	42.7
JAN'24	23-01-24	43.7	42.8
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



JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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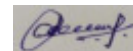
TEST REPORT NO.	RIN/TR/JANUARY-24/39	DATE OF ISSUE	24-02-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), 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:		16/01/24 TO 15/02/24

MANAGER OFFICE NANDGAON UG		CNUA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.01.2024	08.01.2024	331	180	55	26	20	Cloudy Sky/Light Breeze
22.01.2024	23.01.2024	315	178	51	21	17	Clear Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE		CMUA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.01.2024	07.01.2024	348	185	54	31	26	Cloudy Sky/Light Breeze
21.01.2024	22.01.2024	336	178	50	26	21	Clear Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE		CMUA4					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		
07.01.2024	08.01.2024	81	26	17	13	Cloudy Sky/Light Breeze	
22.01.2024	23.01.2024	72	22	14	11	Clear Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

COLONY (NANDGAON)		CNUA2					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		
06.01.2024	07.01.2024	80	27	20	14	Cloudy Sky/Light Breeze	
21.01.2024	22.01.2024	75	21	15	10	Clear Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

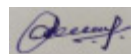


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16/01/24 TO 15/02/24

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
07.01.2024	7.10	26	32	BDL
22.01.2024	6.98	21	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	09-01-24	67.5	67
JAN'24	23-01-24	67.8	66.9
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
JAN'24	09-01-24	43.6	42.7
JAN'24	23-01-24	43.7	42.8
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



JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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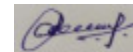
TEST REPORT NO.	RIN/TR/JANUARY-24/40	DATE OF ISSUE	24-02-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), 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:		16-01-24 TO 15-02-24

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	
02.01.2024	03.01.2024	369	215	56	35	26	Cloudy Sky/Light Breeze
17.01.2024	18.01.2024	352	205	53	29	21	Clear 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	
02.01.2024	03.01.2024	86	28	16	11	Cloudy Sky/Light Breeze
17.01.2024	18.01.2024	82	26	20	16	Clear 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	
02.01.2024	03.01.2024	88	31	18	16	Cloudy Sky/Light Breeze
17.01.2024	18.01.2024	83	25	15	12	Clear 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	
01.01.2024	02.01.2024	89	33	24	16	Cloudy Sky/Light Breeze
17.01.2024	18.01.2024	84	28	18	13	Clear Sky/Light Breeze
NAAQS, 2009		100	60	80	80	



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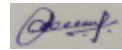
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING


TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

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	
27.01.2024	28.01.2024	488	280	Clear Sky/Light Breeze

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
27.01.2024	28.01.2024	498	288	Clear Sky/Light Breeze



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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)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	09-01-24	62.8	62.3
JAN'24	23-01-24	62.7	61.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	09-01-24	43.8	43.1
JAN'24	23-01-24	43.6	42.7
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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JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/51	DATE OF ISSUE	24-02-24
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 : LSP0 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-24 TO 15-02-24

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	
03-01-24	04-01-24	352	217	72	20	16	CLEAR/ MODERATE BREEZE
16-01-24	17-01-24	382	207	60	17	14	CLEAR/ LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PATALA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-24	07-01-24	368	202	68	18	15	CLOUDY SKY/ CALM
20-01-24	21-01-24	399	196	63	20	16	CLEAR/ 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		
02-01-24	03-01-24	96	54	12	10	CLOUDY SKY/LIGHT BREEZE	
03-01-24	04-01-24	102	47	16	14	CLEAR SKY/MODERATE BREEZE	
09-01-24	10-01-24	78	46	18	15	CLOUDY SKY/LIGHT BREEZE	
10-01-24	11-01-24	87	50	17	14	CLEAR SKY/LIGHT BREEZE	
16-01-24	17-01-24	94	65	17	14	CLEAR SKY/LIGHT BREEZE	
17-01-24	18-01-24	105	54	18	13	CLOUDY SKY/MODERATE BREEZE	
23-01-24	24-01-24	86	40	14	12	CLOUDY SKY/LIGHT BREEZE	
24-01-24	25-01-24	98	48	21	17	CLOUDY/MODERATE BREEZE	
30-01-24	31-01-24	99	54	20	16	CLEAR/ MODERATE BREEZE	
31-01-24	01-02-24	103	56	21	17	CLEAR SKY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

KUCHANA COLONY MMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-01-24	03-01-24	96	46	16	12	CLOUDY SKY/LIGHT BREEZE	
03-01-24	04-01-24	75	48	18	13	CLEAR SKY/MODERATE BREEZE	
09-01-24	10-01-24	88	42	16	14	CLOUDY SKY/LIGHT BREEZE	
10-01-24	11-01-24	63	35	14	10	CLEAR SKY/LIGHT BREEZE	
16-01-24	17-01-24	80	54	18	14	CLEAR SKY/LIGHT BREEZE	
17-01-24	18-01-24	99	57	16	12	CLOUDY SKY/MODERATE BREEZE	
23-01-24	24-01-24	75	45	18	14	CLOUDY SKY/LIGHT BREEZE	
24-01-24	25-01-24	90	44	16	13	CLOUDY/MODERATE BREEZE	
30-01-24	31-01-24	86	54	14	12	CLEAR/ MODERATE BREEZE	
31-01-24	01-02-24	90	56	17	14	CLEAR SKY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

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-		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-24 TO 15-02-24

FIELD MAIN SHED MOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
02-01-24	03-01-24	420	310	CLOUDY SKY/LIGHT BREEZE

CHP MOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
02-01-24	03-01-24	400	278	CLOUDY SKY/LIGHT BREEZE



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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 : 16-01-24 TO 15-02-24

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
02-01-24	7.35	40	44	BDL
16-01-24	7.60	52	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
02-01-24	7.55	36	44	BDL
16-01-24	7.68	32	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: MAJRI AREA HOSPITAL				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
15-01-24	7.8	50	68	BDL
30-01-24	7.72	36	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993		100		30

STP: MMUW3			
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
02-01-24	46	12	
16-01-24	30	10.2	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30	



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NOISE LEVEL MONITORING DATA

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

FIELD MINE SHED:		MMON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	56.1	54.3
JAN'24	25-01-24	56.7	54.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

KUCHNA COLONY:		MMON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	45.4	43.2
JAN'24	25-01-24	45.6	44.3
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



JANUARY 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/JAN-24/50	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
06-01-24	07-01-24	368	202	68	18	15	CLOUDY SKY/ CALM
20-01-24	21-01-24	399	196	63	20	16	CLEAR/ LIGHT BREEZE
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	
06-01-24	07-01-24	402	216	84	22	16	CLOUDY SKY/ CALM
20-01-24	21-01-24	385	206	90	18	14	CLEAR/ LIGHT BREEZE
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	
06-01-24	07-01-24	394	233	74	20	14	CLOUDY SKY/ CALM
20-01-24	21-01-24	370	193	62	14	12	CLEAR/ LIGHT BREEZE
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	
06-01-24	07-01-24	86	50	18	14	CLOUDY SKY/ CALM
20-01-24	21-01-24	94	56	17	14	CLEAR/ LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



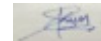
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-24 TO 15-02-24

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	
06-01-24	07-01-24	380	256	CLOUDY SKY/CALM



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-01-24 TO 15-02-24

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
06-01-24	7.84	56	36	BDL
20-01-24	7.60	44	40	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
06-01-24	7.21	32	40	BDL
20-01-24	7.40	48	64	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	
06-01-24	40	15	
20-01-24	44	16.2	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30	



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, 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
JAN'24	11-01-24	54.5	53.1
JAN'24	25-01-24	54.3	51.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MAJRI UG TO OC):		MMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	11-01-24	44.6	42.3
JAN'24	25-01-24	45.1	43.8
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



JANUARY 2024

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/52	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

PIT OFFICE MYOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM ₅	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-01-24	04-01-24	392	240	75	21	18	CLEAR/MODERATE BREEZE
16-01-24	17-01-24	388	230	64	24	20	CLEAR/LIGHT BREEZE
6/		600	300	60	120	120	

PENZURNI VILLAGE MYOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-01-24	03-01-24	80	44	16	13	13	CLOUDY SKY/LIGHT BREEZE
03-01-24	04-01-24	74	42	18	14	14	CLEAR SKY/MODERATE BREEZE
09-01-24	10-01-24	86	56	21	16	16	CLOUDY SKY/LIGHT BREEZE
10-01-24	11-01-24	100	55	18	15	15	CLEAR SKY/LIGHT BREEZE
16-01-24	17-01-24	84	58	18	14	14	CLEAR SKY/LIGHT BREEZE
17-01-24	18-01-24	88	46	18	13	13	CLOUDY SKY/MODERATE BREEZE
23-01-24	24-01-24	97	59	17	14	14	CLOUDY SKY/LIGHT BREEZE
24-01-24	25-01-24	103	67	21	18	18	CLOUDY/MODERATE BREEZE
30-01-24	31-01-24	105	60	17	15	15	CLEAR/ MODERATE BREEZE
31-01-24	01-02-24	110	63	18	15	15	CLEAR SKY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	80	

ASHTI VILLAGE MYOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-01-24	03-01-24	75	46	16	13	13	CLOUDY SKY/LIGHT BREEZE
03-01-24	04-01-24	90	50	16	14	14	CLEAR SKY/MODERATE BREEZE
09-01-24	10-01-24	80	48	22	17	17	CLOUDY SKY/LIGHT BREEZE
10-01-24	11-01-24	97	55	16	13	13	CLEAR SKY/LIGHT BREEZE
16-01-24	17-01-24	78	39	15	12	12	CLEAR SKY/LIGHT BREEZE
17-01-24	18-01-24	108	45	16	13	13	CLOUDY SKY/MODERATE BREEZE
23-01-24	24-01-24	88	48	20	16	16	CLOUDY SKY/LIGHT BREEZE
24-01-24	25-01-24	99	63	16	12	12	CLOUDY/MODERATE BREEZE
30-01-24	31-01-24	101	60	16	12	12	CLEAR/ MODERATE BREEZE
31-01-24	01-02-24	106	62	17	14	14	CLEAR SKY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	80	

DANDGAON VILLAGE MYOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-01-24	03-01-24	78	61	18	16	16	CLOUDY SKY/LIGHT BREEZE
03-01-24	04-01-24	73	45	16	14	14	CLEAR SKY/MODERATE BREEZE
09-01-24	10-01-24	77	52	16	12	12	CLOUDY SKY/LIGHT BREEZE
10-01-24	11-01-24	88	47	20	17	17	CLEAR SKY/LIGHT BREEZE
16-01-24	17-01-24	92	57	17	14	14	CLEAR SKY/LIGHT BREEZE
17-01-24	18-01-24	104	59	21	16	16	CLOUDY SKY/MODERATE BREEZE
23-01-24	24-01-24	74	44	17	14	14	CLOUDY SKY/LIGHT BREEZE
24-01-24	25-01-24	80	50	18	13	13	CLOUDY/MODERATE BREEZE
30-01-24	31-01-24	81	52	16	13	13	CLEAR/ MODERATE BREEZE
31-01-24	01-02-24	89	57	18	14	14	CLEAR SKY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	80	

		HIWRA MAJRA VILLAGE MYOAS				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
02-01-24	03-01-24	92	59	18	16	CLOUDY SKY/LIGHT BREEZE
03-01-24	04-01-24	74	44	16	14	CLEAR SKY/MODERATE BREEZE
09-01-24	10-01-24	81	54	22	17	CLOUDY SKY/LIGHT BREEZE
10-01-24	11-01-24	90	65	18	14	CLEAR SKY/LIGHT BREEZE
16-01-24	17-01-24	83	52	20	17	CLEAR SKY/LIGHT BREEZE
17-01-24	18-01-24	94	60	17	14	CLOUDY SKY/MODERATE BREEZE
23-01-24	24-01-24	80	48	22	18	CLOUDY SKY/LIGHT BREEZE
24-01-24	25-01-24	73	60	17	13	CLOUDY/MODERATE BREEZE
30-01-24	31-01-24	76	62	18	15	CLEAR/ MODERATE BREEZE
31-01-24	01-02-24	79	68	20	16	CLEAR SKY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

DATE(dd:mm:yy) OF SAMPLING		STOCK YARD MYOF1		ENVIRONMENT CONDITIONS (Sky/Wind)
PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	
03-01-24	04-01-24	416	278	CLEAR SKY/MODERATE BREEZE



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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 : 16-01-24 TO 15-02-24

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
14-01-24	8.26	38	56	BDL
17-01-24	8.20	40	64	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE: YEKONA II OC : MYOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14-01-24	8.00	52	48	BDL
17-01-24	7.78	36	56	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
03-01-24	6.85	38	52	BDL
17-01-24	7.65	42	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: : MYOW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
14-01-24	54	13.8
17-01-24	58	12.6
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
JAN'24	11-01-24	54.5	52.3
JAN'24	25-01-24	55.4	53.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




JANUARY 2024



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TEST REPORT NO.	RIN/TR/JAN-24/1	DATE OF ISSUE	26-02-24
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 : LSP0 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-24 TO 15-02-24

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	
01-01-24	02-01-24	352	236	67	35	17	CLEAR/CALM
28-01-24	29-01-24	387	243	71	38	19	CLEAR/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		
01-01-24	02-01-24	90	44	27	BDL	BDL	CLEAR/CALM
28-01-24	29-01-24	93	47	29	BDL	BDL	CLEAR/CALM
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		
01-01-24	02-01-24	88	46	29	BDL	BDL	CLEAR/CALM
27-01-24	28-01-24	91	49	30	BDL	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-01-24	02-01-24	89	47	28	BDL	BDL	CLEAR/CALM
27-01-24	28-01-24	92	50	30	BDL	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80		

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-24 TO 15-02-24

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
02-01-24	7.97	18	32	BDL
29-01-24	8.23	20	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

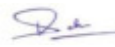
FAN HOUSE: NAUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	69.3	68.5
JAN'24	27-01-24	69.3	69.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE: NAUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	53.2	52.4
JAN'24	27-01-24	54.2	53.3
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
JAN'24	13-01-24	42.2	41.4
JAN'24	27-01-24	42.3	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

BHANEGOAN OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2024



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/2	DATE OF ISSUE	24-02-24
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:	16-01-24 TO 15-02-24	

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	
02-01-24	03-01-24	360	210	66	36	18	CLOUDY/CALM
16-01-24	17-01-24	396	216	70	39	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		
02-01-24	03-01-24	92	46	27	BDL		CLOUDY/CALM
16-01-24	17-01-24	95	49	28	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		
02-01-24	03-01-24	94	47	28	BDL		CLOUDY/CALM
16-01-24	17-01-24	97	50	30	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		
04-01-24	05-01-24	95	46	28	BDL		CLOUDY/CALM
18-01-24	19-01-24	98	49	30	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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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

COAL STOCK YARD NR. WB1 NBOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	S	S	
13-01-24	14-01-24	442	264	CLOUDY/CALM

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-24 TO 15-02-24

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
02-01-24	8.12	20	32	BDL
16-01-24	7.98	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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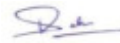
NOISE LEVEL MONITORING DATA

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

CONTRACTOR CAMP		NBN01	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	53.2	52.4
JAN'24	27-01-24	52.3	51.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

GONDEGAON OC

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/3	DATE OF ISSUE	24-02-24
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:		

NEAR SUBSTATION NGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
FROM	TO	5	5	2	6	10	
08-01-24	09-01-24	374	226	65	36	18	CLOUDY/CALM
19-01-24	20-01-24	411	233	69	39	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-01-24	02-01-24	80	40	27	BDL	CLOUDY/CALM
07-01-24	08-01-24	82	41	28	BDL	CLOUDY/CALM
08-01-24	09-01-24	84	42	29	BDL	CLOUDY/CALM
14-01-24	15-01-24	86	43	30	BDL	CLOUDY/CALM
15-01-24	16-01-24	89	42	25	BDL	CLOUDY/CALM
21-01-24	22-01-24	90	43	26	BDL	CLOUDY/CALM
22-01-24	23-01-24	91	44	27	BDL	CLOUDY/CALM
28-01-24	29-01-24	92	45	28	BDL	CLOUDY/CALM
29-01-24	30-01-24	93	46	29	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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
01-01-24	02-01-24	91	42	25	BDL	CLOUDY/CALM
07-01-24	08-01-24	92	43	26	BDL	CLOUDY/CALM
08-01-24	09-01-24	93	44	27	BDL	CLOUDY/CALM
14-01-24	15-01-24	94	41	28	BDL	CLOUDY/CALM
15-01-24	16-01-24	92	41	24	BDL	CLOUDY/CALM
21-01-24	22-01-24	93	42	25	BDL	CLOUDY/CALM
22-01-24	23-01-24	94	43	26	BDL	CLOUDY/CALM
28-01-24	29-01-24	95	44	27	BDL	CLOUDY/CALM
29-01-24	30-01-24	96	45	28	BDL	CLOUDY/CALM
NAAQS, 2009		100	60	80	80	

GHATROHNA VILLAGE NGOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 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	
01-01-24	02-01-24	90	41	25	BDL	CLOUDY/CALM
07-01-24	08-01-24	92	42	26	BDL	CLOUDY/CALM
08-01-24	09-01-24	94	43	27	BDL	CLOUDY/CALM
14-01-24	15-01-24	96	44	28	BDL	CLOUDY/CALM
15-01-24	16-01-24	91	42	26	BDL	CLOUDY/CALM
21-01-24	22-01-24	92	43	27	BDL	CLOUDY/CALM
22-01-24	23-01-24	93	44	28	BDL	CLOUDY/CALM
28-01-24	29-01-24	94	45	29	BDL	CLOUDY/CALM
29-01-24	30-01-24	95	41	30	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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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

GONDEGAON WEIGH BRIDGE/SECURITY CHP NGOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	CLOUDY/CALM
19-01-24	20-01-24	448	262	

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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 :	16-01-24 TO 15-02-24

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
08-01-24	8.01	16	24	BDL
22-01-24	7.42	18	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE NGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-01-24	8.31	18	32	BDL
22-01-24	8.42	20	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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NOISE LEVEL MONITORING DATA

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

CHP		NGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	67.3	66.4
JAN'24	27-01-24	67.2	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GONDEGAON VILLAGE/COLONY		NGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	42.2	41.3
JAN'24	27-01-24	42.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

GHATROHNA VILLAGE:		NGON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	42.3	41.4
JAN'24	27-01-24	42.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE:		NGON4	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	42.2	41.5
JAN'24	27-01-24	42.2	41.4
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/JAN-24/4	DATE OF ISSUE	24-02-24	
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:		16-01-24 TO 15-02-24	

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	
05-01-24	06-01-24	352	232	66	34	18	CLOUDY/CALM
19-01-24	20-01-24	387	239	70	37	20	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	
06-01-24	07-01-24	368	224	64	34	17	CLOUDY/CALM
19-01-24	20-01-24	405	231	68	37	19	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	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-01-24	06-01-24	90	42	24	BDL	CLOUDY/CALM	
06-01-24	07-01-24	91	43	25	BDL	CLOUDY/CALM	
12-01-24	13-01-24	92	44	26	BDL	CLOUDY/CALM	
13-01-24	14-01-24	93	45	27	BDL	CLOUDY/CALM	
19-01-24	20-01-24	93	45	30	BDL	CLOUDY/CALM	
20-01-24	21-01-24	91	43	25	BDL	CLOUDY/CALM	
26-01-24	27-01-24	92	44	26	BDL	CLOUDY/CALM	
27-01-24	28-01-24	93	45	27	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		
05-01-24	06-01-24	93	40	24	BDL	CLOUDY/CALM	
06-01-24	07-01-24	94	41	25	BDL	CLOUDY/CALM	
12-01-24	13-01-24	95	42	26	BDL	CLOUDY/CALM	
13-01-24	14-01-24	96	43	27	BDL	CLOUDY/CALM	
19-01-24	20-01-24	94	46	28	BDL	CLOUDY/CALM	
20-01-24	21-01-24	95	47	29	BDL	CLOUDY/CALM	
26-01-24	27-01-24	94	41	25	BDL	CLOUDY/CALM	
27-01-24	28-01-24	95	42	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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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-24 TO 15-02-24

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	
19-01-24	20-01-24	468	272	CLOUDY/CALM

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
19-01-24	20-01-24	450	262	CLOUDY/CALM

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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 : 16-01-24 TO 15-02-24

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
05-01-24	7.91	16	24	BDL
19-01-24	8.03	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

RC OFFICEE: NION1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	54.3	53.5
JAN'24	27-01-24	53.3	52.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/JAN-24/5	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

SUBSTATION NKCA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-01-24	06-01-24	364	218	65	35	19	CLOUDY/CALM
19-01-24	20-01-24	400	225	69	38	21	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


JUNI KAMPTEE VILLAGE NKCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-01-24	06-01-24	88	40	25	BDL	CLOUDY/CALM	
06-01-24	07-01-24	89	41	26	BDL	CLOUDY/CALM	
12-01-24	13-01-24	90	42	27	BDL	CLOUDY/CALM	
13-01-24	14-01-24	91	43	28	BDL	CLOUDY/CALM	
19-01-24	20-01-24	89	41	26	BDL	CLOUDY/CALM	
20-01-24	21-01-24	90	42	27	BDL	CLOUDY/CALM	
26-01-24	27-01-24	91	43	28	BDL	CLOUDY/CALM	
27-01-24	28-01-24	92	44	29	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-01-24	06-01-24	90	42	24	BDL	CLOUDY/CALM
06-01-24	07-01-24	91	43	25	BDL	CLOUDY/CALM
12-01-24	13-01-24	92	44	26	BDL	CLOUDY/CALM
13-01-24	14-01-24	93	45	27	BDL	CLOUDY/CALM
19-01-24	20-01-24	93	45	30	BDL	CLOUDY/CALM
20-01-24	21-01-24	91	43	25	BDL	CLOUDY/CALM
26-01-24	27-01-24	92	44	26	BDL	CLOUDY/CALM
27-01-24	28-01-24	93	45	27	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05-01-24	06-01-24	93	40	24	BDL	CLOUDY/CALM
06-01-24	07-01-24	94	41	25	BDL	CLOUDY/CALM
12-01-24	13-01-24	95	42	26	BDL	CLOUDY/CALM
13-01-24	14-01-24	96	43	27	BDL	CLOUDY/CALM
19-01-24	20-01-24	94	46	28	BDL	CLOUDY/CALM
20-01-24	21-01-24	95	47	29	BDL	CLOUDY/CALM
26-01-24	27-01-24	94	41	25	BDL	CLOUDY/CALM
27-01-24	28-01-24	95	42	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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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	15-09-23 TO 15-10-23	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
16-01-24	17-01-24	455	269	CLOUDY / CALM

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
16-01-24	17-01-24	435	262	CLOUDY / CALM

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-24 TO 15-02-24

MINE DISCHARGE: NKCW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-01-24	7.97	18	24	BDL
19-01-24	8.19	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: NKCW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-01-24	8.37	20	32	BDL
19-01-24	8.25	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, SEPT-2015
SAMPLING METHOD	LSOP 6

CHP: NKC1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	66.2	65.5
JAN'24	27-01-24	66.3	65.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(KAMPTEE): NKC2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	42.2	41.4
JAN'24	27-01-24	42.2	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/6	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
01-01-24	02-01-24	392	220	66	37	17	CLEAR/LIGHT BREEZE
26-01-24	27-01-24	431	227	70	40	19	CLEAR/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	
01-01-24	02-01-24	85	48	27	BDL	CLEAR/LIGHT BREEZE
26-01-24	27-01-24	88	51	29	BDL	CLEAR/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	
01-01-24	02-01-24	87	45	28	BDL	CLEAR/LIGHT BREEZE
26-01-24	27-01-24	90	48	30	BDL	CLEAR/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	
01-01-24	02-01-24	86	44	27	BDL	CLEAR/LIGHT BREEZE
26-01-24	27-01-24	89	47	29	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-24 TO 15-02-24

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
04-01-24	8.22	16	24	BDL
26-01-24	8.02	18	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

CHP: NPTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	66.3	65.4
JAN'24	27-01-24	66.3	65.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: NPTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	42.3	41.5
JAN'24	27-01-24	42.3	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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TEST REPORT NO.	RIN/TR/JAN-24/8	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

C.M OFFICE-SAONER-I UG NSNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-01-24	02-01-24	380	236	64	34	19	CLEAR/CALM
27-01-24	28-01-24	418	243	68	37	21	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

C.M OFFICE-SAONER-II UG NSNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-01-24	02-01-24	378	228	68	35	18	CLEAR/CALM
27-01-24	28-01-24	416	235	72	38	20	CLEAR/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		
01-01-24	02-01-24	88	46	29	BDL	CLEAR/CALM	
27-01-24	28-01-24	91	49	30	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-01-24	02-01-24	89	47	28	BDL	CLEAR/CALM	
27-01-24	28-01-24	92	50	30	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

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FUGITIVE DUST MONITORING


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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-24 TO 15-02-24

CHP NSNUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
28-01-24	29-01-24	5	5	CLEAR/CALM
		428	256	

RAILWAY SIDING NSNUF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
28-01-24	29-01-24	5	5	CLEAR/CALM
		456	268	

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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 : 16-01-24 TO 15-02-24


MINE WATER DISCHARGE I UG: NSNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
01-01-24	8.08	18	32	BDL
27-01-24	7.82	20	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE II UG: NSNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
01-01-24	8.16	20	36	BDL
27-01-24	7.96	18	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE III UG: NSNUW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
01-01-24	8.22	18	24	BDL
27-01-24	8.01	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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NOISE LEVEL MONITORING DATA

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

FAN HOUSE-I: NSNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT		20
JAN'24	13-01-24	69.3	68.5
JAN'24	27-01-24	69.2	68.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-II: NSNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT		20
JAN'24	13-01-24	69.2	68.4
JAN'24	27-01-24	69.3	68.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-III: NSNUN3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT		20
JAN'24	13-01-24	69.2	68.6
JAN'24	27-01-24	69.2	68.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: NSNUN4			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT		20
JAN'24	13-01-24	42.2	41.4
JAN'24	27-01-24	42.3	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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TEST REPORT NO.	RIN/TR/JAN-24/9	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-01-24	04-01-24	365	218	67	35	18	CLOUDY/CALM
17-01-24	18-01-24	402	225	71	38	20	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-01-24	04-01-24	372	222	65	36	17	CLOUDY/CALM
17-01-24	18-01-24	409	229	69	39	19	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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-24	04-01-24	97	46	28	BDL	CLOUDY/CALM	
17-01-24	18-01-24	96	49	30	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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03-01-24	04-01-24	98	45	28	BDL	CLOUDY/CALM	
17-01-24	18-01-24	95	48	30	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 : 16-01-24 TO 15-02-24

MINE WATER DISCHARGE: NSUW1		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
03-01-24	7.83	18	24	BDL
17-01-24	8.18	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-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
JAN'24	13-01-24	69.2	68.3
JAN'24	27-01-24	69.2	68.4
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
JAN'24	13-01-24	42.2	41.4
JAN'24	27-01-24	42.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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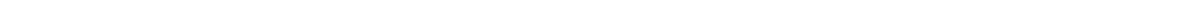



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TEST REPORT NO.	RIN/TR/JAN-24/10	DATE OF ISSUE	24-02-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, 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:		16-01-24 TO 15-02-24

CONTRACTOR CAMP 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	
04-01-24	05-01-24	384	221	64	35	20	CLOUDY/CALM
18-01-24	19-01-24	422	228	68	38	22	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		
04-01-24	05-01-24	96	45	26	BDL		CLOUDY/CALM
18-01-24	19-01-24	98	48	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		
04-01-24	05-01-24	93	47	27	BDL		CLOUDY/CALM
18-01-24	19-01-24	96	50	29	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		
04-01-24	05-01-24	95	46	28	BDL		CLOUDY/CALM
18-01-24	19-01-24	98	49	30	BDL		CLOUDY/CALM
NAAQS, 2009		100	60	80	80		

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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

NEAR COAL STOCK YARD NSOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
15-01-24	16-01-24	468	264	CLOUDY/CALM

WEIGH BRIDGE NSOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
15-01-24	16-01-24	452	262	CLOUDY/CALM

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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 : 16-01-24 TO 15-02-24

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
04-01-24	8.31	20	32	BDL
18-01-24	8.12	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, SEPT-2015
SAMPLING METHOD	LSOP 6

CONTRACTOR CAMP: NSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	13-01-24	52.2	51.3
JAN'24	27-01-24	54.2	53.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SOHALI VILLAGE: NSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	13-01-24	42.2	41.4
JAN'24	27-01-24	42.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

NEAR DRILING SITE: NSON3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	13-01-24	67.3	66.6
JAN'24	27-01-24	67.3	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NEAR DOSING SITE: NSON4			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	13-01-24	66.2	65.5
JAN'24	27-01-24	66.2	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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TEST REPORT NO.	RIN/TR/JAN-24/7	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
02-01-24	03-01-24	366	238	68	36	18	CLEAR/CALM
29-01-24	30-01-24	403	245	72	39	20	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

AJANI VILLAGE BNWUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-01-24	03-01-24	91	45	28	BDL		CLEAR/CALM
29-01-24	30-01-24	94	48	30	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

ADASA VILLAGE BNWUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
13-01-24	14-01-24	92	46	26	BDL		CLEAR/CALM
29-01-24	30-01-24	95	49	28	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

BORGAON VILLAGE BNWUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
13-01-24	14-01-24	93	48	28	BDL		CLEAR/CALM
29-01-24	30-01-24	96	51	30	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

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DHAPEWADA VILLAGE BNWUA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
13-01-24	14-01-24	95	46	26	BDL	CLEAR/CALM
30-01-24	31-01-24	98	49	28	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

TAKLI VILLAGE BNWUA6						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
13-01-24	14-01-24	92	45	28	BDL	CLEAR/CALM
30-01-24	31-01-24	95	48	30	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

SAWANGI VILLAGE BNWUA7						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
13-01-24	14-01-24	94	44	28	BDL	CLEAR/CALM
30-01-24	31-01-24	93	47	30	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 : 16-01-24 TO 15-02-24

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
02-01-24	7.8	16	24	BDL
30-01-24	8.05	18	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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NOISE LEVEL MONITORING DATA

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

AJANI VILLAGE		NWUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	42.2	41.3
JAN'24	27-01-24	42.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

ADASA VILLAGE		NWUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	42.3	41.5
JAN'24	27-01-24	42.3	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

BORGAON VILLAGE		NWUN3	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	42.2	41.4
JAN'24	27-01-24	42.2	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DHAPEWADA VILLAGE		NWUN4	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	42.2	41.5
JAN'24	27-01-24	42.2	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

TAKLI VILLAGE		NWUN5	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	42.3	41.6
JAN'24	27-01-24	42.3	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

SAWANGI VILLAGE		NWUNG	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	42.2	41.3
JAN'24	27-01-24	42.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

NEAR MANAGER OFFICE		NWUN7	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	13-01-24	54.3	53.5
JAN'24	27-01-24	53.2	52.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/11	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

MANAGER OFFICE UM30A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-01-24	03-01-24	228	132	34	11	10	Clear/calm
23-01-24	24-01-24	239	138	38	12	11	Clear/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR RLY. WEIGHT BRIDGE UM30A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-01-24	03-01-24	256	152	47	12	11	Clear/calm
23-01-24	24-01-24	248	139	36	11	10	Clear/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIPARDOL VILLAGE UM30A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-01-24	02-01-24	74	24	6	BDL	Clear / Calm	
07-01-24	08-01-24	77	27	7	BDL	Clear / Calm	
08-01-24	09-01-24	75	25	6	BDL	Clear / Calm	
14-01-24	15-01-24	80	28	8	BDL	Clear / Calm	
15-01-24	16-01-24	76	26	7	BDL	Clear / Calm	
21-01-24	22-01-24	74	24	6	BDL	Clear / Calm	
22-01-24	23-01-24	75	25	6	BDL	Clear / Calm	
28-01-24	29-01-24	78	26	7	BDL	Clear / Calm	
29-01-24	30-01-24	80	28	8	BDL	Clear / Calm	
NAAQS, 2009		100	60	80	80		

WELSAKARA VILLAGE UM30A4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-01-24	02-01-24	78	28	8	BDL	Clear / Calm	
07-01-24	08-01-24	76	26	6	BDL	Clear / Calm	
08-01-24	09-01-24	74	24	6	BDL	Clear / Calm	
14-01-24	15-01-24	77	26	7	BDL	Clear / Calm	
15-01-24	16-01-24	80	28	8	BDL	Clear / Calm	
21-01-24	22-01-24	72	22	6	BDL	Clear / Calm	
22-01-24	23-01-24	76	26	7	BDL	Clear / Calm	
28-01-24	29-01-24	78	28	8	BDL	Clear / Calm	
29-01-24	30-01-24	74	24	6	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 : 16-01-24 TO 15-02-24

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
09-01-24	7.8	24	32	BDL
29-01-24	7.84	22	28	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
09-01-24	8.01	26	36	BDL
29-01-24	7.64	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, JUNE-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'2024	09-01-24	52.3	51.5
JAN'2024	22-01-24	53.2	51.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2024




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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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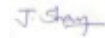
TEST REPORT NO.	RIN/TR/JAN-24/12	DATE OF ISSUE	24-02-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), 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:		16-01-24 TO 15-02-24

CONTRACTOR CAMP UGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-01-24	10-01-24	245	142	42	13	11	Clear/ Calm
30-01-24	31-01-24	258	154	48	14	12	Clear/ Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BESUR VILLAGE UGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-01-24	03-01-24	72	22	6	BDL	Clear/ Calm	
03-01-24	04-01-24	76	26	7	BDL	Clear/ Calm	
09-01-24	10-01-24	80	30	8	BDL	Clear/ Calm	
10-01-24	11-01-24	78	28	7	BDL	Clear/ Calm	
16-01-24	17-01-24	74	24	6	BDL	Clear/ Calm	
17-01-24	18-01-24	76	26	7	BDL	Clear/ Calm	
23-01-24	24-01-24	78	28	8	BDL	Clear/ Calm	
24-01-24	25-01-24	74	24	7	BDL	Clear/ Calm	
30-01-24	31-01-24	72	22	6	BDL	Clear/ Calm	
31-01-24	01-02-24	80	30	8	BDL	Clear/ Calm	
NAAQS, 2009		100	60	80	80		

NAND VILLAGE UGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02-01-24	03-01-24	80	30	8	BDL	Clear/ Calm	
03-01-24	04-01-24	72	22	6	BDL	Clear/ Calm	
09-01-24	10-01-24	74	24	7	BDL	Clear/ Calm	
10-01-24	11-01-24	76	26	7	BDL	Clear/ Calm	
16-01-24	17-01-24	78	28	8	BDL	Clear/ Calm	
17-01-24	18-01-24	74	24	7	BDL	Clear/ Calm	
23-01-24	24-01-24	72	22	6	BDL	Clear/ Calm	
24-01-24	25-01-24	80	30	8	BDL	Clear/ Calm	
30-01-24	31-01-24	76	26	6	BDL	Clear/ Calm	
31-01-24	01-02-24	78	28	7	BDL	Clear/ 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	
02-01-24	03-01-24	80	30	8	BDL	Clear/ Calm
03-01-24	04-01-24	78	28	7	BDL	Clear/ Calm
09-01-24	10-01-24	76	26	6	BDL	Clear/ Calm
10-01-24	11-01-24	72	22	6	BDL	Clear/ Calm
16-01-24	17-01-24	74	24	7	BDL	Clear/ Calm
17-01-24	18-01-24	78	28	8	BDL	Clear/ Calm
23-01-24	24-01-24	80	30	8	BDL	Clear/ Calm
24-01-24	25-01-24	76	26	7	BDL	Clear/ Calm
30-01-24	31-01-24	72	22	6	BDL	Clear/ Calm
31-01-24	01-02-24	76	26	7	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		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-24 TO 15-02-24

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
10-01-24	7.83	28	40	BDL
30-01-24	8.1	26	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
10-01-24	7.85	22	36	BDL
30-01-24	7.62	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


PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'2024	09-01-24	55.2	52.4
JAN'2024	22-01-24	54.1	52.9
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
JAN'2024	09-01-24	54.2	53.4
JAN'2024	22-01-24	54.3	53.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/14	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

NEAR MANAGER OFFICE		UMOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11-01-24	12-01-24	245	142	42	12	11	Cloudy / Calm
25-01-24	26-01-24	251	152	48	14	12	Cloudy / Calm
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 $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11-01-24	12-01-24	239	135	38	11	10	Cloudy / Calm
25-01-24	26-01-24	246	144	44	13	11	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE		UUAO3				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	
09-01-24	10-01-24	78	28	8	BDL	Cloudy / calm
23-01-24	24-01-24	74	74	7	BDL	Cloudy / Calm
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY		UUAO4				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	
09-01-24	10-01-24	72	22	7	BDL	Cloudy / calm
23-01-24	24-01-24	76	26	8	BDL	Cloudy / Calm
NAAQS, 2009		100	60	80	80	

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

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

NEAR PIT OFFICE: UMON1		NOISE LEVEL IN dB(A)	NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	DAY TIME
	DETECTION LIMIT	20	20
JAN'2024	09-01-24	54.2	53.4
JAN'2024	22-01-24	55.4	54.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/34	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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} ₅	NO ₂ ₅	SO ₂ ₁₀	
09-01-24	10-01-24	234	139	36	12	11	Clear / Calm
30-01-24	31-01-24	251	148	48	14	12	Clear / 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	
01-01-24	02-01-24	75	25	6	BDL	Clear / Calm
07-01-24	08-01-24	78	28	7	BDL	Clear / Calm
08-01-24	09-01-24	72	22	6	BDL	Clear / Calm
14-01-24	15-01-24	80	30	8	BDL	Clear / Calm
15-01-24	16-01-24	74	25	6	BDL	Clear / Calm
21-01-24	22-01-24	77	26	7	BDL	Clear / Calm
22-01-24	23-01-24	78	28	8	BDL	Clear / Calm
28-01-24	29-01-24	75	25	6	BDL	Clear / Calm
29-01-24	30-01-24	80	30	8	BDL	Clear / 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	
01-01-24	02-01-24	74	24	6	BDL	Clear / Calm
07-01-24	08-01-24	80	30	8	BDL	Clear / Calm
08-01-24	09-01-24	75	25	6	BDL	Clear / Calm
14-01-24	15-01-24	78	28	8	BDL	Clear / Calm
15-01-24	16-01-24	75	26	6	BDL	Clear / Calm
21-01-24	22-01-24	77	28	8	BDL	Clear / Calm
22-01-24	23-01-24	74	24	6	BDL	Clear / Calm
28-01-24	29-01-24	80	30	8	BDL	Clear / Calm
29-01-24	30-01-24	76	26	6	BDL	Clear / 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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
01-01-24	02-01-24	72	22	6	BDL	Clear / Calm
07-01-24	08-01-24	78	28	7	BDL	Clear / Calm
08-01-24	09-01-24	80	30	8	BDL	Clear / Calm
14-01-24	15-01-24	74	24	6	BDL	Clear / Calm
15-01-24	16-01-24	77	27	7	BDL	Clear / Calm
21-01-24	22-01-24	78	28	8	BDL	Clear / Calm
22-01-24	23-01-24	80	30	8	BDL	Clear / Calm
28-01-24	29-01-24	72	22	6	BDL	Clear / Calm
29-01-24	30-01-24	76	26	7	BDL	Clear / 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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
01-01-24	02-01-24	80	30	8	BDL	Clear / Calm
07-01-24	08-01-24	74	24	6	BDL	Clear / Calm
08-01-24	09-01-24	76	26	7	BDL	Clear / Calm
14-01-24	15-01-24	74	24	6	BDL	Clear / Calm
15-01-24	16-01-24	78	28	8	BDL	Clear / Calm
21-01-24	22-01-24	76	26	6	BDL	Clear / Calm
22-01-24	23-01-24	74	24	6	BDL	Clear / Calm
28-01-24	29-01-24	76	26	7	BDL	Clear / Calm
29-01-24	30-01-24	75	25	6	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 :	16-01-24 TO 15-02-24

MINE WATER DISCHARGE: UM1OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-01-24	7.96	28	40	BDL
29-01-24	7.99	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM1OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-01-24	7.83	26	36	BDL
29-01-24	7.58	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 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
JAN'2024	09-01-24	53.3	52.5
JAN'2024	22-01-24	53.5	52.4
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
JAN'2024	09-01-24	42.2	41.3
JAN'2024	22-01-24	42.4	41.6
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
JAN'2024	09-01-24	42.2	41.5
JAN'2024	22-01-24	43.2	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-24/15	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
10-01-24	11-01-24	301	199	44	15	12	Cloudy / Calm
24-01-24	25-01-24	290	185	42	14	11	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-01-24	11-01-24	310	201	46	14	13	Cloudy / Calm
24-01-24	25-01-24	285	178	40	13	12	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	14	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	
10-01-24	11-01-24	82	32	8	BDL	Cloudy / Calm
24-01-24	25-01-24	75	28	7	BDL	Cloudy / 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	
10-01-24	11-01-24	78	28	7	BDL	Cloudy / Calm
24-01-24	25-01-24	80	30	8	BDL	Cloudy / Calm
NAAQS, 2009		100	60	80	80	

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


SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB 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
JAN'2024	10-01-24	52.1	51.6
JAN'2024	24-01-24	52.4	51.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
		20	20
JAN'2024	10-01-24	42.2	41.3
JAN'2024	24-01-24	41.6	40.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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JANUARY 2024




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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102
TEST REPORT NO.	RIN/TR/JAN-24/16	DATE OF ISSUE	24-02-24	
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:	16-01-24 TO 15-02-24		

UMRER MANAGER OFFICE UJUA1							
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	
09-01-24	10-01-24	238	132	38	12	10	Cloudy / calm
23-01-24	24-01-24	245	144	40	13	11	Cloudy / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR WORKSHOP UJUA2							
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	
09-01-24	10-01-24	254	151	46	13	11	Cloudy / calm
23-01-24	24-01-24	232	136	32	11	10	Cloudy / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE UJUA3							
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		
09-01-24	10-01-24	78	28	8	BDL	Cloudy / calm	
23-01-24	24-01-24	74	74	7	BDL	Cloudy / Calm	
NAAQS, 2009		100	60	80	80		

NEAR PUMP HOUSE COLONY UJUA4							
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		
09-01-24	10-01-24	72	22	7	BDL	Cloudy / calm	
23-01-24	24-01-24	76	26	8	BDL	Cloudy / Calm	
NAAQS, 2009		100	60	80	80		

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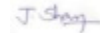
FUGITIVE DUST MONITORING


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-		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

WEIGH BRIDGE UUOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
23-01-24	24-01-24	410	288	Cloudy / calm

RAILWAY SIDING UUOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
23-01-24	24-01-24	390	265	Cloudy / calm

CHP UUOF3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
23-01-24	24-01-24	385	272	Cloudy / calm


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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 :	16-01-24 TO 15-02-24

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
09-01-24	8.3	18	32	BDL
23-01-24	8.13	20	36	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
09-01-24	8.24	22	36	BDL
23-01-24	8.31	24	40	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
09-01-24	20	11.8
23-01-24	22	12.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30


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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB 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	20
	JAN'2024	09-01-24	66.2
JAN'2024	22-01-24	65.8	64.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		JUON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
	JAN'2024	09-01-24	42.2
JAN'2024	22-01-24	42.5	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7182
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TEST REPORT NO.	RIN/TR/JAN-24/17	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
04-01-24	05-01-24	363	227	62	23	11	CLEAR / LIGHT BREEZE
18-01-24	19-01-24	334	208	57	21	10	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 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	
04-01-24	05-01-24	346	241	61	21	11	CLEAR / LIGHT BREEZE
18-01-24	19-01-24	367	228	58	20	10	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 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	
04-01-24	05-01-24	93	41	17	BDL	CLEAR / LIGHT BREEZE
18-01-24	19-01-24	84	34	16	BDL	CLEAR / 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	
04-01-24	05-01-24	87	32	17	BDL	CLEAR / LIGHT BREEZE
18-01-24	19-01-24	96	35	16	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-24 TO 15-02-24

CHP: WGOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
04-01-24	05-01-24	472	263	CLEAR / LIGHT BREEZE

RAILWAY SIDING: WGOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
04-01-24	05-01-24	484	276	CLEAR / LIGHT BREEZE



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NOISE LEVEL MONITORING DATA

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

CHP: WGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	03-01-24	65.8	64.5
JAN'24	18-01-24	67.3	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WGON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	03-01-24	45.0	44.2
JAN'24	18-01-24	45.4	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/JAN-24/18	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
03-01-24	04-01-24	347	233	63	23	11	CLEAR / LIGHT BREEZE
17-01-24	18-01-24	296	214	57	21	10	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 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	
07-01-24	08-01-24	289	191	59	21	10	CLOUDY / LIGHT BREEZE
20-01-24	21-01-24	312	214	61	23	12	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 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	
03-01-24	04-01-24	87	37	16	BDL	CLEAR / LIGHT BREEZE
17-01-24	18-01-24	94	43	17	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	
06-01-24	07-01-24	84	39	14	BDL	CLEAR / MODERATE BREEZE
07-01-24	08-01-24	81	37	17	BDL	CLEAR / LIGHT BREEZE
13-01-24	14-01-24	92	34	15	BDL	CLEAR / MODERATE BREEZE
14-01-24	15-01-24	81	38	14	BDL	CLEAR / LIGHT BREEZE
20-01-24	21-01-24	84	39	16	BDL	CLEAR / MODERATE BREEZE
21-01-24	22-01-24	76	34	16	BDL	CLEAR / LIGHT BREEZE
27-01-24	28-01-24	81	34	14	BDL	CLEAR / MODERATE BREEZE
28-01-24	29-01-24	74	39	15	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



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

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

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	
03-01-24	04-01-24	448	242	CLEAR / LIGHT BREEZE



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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 : 16-01-24 TO 15-02-24

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
04-01-24	8.16	34	36	BDL
17-01-24	8.01	46	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

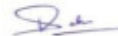
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRJANOCOL FOR AMBIENT NOISE MEASUREMENT, JAN-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: WKON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	03-01-24	53.6	52.2
JAN'24	18-01-24	54.5	53.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI): WKON2			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	03-01-24	44.5	43.2
JAN'24	18-01-24	44.6	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MUGOLI OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 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	
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TEST REPORT NO.	RIN/TR/JAN-24/19	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
07-01-24	08-01-24	342	231	59	23	18	CLOUDY / LIGHT BREEZE
22-01-24	23-01-24	308	197	61	21	12	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 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	
07-01-24	08-01-24	289	191	59	21	10	CLOUDY / LIGHT BREEZE
20-01-24	21-01-24	312	214	61	23	12	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 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		
06-01-24	07-01-24	84	39	14	BDL	CLEAR / MODERATE BREEZE	
07-01-24	08-01-24	81	37	17	BDL	CLEAR / LIGHT BREEZE	
13-01-24	14-01-24	92	34	15	BDL	CLEAR / MODERATE BREEZE	
14-01-24	15-01-24	81	38	14	BDL	CLEAR / LIGHT BREEZE	
20-01-24	21-01-24	84	39	16	BDL	CLEAR / MODERATE BREEZE	
21-01-24	22-01-24	76	34	16	BDL	CLEAR / LIGHT BREEZE	
27-01-24	28-01-24	81	34	14	BDL	CLEAR / MODERATE BREEZE	
28-01-24	29-01-24	74	39	15	BDL	CLEAR / LIGHT BREEZE	
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		
06-01-24	07-01-24	83	41	13	BDL	CLEAR / MODERATE BREEZE	
07-01-24	08-01-24	76	33	14	BDL	CLEAR / LIGHT BREEZE	
13-01-24	14-01-24	81	37	15	BDL	CLEAR / MODERATE BREEZE	
14-01-24	15-01-24	91	38	16	BDL	CLEAR / LIGHT BREEZE	
20-01-24	21-01-24	83	39	17	BDL	CLEAR / MODERATE BREEZE	
21-01-24	22-01-24	87	33	16	BDL	CLEAR / LIGHT BREEZE	
27-01-24	28-01-24	74	41	15	BDL	CLEAR / MODERATE BREEZE	
28-01-24	29-01-24	91	33	14	BDL	CLEAR / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

DATE(dd:mm:yy) OF SAMPLING		SECURITY CHECK POST	WMOF1	ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
07-01-24	08-01-24	434	218	CLOUDY / LIGHT BREEZE

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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 : 16-01-24 TO 15-02-24

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
04-01-24	7.81	40	28	BDL
20-01-24	7.13	44	36	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
04-01-24	7.54	34	36	BDL
20-01-24	7.40	40	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

CHP: WMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	03-01-24	65.6	64.5
JAN'24	18-01-24	65.4	64.5
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
JAN'24	03-01-24	44.5	43.2
JAN'24	18-01-24	44.6	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/JAN-24/20		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47 16-01-24 TO 15-02-24	

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	
14-01-24	15-01-24	341	218	61	22	11	CLOUDY / CALM
28-01-24	29-01-24	312	193	57	20	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 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	
08-01-24	09-01-24	337	233	63	23	11	CLEAR / LIGHT BREEZE
22-01-24	23-01-24	321	197	61	21	10	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 2000		600	300	60	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		
14-01-24	15-01-24	83	41	16	BDL	CLOUDY / CALM	
28-01-24	29-01-24	79	34	14	BDL	CLEAR / LIGHT BREEZE	
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		
14-01-24	15-01-24	84	34	14	BDL	CLOUDY / CALM	
28-01-24	29-01-24	89	41	16	BDL	CLEAR / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

WEIGHT BRIDGE WNGOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
14-01-24	15-01-24	468	233	CLOUDY / CALM




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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-01-24 TO 15-02-24

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
14-01-24	7.19	46	32	BDL
28-01-24	7.73	58	36	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
14-01-24	7.98	34	28	BDL
28-01-24	8.09	40	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 PRJANOCOL FOR AMBIENT NOISE MEASUREMENT, JAN-2015
SAMPLING METHOD	LSOP 6

CHP: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	11-01-24	66.5	63.7
JAN'24	25-01-24	65.6	64.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	03-01-24	45.0	44.2
JAN'24	18-01-24	45.4	44.3
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/JAN-24/21	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
08-01-24	09-01-24	337	217	64	23	11	CLEAR / LIGHT BREEZE
22-01-24	23-01-24	348	234	61	21	10	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 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	
08-01-24	09-01-24	337	233	63	23	11	CLEAR / LIGHT BREEZE
22-01-24	23-01-24	321	197	61	21	10	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH JANember 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	
06-01-24	07-01-24	88	34	15	BDL	CLEAR / MODERATE
07-01-24	08-01-24	74	39	13	BDL	CLEAR / LIGHT BREEZE
13-01-24	14-01-24	81	41	16	BDL	CLEAR / MODERATE
14-01-24	15-01-24	83	43	17	BDL	CLEAR / LIGHT BREEZE
20-01-24	21-01-24	87	37	14	BDL	CLEAR / MODERATE
21-01-24	22-01-24	91	42	13	BDL	CLEAR / LIGHT BREEZE
27-01-24	28-01-24	88	37	15	BDL	CLEAR / MODERATE
28-01-24	29-01-24	74	36	16	BDL	CLEAR / LIGHT BREEZE
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 5	PM _{2.5} 2	NO ₂ 6	SO ₂ 10	
FROM	TO					
06-01-24	07-01-24	91	33	16	BDL	CLEAR / MODERATE
07-01-24	08-01-24	83	37	15	BDL	CLEAR / LIGHT BREEZE
13-01-24	14-01-24	88	34	14	BDL	CLEAR / MODERATE
14-01-24	15-01-24	87	38	13	BDL	CLEAR / LIGHT BREEZE
20-01-24	21-01-24	88	39	16	BDL	CLEAR / MODERATE
21-01-24	22-01-24	78	41	17	BDL	CLEAR / LIGHT BREEZE
27-01-24	28-01-24	73	37	14	BDL	CLEAR / MODERATE
28-01-24	29-01-24	86	38	15	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING


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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

DATE(dd:mm:yy) OF SAMPLING		WEIGHT BRIDGE WNOF1		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
06-01-24	07-01-24	469	276	CLEAR / MODERATE

DATE(dd:mm:yy) OF SAMPLING		CHP WNOF2		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
06-01-24	07-01-24	456	283	CLEAR / MODERATE



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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 : 16-01-24 TO 15-02-24

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
04-01-24	7.67	42	36	BDL
21-01-24	7.28	48	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(NILJAI-S)TREATED WATER: WNOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-01-24	7.58	38	36	BDL
21-01-24	8.07	40	44	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
04-01-24	68	10.8
21-01-24	72	12
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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NOISE LEVEL MONITORING DATA

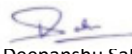
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRJANOCOL FOR AMBIENT NOISE MEASUREMENT, JAN-2015
SAMPLING METHOD	LSOP 6

CHP-NILJAI: WNON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	67.4	65.1
JAN'24	25-01-24	67.1	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP-NILJAI(S): WNON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'23	11-01-24	68.3	66.2
JAN'23	25-01-24	68.4	66.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(NILJAI): WNON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'23	11-01-24	45.1	43.3
JAN'23	25-01-24	44.5	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


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ENVIRONMENTAL MONITORING REPORT

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JOB NO. 4094423068



JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/JAN-24/23	DATE OF ISSUE	24-02-24		
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:			16-01-24 TO 15-02-24	

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	
08-01-24	09-01-24	312	198	63	21	11	CLEAR / LIGHT BREEZE
20-01-24	21-01-24	334	217	59	23	12	CLEAR / MODERATE BRREEZE
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	
08-01-24	09-01-24	293	196	61	20	12	CLEAR / LIGHT BREEZE
20-01-24	21-01-24	317	208	64	22	13	CLEAR / MODERATE BRREEZE
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		
06-01-24	07-01-24	83	41	15	BDL	CLEAR / MODERATE BRREEZE	
07-01-24	08-01-24	81	39	14	BDL	CLEAR / LIGHT BREEZE	
13-01-24	14-01-24	76	42	17	BDL	CLEAR / MODERATE BRREEZE	
14-01-24	15-01-24	83	38	16	BDL	CLEAR / LIGHT BREEZE	
20-01-24	21-01-24	91	41	15	BDL	CLEAR / MODERATE BRREEZE	
21-01-24	22-01-24	83	34	14	BDL	CLEAR / LIGHT BREEZE	
27-01-24	28-01-24	76	37	15	BDL	CLEAR / MODERATE BRREEZE	
28-01-24	29-01-24	78	36	17	BDL	CLEAR / LIGHT BREEZE	
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		
06-01-24	07-01-24	81	39	14	BDL	CLEAR / MODERATE BRREEZE	
07-01-24	08-01-24	79	33	15	BDL	CLEAR / LIGHT BREEZE	
13-01-24	14-01-24	78	41	13	BDL	CLEAR / MODERATE BRREEZE	
14-01-24	15-01-24	76	33	14	BDL	CLEAR / LIGHT BREEZE	
20-01-24	21-01-24	81	36	15	BDL	CLEAR / MODERATE BRREEZE	
21-01-24	22-01-24	79	31	16	BDL	CLEAR / LIGHT BREEZE	
27-01-24	28-01-24	83	41	17	BDL	CLEAR / MODERATE BRREEZE	
28-01-24	29-01-24	84	36	15	BDL	CLEAR / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

KARGIL SECURITY CHECK POST		WPOF1		ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
06-01-24	07-01-24	452	238	CLEAR / MODERATE BRZEZE



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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 :	16-01-24 TO 15-02-24

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
04-01-24	7.79	44	40	BDL
20-01-24	7.97	46	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

NEAR WORKSHOP: WPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	03-01-24	58.5	57.3
JAN'24	18-01-24	56.3	55.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/JAN-24/23	DATE OF ISSUE	24-02-24		
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:			16-01-24 TO 15-02-24	

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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-01-24	11-01-24	289	218	44	17	12	CLEAR / CALM
23-01-24	24-01-24	339	242	37	19	17	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-01-24	11-01-24	341	257	37	16	12	CLEAR / CALM
24-01-24	25-01-24	352	269	46	18	12	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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
10-01-24	11-01-24	91	29	10	BDL	CLEAR / CALM	
24-01-24	25-01-24	78	21	8	BDL	CLOUDY / 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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
10-01-24	11-01-24	78	30	10	BDL	CLEAR / CALM	
24-01-24	25-01-24	86	25	8	BDL	CLOUDY / CALM	
NAAQS, 2009		100	60	80	80		

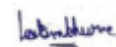


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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 : 16-01-24 TO 15-02-24

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
10-01-24	8.15	48	56	BDL
24-01-24	8.12	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

MANAGER OFFICE: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	12-01-24	54.3	53.4
JAN'24	28-01-24	54.5	54.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (GHONSA) WNGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	12-01-24	43.6	42.3
JAN'24	28-01-24	43.7	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/24	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

SAM OFFICE WNJOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-01-24	13-01-24	312	224	32	15	12	CLEAR / CALM
26-01-24	27-01-24	343	255	44	16	13	CLOUDY / CALM
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)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
12-01-24	13-01-24	78	26	8	BDL		CLEAR / CALM
26-01-24	27-01-24	96	30	10	BDL		CLOUDY / CALM
NAAQS, 2009		100	60	80	80		

BHALAR TOWNSHIP WNJOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
13-01-24	14-01-24	88	22	9	BDL		CLEAR / CALM
27-01-24	28-01-24	97	28	8	BDL		CLOUDY / CALM
NAAQS, 2009		100	60	80	80		

UKNI VILLAGE WNJOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
13-01-24	14-01-24	93	24	10	BDL		CLEAR / CALM
27-01-24	28-01-24	76	30	8	BDL		CLOUDY / CALM
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

DATE(dd:mm:yy) OF SAMPLING		SECURITY POST WOF1		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
12-01-24	13-01-24	5	5	
		399	293	CLEAR / CALM

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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 : 16-01-24 TO 15-02-24			

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
12-01-24	7.90	44	48	BDL
26-01-24	7.98	56	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNJOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-24	7.97	28	40	BDL
26-01-24	8.01	36	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: WNJON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	53.2	52.4
JAN'24	28-01-24	53.3	52.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNJON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	45.2	43.4
JAN'24	28-01-24	45.1	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7182
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TEST REPORT NO.	RIN/TR/JAN-24/25	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

SUBSTATION KOLARPIMPRI WNKOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-01-24	03-01-24	351	267	48	19	16	CLEAR / CALM
19-01-24	20-01-24	379	283	40	17	12	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

REST SHELTER WNKOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-01-24	03-01-24	340	254	42	18	12	CLEAR / CALM
19-01-24	20-01-24	363	277	49	19	16	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

PIMPRI VILLAGE WNKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-01-24	05-01-24	77	18	7	BDL	CLEAR / CALM	
05-01-24	06-01-24	82	20	9	BDL	CLEAR / CALM	
11-01-24	12-01-24	96	19	10	BDL	CLEAR / CALM	
12-01-24	13-01-24	94	26	8	BDL	CLEAR / CALM	
18-01-24	19-01-24	83	22	9	BDL	CLEAR / MODERATE BREEZE	
19-01-24	20-01-24	75	27	10	BDL	CLOUDY / LIGHT BREEZE	
25-01-24	26-01-24	90	25	7	BDL	CLOUDY / MODERATE BREEZE	
26-01-24	27-01-24	99	20	10	BDL	CLOUDY / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

WATER FILTER PLANT PRAGATI NAGAR WNKOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-01-24	05-01-24	92	22	10	BDL	CLEAR / CALM	
05-01-24	06-01-24	87	27	9	BDL	CLEAR / CALM	
11-01-24	12-01-24	73	19	8	BDL	CLEAR / CALM	
12-01-24	13-01-24	98	25	10	BDL	CLEAR / CALM	
18-01-24	19-01-24	81	28	9	BDL	CLEAR / MODERATE BREEZE	
19-01-24	20-01-24	93	21	10	BDL	CLOUDY / LIGHT BREEZE	
25-01-24	26-01-24	88	28	10	BDL	CLOUDY / MODERATE BREEZE	
26-01-24	27-01-24	71	30	7	BDL	CLOUDY / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		


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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

CHP WNKOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
04-01-24	05-01-24	469	345	CLEAR / CALM

WEIGH BRIDGE WNKOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
04-01-24	05-01-24	425	302	CLEAR / CALM



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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 : 16-01-24 TO 15-02-24

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
14-01-24	7.62	40	44	BDL
26-01-24	7.66	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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015
SAMPLING METHOD	LSOP 6

CHP: WNKON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	67.3	65.1
JAN'24	25-01-24	67.5	65.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	11-01-24	44.5	42.3
JAN'24	25-01-24	45.4	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PIMPALGAON OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



JANUARY 2024

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/27	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

SAM OFFICE WNPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-01-24	12-01-24	308	239	33	18	12	CLOUDY / LIGHT BREEZE
25-01-24	26-01-24	344	252	48	19	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 $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-01-24	12-01-24	352	267	40	19	15	CLOUDY / LIGHT BREEZE
25-01-24	26-01-24	373	283	49	17	13	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

WATER FILTER PLANT PRAGATI NAGAR WNKO4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04-01-24	05-01-24	92	22	10	BDL		CLEAR / CALM
05-01-24	06-01-24	87	27	9	BDL		CLEAR / CALM
11-01-24	12-01-24	73	19	8	BDL		CLEAR / CALM
12-01-24	13-01-24	98	25	10	BDL		CLEAR / CALM
18-01-24	19-01-24	81	28	9	BDL		CLEAR / MODERATE BREEZE
19-01-24	20-01-24	93	21	10	BDL		CLOUDY / LIGHT BREEZE
25-01-24	26-01-24	88	28	10	BDL		CLOUDY / MODERATE BREEZE
26-01-24	27-01-24	71	30	7	BDL		CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

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		
12-01-24	13-01-24	78	26	8	BDL		CLOUDY / CALM
26-01-24	27-01-24	96	30	10	BDL		CLOUDY / CALM
NAAQS, 2009		100	60	80	80		

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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

WEIGH BRIDGE WNPOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	CLEAR / CALM
11-01-24	12-01-24	392	289	

CHP WNPOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	CLEAR / CALM
11-01-24	12-01-24	410	309	




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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 :	16-01-24 TO 15-02-24

MINE WATER DISCHARGE: WNPOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-01-24	8.08	38	44	BDL
25-01-24	7.95	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA


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

CHP: WNPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	11-01-24	65.4	63.4
JAN'24	25-01-24	66.4	64.5
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
JAN'24	11-01-24	44.5	42.3
JAN'24	25-01-24	45.4	42.5
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



JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/28	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
07-01-24	08-01-24	357	265	48	18	15	CLEAR / CALM
21-01-24	22-01-24	369	278	55	17	15	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	
07-01-24	08-01-24	331	247	41	16	12	CLEAR / CALM
21-01-24	22-01-24	330	262	49	18	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	
10-01-24	11-01-24	289	218	44	17	12	CLEAR / CALM
21-01-24	22-01-24	301	215	42	15	12	CLOUDY/ CALM
NAAQS, 2009		100	60	80	80	80	

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	
07-01-24	08-01-24	89	25	9	BDL	CLEAR / CALM
21-01-24	22-01-24	93	29	10	BDL	CLOUDY/ CALM
NAAQS, 2009		100	60	80	80	

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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE		ENVIRONMENT CONDITIONS (Sky/Wind)
		WNUF1		
PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	
07-01-24	08-01-24	452	341	CLEAR / CALM

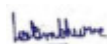
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-24 TO 15-02-24

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
07-01-24	8.26	38	44	BDL
21-01-24	8.16	42	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-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
JAN'24	12-01-24	60.7	59.5
JAN'24	28-01-24	61.3	60.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
JAN'24	12-01-24	45.4	44.0
JAN'24	28-01-24	45.4	44.3
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/JAN-24/29	DATE OF ISSUE		24-02-24
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:			16-01-24 TO 15-02-24

WORKSHOP PREMISES WNUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
13-01-24	14-01-24	330	234	32	15	11	CLEAR / CALM
27-01-24	28-01-24	355	257	39	17	12	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 $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
13-01-24	14-01-24	88	22	9	BDL	CLEAR / CALM
27-01-24	28-01-24	97	28	8	BDL	CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

UKNI VILLAGE WNUOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
13-01-24	14-01-24	93	24	10	BDL	CLEAR / CALM
27-01-24	28-01-24	76	30	8	BDL	CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

PIMPRI VILLAGE WNKOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04-01-24	05-01-24	77	18	7	BDL	CLEAR / MODERATE BREEZE
05-01-24	06-01-24	82	20	9	BDL	CLEAR / LIGHT BREEZE
11-01-24	12-01-24	96	19	10	BDL	CLEAR / CALM
12-01-24	13-01-24	94	26	8	BDL	CLEAR / CALM
18-01-24	19-01-24	83	22	9	BDL	CLOUDY/ MODERATE BREEZE
19-01-24	20-01-24	75	27	10	BDL	CLOUDY / LIGHT BREEZE
25-01-24	26-01-24	90	25	7	BDL	CLOUDY/ MODERATE BREEZE
26-01-24	27-01-24	99	20	10	BDL	CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING


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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-24 TO 15-02-24

WEIGH BRIDGE WNUOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
13-01-24	14-01-24	452	347	CLEAR / CALM

CHP WNOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
13-01-24	14-01-24	462	350	CLEAR / CALM



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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 4): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :			16-01-24 TO 15-02-24

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
13-01-24	7.32	44	48	BDL
27-01-24	7.52	38	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-01-24	7.87	26	40	BDL
27-01-24	7.90	28	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP DISCHARGE: WNUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
13-01-24	24	12
27-01-24	26	14
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30


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

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

CHP: WNUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	11-01-24	68.4	66.3
JAN'24	25-01-24	68.4	66.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNUON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	11-01-24	45.2	43.4
JAN'24	25-01-24	45.1	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

WANI RAILWAY SIDING

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



JANUARY 2024

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/30	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
04-01-24	05-01-24	5	5	2	6	10	CLEAR / CALM
05-01-24	06-01-24	212	187	38	12	BDL	CLEAR / CALM
11-01-24	12-01-24	177	145	30	13	BDL	CLEAR / CALM
12-01-24	13-01-24	159	133	24	11	BDL	CLEAR / CALM
18-01-24	19-01-24	201	143	32	12	BDL	CLEAR / MODERATE BREEZE
19-01-24	20-01-24	192	159	31	13	BDL	CLOUDY / LIGHT BREEZE
25-01-24	26-01-24	203	167	38	11	BDL	CLOUDY / MODERATE BREEZE
26-01-24	27-01-24	182	155	36	12	BDL	CLOUDY / LIGHT BREEZE
TLV		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	
04-01-24	05-01-24	74	94	9	BDL	CLEAR / CALM
05-01-24	06-01-24	82	19	8	BDL	CLEAR / CALM
11-01-24	12-01-24	89	27	7	BDL	CLEAR / CALM
12-01-24	13-01-24	94	24	10	BDL	CLEAR / CALM
18-01-24	19-01-24	89	20	10	BDL	CLEAR / MODERATE BREEZE
19-01-24	20-01-24	93	28	9	BDL	CLOUDY / LIGHT BREEZE
25-01-24	26-01-24	99	21	9	BDL	CLOUDY / MODERATE BREEZE
26-01-24	27-01-24	77	28	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	
04-01-24	05-01-24	83	24	10	BDL	CLEAR / CALM
05-01-24	06-01-24	96	20	10	BDL	CLEAR / CALM
11-01-24	12-01-24	79	29	9	BDL	CLEAR / CALM
12-01-24	13-01-24	99	25	10	BDL	CLEAR / CALM
18-01-24	19-01-24	70	26	8	BDL	CLEAR / MODERATE BREEZE
19-01-24	20-01-24	82	18	9	BDL	CLOUDY / LIGHT BREEZE
25-01-24	26-01-24	92	25	10	BDL	CLOUDY / MODERATE BREEZE
26-01-24	27-01-24	81	28	8	BDL	CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

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	
11-01-24	12-01-24	440	329	CLEAR / CALM

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NOISE LEVEL MONITORING DATA

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

Residential Area Near Railway siding: WNRSN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	11-01-24	45.4	43.5
JAN'24	25-01-24	45.1	44.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NEAR INCHARGE OFFICE: WNRSN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	11-01-24	56.7	54.4
JAN'24	25-01-24	58.4	56.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

AMBARA OC

KANHAN AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



JANUARY 2024

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TEST REPORT NO.	RIN/TR/JAN-24/67	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24


MANAGER OFFICE KAOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-01-24	05-01-24	5	5	2	6	10	Cloudy/Light breeze
28-01-24	29-01-24	245	142	40	13	11	
		236	137	38	12	10	Cloudy/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE- MOHAN KAU2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-01-24	04-01-24	5	5	2	6	10	Cloudy/Light breeze
28-01-24	29-01-24	248	144	42	13	11	
		239	136	38	12	10	Cloudy/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER KMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-01-24	05-01-24	5	2	6	10	Cloudy/Light breeze	
29-01-24	30-01-24	74	24	6	BDL		
		78	26	7	BDL	Cloudy/ Light breeze	
NAAQS, 2009		100	60	80	80		

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-01-24	05-01-24	5	2	6	10	Cloudy/Light breeze	
29-01-24	30-01-24	72	22	6	BDL		
		76	28	7	BDL	Cloudy/ Light breeze	
NAAQS, 2009		100	60	80	80		


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NOISE LEVEL MONITORING DATA

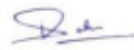
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: KAON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	05-01-24	44.5	43.2
JAN'24	28-01-24	44.6	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN/MAORI): KMUN2			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	05-01-24	43.7	42.6
JAN'24	28-01-24	43.4	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

AREA WORKSHOP

KANHAN AREA

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JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-24/69	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
05-01-24	06-01-24	239	138	36	12	10	Cloudy / Light breeze
21-01-24	22-01-24	245	140	40	13	11	Cloudy / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

J. Shetty

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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

WORK SHOP PREMISES:		KAWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	06-01-24	51.6	50.2
JAN'24	21-01-24	50.6	49.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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TEST REPORT NO.	RIN/TR/JAN-24/70	DATE OF ISSUE	24-02-24		
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:			16-01-24 TO 15-02-24	

MANAGER OFFICE-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	
		5	5	2	6	10	
04-01-24	05-01-24	243	144	43	13	12	Cloudy/ Light breeze
25-01-24	26-01-24	238	136	38	12	10	Cloudy/ Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI KJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
05-01-24	06-01-24	238	136	38	11	10	Cloudy/ Light breeze
24-01-24	25-01-24	245	148	42	12	11	Cloudy/ Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA KJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
05-01-24	06-01-24	72	22	6	BDL	Cloudy/ Light breeze	
24-01-24	25-01-24	74	24	7	BDL	Cloudy/ Light breeze	
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		
		5	2	6	10		
06-01-24	07-01-24	76	26	6	BDL	Cloudy/ Light breeze	
25-01-24	26-01-24	78	28	7	BDL	Cloudy/ Light breeze	
NAAQS, 2009		100	60	80	80		

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

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE KAUF1		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
25-01-24	26-01-24	410	288	Cloudy/Light breeze

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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 :	16-01-24 TO 15-02-24

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
06-01-24	7.64	16	26	BDL
23-01-24	7.58	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

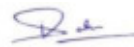
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		KGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	05-01-24	43.6	42.4
JAN'24	24-01-24	44.5	43.2
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
JAN'24	05-01-24	43.4	42.5
JAN'24	24-01-24	43.6	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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JHARNA / GHORAWARI UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/71	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
06-01-24	07-01-24	254	148	46	12	10	Cloudy/ Light breeze
25-01-24	26-01-24	262	155	52	13	11	Cloudy/ 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	
05-01-24	06-01-24	238	136	38	11	10	Cloudy/ Light breeze
24-01-24	25-01-24	245	148	42	12	11	Cloudy/ 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	
05-01-24	06-01-24	72	22	6	BDL	Cloudy/ Light breeze
24-01-24	25-01-24	74	24	7	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	
06-01-24	07-01-24	76	26	6	BDL	Cloudy/ Light breeze
25-01-24	26-01-24	78	28	7	BDL	Cloudy/ Light breeze
NAAQS, 2009		100	60	80	80	



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

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

FAN HOUSE:		KJUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'24	05-01-24	43.6	42.7
JAN'24	24-01-24	43.7	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		KJUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'24	05-01-24	43.4	42.5
JAN'24	24-01-24	43.6	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/JAN-24/72	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
03-01-24	04-01-24	250	153	46	13	11	Cloudy/ Light breeze
27-01-24	28-01-24	244	146	40	12	10	Cloudy/ 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	
04-01-24	05-01-24	245	142	40	13	11	Cloudy/Light breeze
28-01-24	29-01-24	236	137	38	12	10	Cloudy/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	
04-01-24	05-01-24	74	24	6	BDL	Cloudy/Light breeze
29-01-24	30-01-24	78	26	7	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	
04-01-24	05-01-24	72	22	6	BDL	Cloudy/Light breeze
29-01-24	30-01-24	76	28	7	BDL	Cloudy/ Light breeze
NAAQS, 2009		100	60	80	80	

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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

MANAGER OFFICE CHP KAUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
28-01-24	29-01-24	390	285	Cloudy/Light breeze

PALACHURI KAUF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
28-01-24	29-01-24	385	278	Cloudy/Light breeze



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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:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	05-01-24	68.6	67.7
JAN'24	28-01-24	68.7	67.7
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
JAN'24	05-01-24	43.7	42.6
JAN'24	28-01-24	43.4	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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TEST REPORT NO.	RIN/TR/JAN-24/73	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

SAM OFFICE- NANDAN I UG KNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-24	07-01-24	228	125	38	11	10	Cloudy/Light breeze
25-01-24	26-01-24	239	136	44	12	11	Cloudy/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE NANADAN II UG KNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-24	06-01-24	245	142	42	12	10	Cloudy/Light breeze
24-01-24	25-01-24	249	148	46	13	11	Cloudy/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HEALTH CENTER-NANADAN UG KNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-01-24	07-01-24	72	22	7	BDL	Cloudy/Light breeze	
25-01-24	26-01-24	76	26	8	BDL	Cloudy/Light breeze	
NAAQS, 2009		100	60	80	80		

NANDAN WATER FILTER PLANT KNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05-01-24	06-01-24	74	24	6	BDL	Cloudy/Light breeze	
24-01-24	25-01-24	78	28	7	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 : 16-01-24 TO 15-02-24

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
06-01-24	8.12	18	28	BDL
23-01-24	7.81	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, 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
	JAN'24	07-01-24	68.7
JAN'24	21-04-21	67.7	66.7
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
	JAN'24	07-01-24	43.6
JAN'24	21-04-21	43.6	
NOISE POLLUTION (REGULATION AND CONTROL) RULES		42.5	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/JAN-24/74a	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
03-01-24	04-01-24	248	145	42	13	10	Cloudy/Light breeze
27-01-24	28-01-24	251	152	44	14	11	Cloudy/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

UMARIA FADALI VILLAGE KSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-01-24	04-01-24	78	26	6	BDL	Cloudy/Light breeze	
27-01-24	28-01-24	82	28	7	BDL	Cloudy/Light breeze	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		100	60	80	80		

TATARWADA VILLAGE KSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-01-24	04-01-24	74	24	6	BDL	Cloudy/Light breeze	
27-01-24	28-01-24	76	26	7	BDL	Cloudy/Light breeze	
NAAQS, 2009		100	60	80	80		

JAMUNBADA DARBAR VILLAGE KSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-01-24	04-01-24	72	22	6	BDL	Cloudy/Light breeze	
27-01-24	28-01-24	84	32	7	BDL	Cloudy/Light breeze	
NAAQS, 2009		100	60	80	80		


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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE KSUF1		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
28-01-24	29-01-24	345	238	Cloudy/Light breeze


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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		
SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(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 : 16-01-24 TO 15-02-24		

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
04-01-24	8.3	28	36	BDL
23-01-24	8.1	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 Reportt	
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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		KSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
JAN'24	04-01-24	52.6	51.5
JAN'24	27-01-24	52.6	51.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

UMARIA FADALI VILLAGE		KSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
JAN'24	04-01-24	42.7	42.2
JAN'24	27-01-24	43.5	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
			20
JAN'24	04-01-24	43.4	42.4
JAN'24	27-01-24	43.4	42.4
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



JANUARY 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/JAN-24/74	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

WORKSHOP KTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-01-24	08-01-24	226	132	32	11	10	Cloudy/Light breeze
21-01-24	22-01-24	237	138	36	12	11	Clear/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

LAMP ROOM KTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-01-24	08-01-24	242	140	34	12	11	Cloudy/Light breeze
21-01-24	22-01-24	230	136	32	11	10	Clear/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY NEAR HEALTH CENTER KTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07-01-24	08-01-24	72	26	6	BDL	Cloudy/Light breeze	
21-01-24	22-01-24	76	32	7	BDL	Clear/Light breeze	
NAAQS, 2009		100	60	80	80		

JET HOSTEL KTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07-01-24	08-01-24	74	28	7	BDL	Cloudy/Light breeze	
21-01-24	22-01-24	84	34	8	BDL	Clear/Light breeze	
NAAQS, 2009		100	60	80	80		

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-01-24 TO 15-02-24

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
07-01-24	8.18	16	26	BDL
21-01-24	8.08	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:		KTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
JAN'24	07-01-24	69.7	68.6
JAN'24	21-01-24	69.6	68.4
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
JAN'24	07-01-24	43.5	42.2
JAN'24	21-01-24	43.7	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

CHATTARPUR I & II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067




JANUARY 2024



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/JAN-24/75	DATE OF ISSUE	24-02-24
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:	16-01-24 TO 15-02-24	

SUBSTATION- CHATTARPUR I UG		PKCUA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11-01-24	12-01-24	322	209	59	21	11	CLOUDY / LIGHT BREEZE
18-01-24	19-01-24	347	216	64	22	12	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	


SAM OFFICE		PKCUA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
10-01-24	11-01-24	316	189	63	21	11	CLOUDY / LIGHT BREEZE
17-01-24	18-01-24	293	206	61	23	10	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SUBSTATION-CHATTARPUR II UG		PKCUA3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11-01-24	12-01-24	297	189	61	19	BDL	CLOUDY / LIGHT BREEZE
18-01-24	19-01-24	321	206	64	21	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

CHATTARPUR VILLAGE		PKCUA4				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	
10-01-24	11-01-24	91	36	13	BDL	CLOUDY / LIGHT BREEZE
17-01-24	18-01-24	86	41	16	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



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FUGITIVE DUST MONITORING


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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-24 TO 15-02-24

COAL STOCK BUNKER -I PCHUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
10-01-24	11-01-24	438	237	CLOUDY / LIGHT BREEZE

COAL STOCK BUNKER -II PCHUF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
10-01-24	11-01-24	458	257	CLOUDY / LIGHT BREEZE



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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 :	16-01-24 TO 15-02-24

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)
DETECTION LIMIT	2	10	4	2
11-01-24	7.99	34	36	BDL
18-01-24	8.22	46	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE II UG: PKCUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-01-24	8.00	38	40	BDL
18-01-24	8.24	34	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

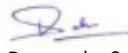
FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'24	11-01-24	79.7	78.5
JAN'24	18-01-24	69.7	68.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-II UG:		PKCUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'24	11-01-24	78.7	77.8
JAN'24	18-01-24	68.8	67.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		PKCUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'24	11-01-24	44.2	43.4
JAN'24	18-01-24	44.6	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

SARNI UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.	RIN/TR/JAN-24/76	DATE OF ISSUE	24-02-24		
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:			16-01-24 TO 15-02-24	

SUBSTATION SARNI UG PKSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-01-24	14-01-24	318	189	59	21	11	CLOUDY / LIGHT BREEZE
18-01-24	19-01-24	293	210	63	23	10	CLEAR / LIGHT BRIDGE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

NEAR DY. CME 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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-01-24	13-01-24	322	197	63	21	BDL	CLOUDY / LIGHT BREEZE
20-01-24	21-01-24	293	208	59	23	12	CLEAR / LIGHT BRIDGE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

GM OFFICE ENTRANCE GATE 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		
13-01-24	14-01-24	83	36	17	BDL	CLEAR / LIGHT BREEZE	
18-01-24	19-01-24	93	41	15	BDL	CLEAR / LIGHT BRIDGE	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80		

PATHAKHERA COLONY PKSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
11-01-24	12-01-24	93	33	17	BDL	CLOUDY / LIGHT BREEZE	
17-01-24	18-01-24	87	32	16	BDL	CLEAR / LIGHT BRIDGE	
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 : 16-01-24 TO 15-02-24

MINE WATER DISCHARGE: PKSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-01-24	7.80	42	32	BDL
20-01-24	7.99	38	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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


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

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	12-01-24	69.2	68.5
JAN'24	19-01-24	69.6	68.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SARNI):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	12-01-24	43.7	42.6
JAN'24	19-01-24	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

SHOBHAPUR UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/JAN-24/77	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
11-01-24	12-01-24	318	193	59	21	BDL	CLOUDY/ LIGHT BREEZE
17-01-24	18-01-24	293	189	63	22	BDL	CLEAR / LIGHT BREEZE
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	
10-01-24	11-01-24	317	193	61	19	BDL	CLOUDY/ LIGHT BREEZE
18-01-24	19-01-24	304	182	58	21	BDL	CLEAR / LIGHT BREEZE
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	
12-01-24	13-01-24	84	34	15	BDL	CLEAR / LIGHT BREEZE
17-01-24	18-01-24	93	42	16	BDL	CLEAR / 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	
10-01-24	11-01-24	86	34	16	BDL	CLEAR / LIGHT BREEZE
19-01-24	20-01-24	91	43	15	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



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

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

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	11-01-24	44.6	43.5
JAN'24	18-01-24	43.7	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SHOBHAPUR):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	11-01-24	43.7	43.2
JAN'24	18-01-24	44.2	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

TAWA-II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



JANUARY 2024

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-24/78	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

MANAGER OFFICE- TAWA 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	
12-01-24	13-01-24	341	197	57	20	BDL	CLOUDY / LIGHT BREEZE
19-01-24	20-01-24	322	203	62	22	BDL	CLOUDY / LIGHT BREEZE
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	
12-01-24	13-01-24	328	207	56	21	10	CLOUDY / LIGHT BREEZE
19-01-24	20-01-24	297	201	61	23	11	CLOUDY / LIGHT BREEZE
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		
13-01-24	14-01-24	93	42	15	BDL	CLOUDY / LIGHT BREEZE	
20-01-24	21-01-24	87	36	14	BDL	CLOUDY / LIGHT BREEZE	
NAAQS, 2009		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		
12-01-24	13-01-24	91	39	16	BDL	CLOUDY / LIGHT BREEZE	
19-01-24	20-01-24	83	33	14	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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FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

NEAR COAL STOCK BUNKER PKTII				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
13-01-24	14-01-24	498	243	CLOUDY / LIGHT BREEZE



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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 : 16-01-24 TO 15-02-24

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
13-01-24	8.29	40	28	BDL
19-01-24	8.03	34	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE:		PKTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
JAN'24	12-01-24	69.5	68.6
JAN'24	19-01-24	68.7	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

TAWA UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/JAN-24/79	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
12-01-24	13-01-24	328	207	56	21	10	CLOUDY / LIGHT BREEZE
19-01-24	20-01-24	297	201	61	23	11	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-01-24	13-01-24	341	197	57	20	BDL	CLOUDY / LIGHT BREEZE
19-01-24	20-01-24	322	203	62	22	BDL	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-01-24	14-01-24	93	42	15	BDL	CLOUDY / LIGHT BREEZE
20-01-24	21-01-24	87	36	14	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	
12-01-24	13-01-24	91	39	16	BDL	CLOUDY / LIGHT BREEZE
19-01-24	20-01-24	83	33	14	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 :	16-01-24 TO 15-02-24

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
13-01-24	8.06	38	32	BDL
19-01-24	7.99	42	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE: PKTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	12-01-24	68.7	68.3
JAN'24	19-01-24	69.8	68.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(TAWA): PKTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	12-01-24	43.6	42.7
JAN'24	19-01-24	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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PENCH AREA

WESTERN COALFIELDS LTD.


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JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/JAN-24/54	DATE OF ISSUE	24-02-24		
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:			16-01-23 TO 15-02-24	

MANAGER OFFICE PBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly 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	
13-01-24	14-01-24	349	265	37	18	12	CLEAR SKY / CALM
25-01-24	26-01-24	390	292	49	15	12	CLEAR SKY / CALM
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 $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
13-01-24	14-01-24	324	237	54	15	11	CLEAR SKY / CALM
25-01-24	26-01-24	358	266	46	17	12	CLEAR SKY / CALM
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 $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
13-01-24	14-01-24	372	281	41	16	12	CLEAR SKY / CALM
25-01-24	26-01-24	352	264	48	18	15	CLEAR SKY / CALM
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 $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
13-01-24	14-01-24	85	25	10	BDL	CLEAR SKY / CALM	
25-01-24	26-01-24	93	20	8	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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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

WEIGH BRIDGE PBOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
25-01-24	26-01-24	458	341	CLEAR SKY / CALM

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-01-24 TO 15-02-24

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
12-01-24	8.41	18	28	BDL
25-01-24	8.37	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, NOV-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
JAN'24	10-01-24	44.3	43.1
JAN'24	22-01-24	43.8	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

CHANDAMETA WORKSHOP

PENCH AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/JAN-24/55	DATE OF ISSUE	24-01-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-23 TO 15-01-24

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	
13-01-24	14-01-24	372	281	41	16	12	CLEAR SKY / CALM
25-01-24	26-01-24	352	264	48	18	15	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	




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

ETP DISCHARGE: PCWW1		ANALYSIS RESULTS			
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)	
	DETECTION LIMIT	2	10	4	2
12-01-24	8.33	22	36	BDL	
25-01-24	8.42	24	32	BDL	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10	

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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-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
JAN'24	10-01-24	45.8	43.8
JAN'24	22-01-24	45.4	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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JANUARY 2024



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/JAN-24/56	DATE OF ISSUE	24-01-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-23 TO 15-01-24

SAM OFFICE PCOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-01-24	13-01-24	345	251	49	17	15	CLEAR SKY / CALM
24-01-24	25-01-24	379	285	54	19	15	CLEAR SKY / CALM
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 $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-01-24	12-01-24	337	269	43	15	11	CLEAR SKY / CALM
24-01-24	25-01-24	383	289	49	17	12	CLEAR SKY / CALM
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 $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
12-01-24	13-01-24	91	28	9	BDL	CLEAR SKY / CALM	
24-01-24	25-01-24	83	21	10	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

CHINDA COLONY PNSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
11-01-24	12-01-24	75	20	8	BDL	CLEAR SKY / CALM	
23-01-24	24-01-24	89	25	10	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		



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

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
10-01-24	8.02	28	36	BDL
24-01-24	8.07	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, NOV-2015
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PCON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	10-01-24	46.6	44.8
JAN'24	22-01-24	46.3	45.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	10-01-24	44.4	43.4
JAN'24	22-01-24	44.6	43.8
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



JANUARY 2024

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


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-24	06-01-24	87	26	9	BDL	CLEAR SKY / CALM
17-01-24	18-01-24	93	30	10	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	
05-01-24	06-01-24	93	19	8	BDL	CLEAR SKY / CALM
17-01-24	18-01-24	81	24	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	
05-01-24	06-01-24	78	26	10	BDL	CLEAR SKY / CALM
17-01-24	18-01-24	89	20	7	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	
05-01-24	06-01-24	91	28	9	BDL	CLEAR SKY / CALM
17-01-24	18-01-24	78	21	8	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-01-24	06-01-24	342	253	49	15	BDL	CLEAR SKY / CALM
17-01-24	18-01-24	361	269	51	19	17	CLEAR SKY / CALM
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 : 16-12-23 TO 15-01-24

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
04-01-24	8.16	24	40	BDL
17-01-24	7.97	28	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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

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

BHUMKADHANA VILLAGE		PDUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	10-01-24	43.2	41.7
JAN'24	22-01-24	43.4	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

CHARUN KHAPA VILLAGE		PDUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	10-01-24	44.9	43.1
JAN'24	22-01-24	44.6	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

BANKI VILLAGE		PDUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	10-01-24	45.2	43.7
JAN'24	22-01-24	44.9	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DIGHAWANI VILLAGE		PDUN4	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	10-01-24	44.6	43.1
JAN'24	22-01-24	43.7	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

MANAGER OFFICE		PDUN5	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JAN'24	10-01-24	44.8	42.8
JAN'24	22-01-24	44.4	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

JAMUNIA UG

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



JANUARY 2024

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/JAN-24/58	DATE OF ISSUE	24-01-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-23 TO 15-01-24


MANAGER OFFICE PJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-24	07-01-24	360	271	46	17	15	CLEAR / CALM
18-01-24	19-01-24	387	294	52	15	11	CLEAR / CALM
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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-01-24	07-01-24	332	248	41	15	BDL	CLEAR / CALM
18-01-24	19-01-24	366	267	47	19	15	CLEAR / CALM
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)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-01-24	07-01-24	92	22	10	BDL	CLEAR / CALM	
18-01-24	19-01-24	75	26	8	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07-01-24	08-01-24	82	25	8	BDL	CLEAR / CALM	
20-01-24	21-01-24	93	29	10	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		


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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-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	20
JAN'24	10-01-24	45.5	43.7
JAN'24	22-01-24	45.9	44.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

MAHADEOPURI UG

PENCH AREA

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JANUARY 2024

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

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	
04-01-24	05-01-24	351	268	41	18	12	CLEAR SKY / CALM
16-01-24	17-01-24	380	286	49	17	14	CLEAR SKY / CALM
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	
04-01-24	05-01-24	320	221	44	16	12	CLEAR SKY / CALM
16-01-24	17-01-24	355	256	52	18	15	CLEAR SKY / CALM
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		
04-01-24	05-01-24	71	25	10	BDL	CLEAR SKY / CALM	
16-01-24	17-01-24	83	28	8	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-01-24	05-01-24	88	24	8	BDL	CLEAR SKY / CALM	
16-01-24	17-01-24	99	30	10	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING


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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15-09-23 TO 15-10-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
26-01-24	27-01-24	457	337	CLEAR SKY / CALM

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
26-01-24	27-01-24	469	329	CLEAR SKY / CALM

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
26-01-24	27-01-24	497	382	CLEAR SKY / CALM

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

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
03-01-24	8.32	30	46	BDL
16-01-24	8.40	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

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

FAN HOUSE: PMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	10-01-24	68.7	66.9
JAN'24	22-01-24	67.8	67.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PMUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	10-01-24	45.1	44.1
JAN'24	22-01-24	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/JAN-24/60	DATE OF ISSUE	24-01-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-12-23 TO 15-01-24

SAM OFFICE PNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-24	08-01-24	366	278	39	15	12	CLEAR SKY / CALM
20-01-24	21-01-24	389	293	46	18	13	CLEAR SKY / CALM
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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07-01-24	08-01-24	352	266	42	16	11	CLEAR SKY / CALM
20-01-24	21-01-24	379	286	49	19	17	CLEAR SKY / CALM
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		
07-01-24	08-01-24	79	23	9	BDL	CLEAR SKY / CALM	
20-01-24	21-01-24	86	20	10	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
07-01-24	08-01-24	82	25	8	BDL	CLEAR SKY / CALM	
20-01-24	21-01-24	93	29	10	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		



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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	15-09-23 TO 15-10-23	

COAL STCOK BUNKER PNUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
20-01-24	21-01-24	488	356	CLEAR SKY / CALM

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

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
06-01-24	8.01	26	44	BDL
20-01-24	8.15	32	48	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
06-01-24	8.17	22	32	BDL
20-01-24	8.06	38	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-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
JAN'24	10-01-24	69.1	68.2
JAN'24	22-01-24	69.8	68.5
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
JAN'24	10-01-24	43.5	42.2
JAN'24	22-01-24	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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PENCH AREA

WESTERN COALFIELDS LTD.


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TEST REPORT NO.	RIN/TR/JAN-24/61	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
11-01-24	12-01-24	344	263	33	18	15	CLEAR SKY / CALM
23-01-24	24-01-24	377	289	44	15	11	CLEAR SKY / CALM
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	
12-01-24	13-01-24	345	251	49	17	15	CLEAR SKY / CALM
24-01-24	25-01-24	379	285	54	19	15	CLEAR SKY / CALM
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	
12-01-24	13-01-24	91	28	9	BDL	CLEAR SKY / CALM
24-01-24	25-01-24	83	21	10	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	
11-01-24	12-01-24	75	20	8	BDL	CLEAR SKY / CALM
23-01-24	24-01-24	89	25	10	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 : 16-01-24 TO 15-02-24

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
10-01-24	7.93	22	28	BDL
23-01-24	8.04	28	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

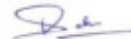
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	10-01-24	46.1	44.7
JAN'24	22-01-24	45.7	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	10-01-24	44.4	43.4
JAN'24	22-01-24	44.6	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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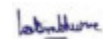
TEST REPORT NO.	RIN/TR/JAN-23/62	DATE OF ISSUE	24-02-24
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), 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:		16-01-24 TO 15-02-24

SITE OFFICE PSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-01-24	10-01-24	5	5	2	6	10	CLEAR SKY / CALM
22-01-24	23-01-24	340	253	42	15	12	
		371	277	47	19	14	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

SUBSTATION VISHNUPURI-I PV1UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-01-24	11-01-24	5	5	2	6	10	CLEAR SKY / CALM
22-01-24	23-01-24	329	251	37	17	12	
		365	274	44	15	11	CLEAR SKY / CALM
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 $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-01-24	10-01-24	5	2	6	10	CLEAR SKY / CALM	
22-01-24	23-01-24	87	22	10	BDL		
		95	26	8	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
12-01-24	13-01-24	5	2	6	10	CLEAR SKY / CALM	
24-01-24	25-01-24	91	28	9	BDL		
		83	21	10	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		



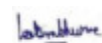
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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	DATE:-	16-01-24 TO 15-02-24

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE		ENVIRONMENT CONDITIONS (Sky/Wind)
		UUOF1		
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
22-01-24	23-01-24	487	355	CLEAR / CALM



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NOISE LEVEL MONITORING DATA

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

NEAR MANAGER OFFICE: PSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	10-01-24	45.8	44.4
JAN'24	22-01-24	45.2	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	10-01-24	43.2	42.2
JAN'24	22-01-24	43	42.2
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	
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TEST REPORT NO.	RIN/TR/JAN-24/63	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
08-01-24	09-01-24	94	26	9	BDL	CLEAR / CALM
21-01-24	22-01-24	76	20	10	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

SAM OFFICE PTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
08-01-24	09-01-24	361	277	53	17	14	CLEAR / CALM
21-01-24	22-01-24	379	292	47	18	12	CLEAR / CALM
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
08-01-24	09-01-24	333	243	44	16	12	CLEAR / CALM
21-01-24	22-01-24	369	266	50	14	BDL	CLEAR / CALM
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	
08-01-24	09-01-24	89	21	8	BDL	CLEAR / CALM
21-01-24	22-01-24	96	27	10	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

COAL STCOK BUNKER PTUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
21-01-24	22-01-24	493	369	CLEAR / CALM

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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 : 16-01-24 TO 15-02-24

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
07-01-24	8.01	36	48	BDL
21-01-24	8.32	26	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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-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
JAN'24	10-01-24	68.5	67.2
JAN'24	22-01-24	67.9	67.1
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
JAN'24	10-01-24	44.9	43.4
JAN'24	22-01-24	44.5	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	50



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TEST REPORT NO.	RIN/TR/JAN-24/64	DATE OF ISSUE	24-02-24
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:		16-01-24 TO 15-02-24

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	
06-01-24	07-01-24	342	257	47	18	16	CLEAR SKY / CALM
19-01-24	20-01-24	371	273	40	19	14	CLEAR SKY / CALM
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	
06-01-24	07-01-24	99	26	9	BDL	CLEAR SKY / CALM
19-01-24	20-01-24	70	21	10	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	
07-01-24	08-01-24	79	23	9	BDL	CLEAR SKY / CALM
20-01-24	21-01-24	86	20	10	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	
07-01-24	08-01-24	82	25	8	BDL	CLEAR SKY / CALM
20-01-24	21-01-24	93	29	10	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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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-01-24 TO 15-02-24	

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	
19-01-24	20-01-24	437	316	CLEAR SKY / CALM


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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 : 16-01-24 TO 15-02-24

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
05-01-24	8.24	28	40	BDL
19-01-24	8.33	22	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
05-01-24	8.31	32	44	BDL
19-01-24	8.05	34	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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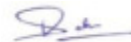
NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: PUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JAN'24	10-01-24	46.7	45.3
JAN'24	22-01-24	46.3	45.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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JOB NO. 4094423067



JANUARY 2024

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TEST REPORT NO.	RIN/TR/JAN-24/66	DATE OF ISSUE	24-01-24
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:		16-11-23 TO 15-12-23

SAM OFFICE PV1UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-01-24	10-01-24	368	286	40	16	12	CLEAR SKY / CALM
22-01-24	23-01-24	341	258	53	18	16	CLEAR SKY / CALM
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 $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-01-24	10-01-24	329	251	37	17	12	CLEAR SKY / CALM
22-01-24	23-01-24	365	274	44	15	11	CLEAR SKY / CALM
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 $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-01-24	10-01-24	87	22	10	BDL	CLEAR SKY / CALM	
22-01-24	23-01-24	95	26	8	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
12-01-24	13-01-24	91	28	9	BDL	CLEAR SKY / CALM	
24-01-24	25-01-24	83	21	10	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		




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FUGITIVE DUST MONITORING

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		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	15-09-23 TO 15-10-23	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE PBOF1		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
23-01-24	24-01-24	489	372	CLEAR SKY / CALM


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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 :	16-11-23 TO 15-12-23

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
09-01-24	8.14	24	36	BDL
22-01-24	7.99	30	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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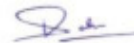
NOISE LEVEL MONITORING DATA

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

FAN HOUSE UG-II: PV2UN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	10-01-24	69.5	68.1
JAN'24	22-01-24	69.6	68.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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JANUARY 2024

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TEST REPORT NO.	RIN/TR/JAN-24/53	DATE OF ISSUE	24-02-24
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 : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-01-24 TO 15-02-24

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	
05-01-24	06-01-24	357	200	64	16	14	CLEAR/LIGHT BREEZE
19-01-24	20-01-24	346	194	70	17	14	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		
05-01-24	06-01-24	68	42	15	12	CLEAR/LIGHT BREEZE	
19-01-24	20-01-24	64	44	16	12	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	
05-01-24	06-01-24	198	52	34	14	12	CLEAR/LIGHT BREEZE
19-01-24	20-01-24	185	50	42	15	11	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		
05-01-24	06-01-24	58	46	12	10	CLEAR/LIGHT BREEZE	
19-01-24	20-01-24	56	40	16	13	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 : 16-01-24 TO 15-02-24

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
05-01-24	7.30	44	32	4.0
19-01-24	7.67	46	52	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, AUG-2015
SAMPLING METHOD	LSOP 6

NEAR WORKSHOP: CWSN1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	03-01-24	52.3	51.4
JAN'24	18-01-24	52.7	51.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(CWS): CWSN2			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JAN'24	03-01-24	42.6	41.2
JAN'24	18-01-24	44.3	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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