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ENVIRONMENTAL MONITORING REPORT

BALLARPUR OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



NOV - 2022

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/NOV-22/41	DATE OF ISSUE	30-12-2022		
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:			17/11/22 TO 15/12/22	

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	
08-11-2022	09-11-2022	226	132	38	10	BDL	Cloudy sky / Light Breeze
23-11-2022	24-11-2022	222	136	32	11	BDL	Cloudy sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

SUBSTATION BBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-11-2022	08-11-2022	218	118	28	9	BDL	Cloudy sky / Light Breeze
22-11-2022	23-11-2022	214	122	26	8	BDL	Cloudy sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE BBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-11-2022	08-11-2022	208	112	24	9	BDL	Cloudy sky / Light Breeze
22-11-2022	23-11-2022	216	118	28	10	BDL	Cloudy sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

FILTER PLANT COLONY BBUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08-11-2022	09-11-2022	120	32	22	7	BDL	Cloudy sky / Light Breeze
23-11-2022	24-11-2022	126	36	24	6	BDL	Cloudy sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

J. Skay
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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 : 17.11.2022 TO 15.12.2022

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
22-11-2022	7.75	16	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

CHP: BBUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	74.6	73.7
NOV'22	23-11-2022	62.8	61.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY BALLARPUR UG: BBUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	43.7	42.6
NOV'22	23-11-2022	42.6	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
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ENVIRONMENTAL MONITORING REPORT

BALLARPUR UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.

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NOV - 2022



Environment Laboratory
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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/NOV-22/42	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

MANAGER OFFICE- BALLARPUR UG		BBOA1					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	
08-11-2022	09-11-2022	226	132	38	10	BDL	Cloudy / Light Breeze
23-11-2022	24-11-2022	222	136	32	11	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION		BBOA2					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	
07-11-2022	08-11-2022	218	118	28	9	BDL	Cloudy / Light Breeze
22-11-2022	23-11-2022	214	122	26	8	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE		BBOA3					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	
07-11-2022	08-11-2022	208	112	24	9	BDL	Cloudy / Light Breeze
22-11-2022	23-11-2022	216	118	28	10	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT COLONY		BBOA4					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	
08-11-2022	09-11-2022	120	32	22	7	BDL	Cloudy / Light Breeze
23-11-2022	24-11-2022	126	36	24	6	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

MINE WATER DISCHARGE: BBUW1		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
23-11-2022	7.8	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	 TC-7102
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE: BBUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	07-11-2022	77.9	76.8
NOV'22	23-11-2022	77.9	76.5
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
NOV'22	07-11-2022	43.7	42.6
NOV'22	23-11-2022	42.6	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
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ENVIRONMENTAL MONITORING REPORT

GOURI-I & II (A) OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



NOV - 2022

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/44	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06-11-2022	07-11-2022	222	134	38	10	BDL	Cloudy / Light Breeze
21-11-2022	22-11-2022	228	132	34	9	BDL	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	
05-11-2022	06-11-2022	218	128	32	10	BDL	Cloudy / Light Breeze
20-11-2022	21-11-2022	220	122	28	8	BDL	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	
06-11-2022	07-11-2022	116	38	24	8	BDL	Cloudy / Light Breeze
21-11-2022	22-11-2022	114	36	22	6	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	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
04-11-2022	05-11-2022	120	32	26	6	BDL	Cloudy / Light Breeze
19-11-2022	20-11-2022	124	34	20	7	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

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
23-11-2022	7.74	18	28	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
23-11-2022	7.82	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

J. Shan
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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: BGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	07-11-2022	76.7	75.5
NOV'22	23-11-2022	68.9	67.7
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
NOV'22	07-11-2022	43.6	42.5
NOV'22	23-11-2022	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

GOURI DEEP OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



NOV - 2022

Environment Laboratory
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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/43	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22


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	
03-11-2022	04-11-2022	226	126	36	11	BDL	Cloudy sky / Light Breeze
18-11-2022	19-11-2022	218	128	32	10	BDL	Cloudy sky / Light Breeze
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	SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
03-11-2022	04-11-2022	118	32	22	9	BDL	Cloudy sky / Light Breeze
18-11-2022	19-11-2022	114	30	20	7	BDL	Cloudy sky / Light Breeze
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	SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
03-11-2022	04-11-2022	120	34	24	7	BDL	Cloudy sky / Light Breeze
18-11-2022	19-11-2022	116	36	26	6	BDL	Cloudy sky / Light Breeze
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	SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
03-11-2022	04-11-2022	112	32	24	8	BDL	Cloudy sky / Light Breeze
18-11-2022	19-11-2022	118	30	20	7	BDL	Cloudy sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
18-11-2022	7.6	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP) DISCHARGE: BGDW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
18-11-2022	7.55	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	 EC-7102
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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	07-11-2022	56.8	55.9
NOV'22	23-11-2022	57.6	56.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
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ENVIRONMENTAL MONITORING REPORT

NEW DHOPTALA OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



NOV - 2022

Environment Laboratory
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JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/45	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-11-2022	08-11-2022	232	138	42	11	BDL	Cloudy / Light Breeze
22-11-2022	23-11-2022	227	132	36	12	BDL	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	
08-11-2022	09-11-2022	218	128	38	12	BDL	Cloudy / Light Breeze
23-11-2022	24-11-2022	220	122	34	11	BDL	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	
07-11-2022	08-11-2022	132	38	26	9	BDL	Cloudy / Light Breeze
22-11-2022	23-11-2022	138	36	22	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	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03-11-2022	04-11-2022	118	32	22	9	BDL	Cloudy / Light Breeze
18-11-2022	19-11-2022	114	30	20	7	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
22-11-2022	7.46	16	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

CHP: BNDON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	67.8	66.9
NOV'22	23-11-2022	65.5	64.5
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
NOV'22	07-11-2022	42.5	41.7
NOV'22	23-11-2022	43.6	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PAUNI II OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/47	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

MINE OFFICE BP2OA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05-11-2022	06-11-2022	221	132	38	12	BDL	Cloudy Sky / Light Breeze
20-11-2022	21-11-2022	227	128	34	11	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


SUBSTATION BP2OA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05-11-2022	06-11-2022	237	126	30	11	BDL	Cloudy Sky / Light Breeze
20-11-2022	21-11-2022	230	134	36	10	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAKHARI VILLAGE BP2OA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05-11-2022	06-11-2022	117	36	26	7	BDL	Cloudy Sky / Light Breeze
20-11-2022	21-11-2022	112	38	28	8	BDL	Cloudy Sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

WORKSHOP PAUNI OC BPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
04-11-2022	05-11-2022	212	136	36	10	BDL	Cloudy Sky / Light Breeze
19-11-2022	20-11-2022	222	134	32	11	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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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 :	17.11.2022 TO 15.12.2022

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
20-11-2022	7.45	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-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
NOV'22	07-11-2022	55.5	54.7
NOV'22	23-11-2022	56.8	55.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/46	DATE OF ISSUE	30-12-2022
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:	17/11/22 TO 15/12/22	

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	
04-11-2022	05-11-222	228	138	47	12	BDL	Cloudy Sky / Light Breeze
19-11-2022	20-11-2022	218	122	42	11	BDL	Cloudy Sky / Light Breeze
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	
04-11-2022	05-11-222	212	136	36	10	BDL	Cloudy Sky / Light Breeze
19-11-2022	20-11-2022	222	134	32	11	BDL	Cloudy Sky / Light Breeze
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	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
04-11-2022	05-11-222	118	32	22	8	BDL	Cloudy Sky / Light Breeze
19-11-2022	20-11-2022	112	36	26	7	BDL	Cloudy Sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

GOURI VILLAGE BGOA4							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
04-11-2022	05-11-222	120	32	26	6	BDL	Cloudy Sky / Light Breeze
19-11-2022	20-11-2022	124	34	20	7	BDL	Cloudy Sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		
SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(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 : 17.11.2022 TO 15.12.2022		

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
19-11-2022	7.68	18	24	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
19-11-2022	7.64	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	57.6	56.8
NOV'22	23-11-2022	55.7	54.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	43.6	42.5
NOV'22	23-11-2022	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/48	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
06-11-2022	07-11-2022	232	138	36	11	BDL	Cloudy Sky / Light Breeze
21-11-2022	22-11-2022	221	127	34	10	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

AREA STORE BSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06-11-2022	07-11-2022	210	128	38	10	BDL	Cloudy Sky / Light Breeze
21-11-2022	22-11-2022	216	122	32	9	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT BSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06-11-2022	07-11-2022	116	38	24	8	BDL	Cloudy Sky / Light Breeze
21-11-2022	22-11-2022	114	36	22	6	BDL	Cloudy Sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08-11-2022	09-11-2022	116	38	28	7	BDL	Cloudy Sky / Light Breeze
23-11-2022	24-11-2022	126	34	24	6	BDL	Cloudy Sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
21-11-2022	7.79	26	36	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
21-11-2022	7.77	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED:		BSOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
21-11-2022	28	10.8	
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:		BSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	07-11-2022	66.5	65.6
NOV'22	23-11-2022	64.8	63.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		75	70

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	07-11-2022	43.6	42.5
NOV'22	23-11-2022	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/NOV-22/49	DATE OF ISSUE	30-12-2022		
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:		17/11/22 TO 15/12/22		

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	
07-11-2022	08-11-2022	232	138	42	11	BDL	Cloudy / Light Breeze
22-11-2022	23-11-2022	227	132	36	12	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE-DHOPTALA OC BND0A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08-11-2022	09-11-2022	218	128	38	12	BDL	Cloudy / Light Breeze
23-11-2022	24-11-2022	220	122	34	11	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SASTI COLONY BSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-11-2022	08-11-2022	132	38	26	9	BDL	Cloudy / Light Breeze
22-11-2022	23-11-2022	138	36	22	8	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08-11-2022	09-11-2022	116	38	28	7	BDL	Cloudy / Light Breeze
23-11-2022	24-11-2022	126	34	24	6	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

J. Shan

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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:		BSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	07-11-2022	45.7	44.6
NOV'22	23-11-2022	46.8	45.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY:		BSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	07-11-2022	42.5	41.7
NOV'22	23-11-2022	43.6	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

BHATADI OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/31	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22


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	
03-11-2022	04-11-2022	253	171	53	19	12	Clear Sky / Calm
25-11-2022	26-11-2022	275	182	60	22	14	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	
03-11-2022	04-11-2022	247	142	51	20	13	Clear Sky / Calm
25-11-2022	26-11-2022	269	153	58	23	15	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	137	64	27	13	BDL	Clear Sky / Calm
26-11-2022	27-11-2022	172	75	34	16	BDL	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	141	63	28	10	BDL	Clear Sky / Calm
25-11-2022	26-11-2022	163	74	35	13	BDL	Clear Sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		
SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022	

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
25-11-2022	7.33	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	

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
25-11-2022	7.63	32	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	

STP(DOMESTIC EFFLUENT)TREATED: CBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
25-11-2022	52	11.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

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

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

CHP: CBON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	12-11-2022	64.7	63.9
NOV'22	26-11-2022	62.8	61.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CBON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	12-11-2022	42.6	41.7
NOV'22	26-11-2022	42.6	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

CRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/32	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

MANAGER OFFICE MAHAKALI UG 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	
10-11-2022	11-11-2022	251	152	55	20	12	Cloudy / Light Breeze
25-11-2022	26-11-2022	273	163	62	23	14	Cloudy / 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	
11-11-2022	12-11-2022	268	174	53	19	12	Cloudy / Light Breeze
26-11-2022	27-11-2022	290	185	60	22	14	Cloudy / 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	
11-11-2022	12-11-2022	255	180	55	20	13	Cloudy / Light Breeze
26-11-2022	27-11-2022	277	191	62	23	15	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	122	62	19	11	BDL	Cloudy / Light Breeze
25-11-2022	26-11-2022	144	73	26	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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NOISE LEVEL MONITORING DATA

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

CHP: CCRUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
	DETECTION LIMIT	20	20
NOV'22	12-11-2022	63.8	62.6
NOV'22	26-11-2022	63.8	62.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CCRUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
	DETECTION LIMIT	20	20
NOV'22	12-11-2022	43.8	42.7
NOV'22	26-11-2022	43.6	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/NOV-22/33	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
11-11-2022	12-11-2022	246	135	54	17	11	Cloudy / Light Breeze
26-11-2022	27-11-2022	268	146	61	20	13	Cloudy / 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	
12-11-2022	13-11-2022	235	156	52	18	13	Cloudy / Light Breeze
27-11-2022	28-11-2022	257	167	59	21	15	Cloudy / 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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-11-2022	13-11-2022	157	68	24	12	BDL	Cloudy / Light Breeze
27-11-2022	28-11-2022	179	79	31	15	BDL	Cloudy / 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	
11-11-2022	12-11-2022	258	166	55	21	11	Cloudy / Light Breeze
26-11-2022	27-11-2022	280	177	62	24	13	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
27-11-2022	7.37	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: CDRUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	12-11-2022	74.6	73.8
NOV'22	26-11-2022	76.6	75.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY: CDRUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	12-11-2022	43.3	42.4
NOV'22	26-11-2022	43.7	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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TEST REPORT NO.	RIN/TR/NOV-22/34	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
12-11-2022	13-11-2022	239	165	59	20	12	Cloudy / Light Breeze
27-11-2022	28-11-2022	261	176	66	23	14	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DURGAPUR VILLAGE CDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-11-2022	13-11-2022	130	64	28	13	BDL	Cloudy / Light Breeze
27-11-2022	28-11-2022	149	74	35	15	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

MANAGER OFFICE Q-IV CPOA1(Padmapur)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	215	155	55	19	12	Clear / Calm
26-11-2022	27-11-2022	237	166	62	22	14	Clear / Modratereeze
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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-11-2022	13-11-2022	127	63	27	12	BDL	Cloudy / Light Breeze
27-11-2022	28-11-2022	152	76	36	16	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
26-11-2022	6.48	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE Q-IV 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
26-11-2022	6.38	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): CDOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
26-11-2022	7.52	34	48	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
26-11-2022	38	10.2
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

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

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

CHP: CDON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	12-11-2022	66.8	65.7
NOV'22	26-11-2022	64.6	63.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY: CDON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	12-11-2022	43.3	42.4
NOV'22	26-11-2022	43.7	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

HLP-I & III UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/36	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

SUBSTATION HLC I UG CHUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-11-2022	03-11-2022	248	177	52	20	12	Cloudy Sky / Light Breeze
17-11-2022	18-11-2022	270	188	59	23	14	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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-11-2022	03-11-2022	234	179	56	19	11	Cloudy Sky / Light Breeze
17-11-2022	18-11-2022	256	190	63	22	13	Cloudy 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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-11-2022	03-11-2022	148	65	27	11	BDL	Cloudy Sky / Light Breeze
17-11-2022	18-11-2022	170	78	34	14	BDL	Cloudy Sky / Light Breeze
NAAQS, 2009		-	100	60	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
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-11-2022	03-11-2022	162	75	26	12	10	Cloudy Sky / Light Breeze
17-11-2022	18-11-2022	184	86	33	15	12	Cloudy Sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
17-11-2022	8.04	18	28	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
17-11-2022	7.72	16	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB 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
NOV'2022	12-11-2022	76.6	75.6
NOV'2022	26-11-2022	77.8	76.6
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
NOV'2022	12-11-2022	42.5	41.6
NOV'2022	26-11-2022	44.4	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

HLP OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/35	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

MANAGER OFFICE (NANDGAON UG) CNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	287	167	56	19	14	Cloudy / Light Breeze
25-11-2022	26-11-2022	309	178	63	22	16	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE(HLP OC) CHO2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	254	153	59	20	12	Cloudy / Light Breeze
24-11-2022	25-11-2022	275	164	66	23	14	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE CMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	139	61	27	11	BDL	Cloudy / Light Breeze
24-11-2022	25-11-2022	160	72	34	14	11	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

COLONY (NANDGAON) CNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	145	55	27	11	BDL	Cloudy / Light Breeze
25-11-2022	26-11-2022	165	66	34	14	11	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
24-11-2022	2.68	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, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	12-11-2022	64.8	63.7
NOV'22	26-11-2022	66.6	65.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	12-11-2022	42.7	41.8
NOV'22	26-11-2022	43.5	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

MAHAKALI UG

CHANDRAPUR AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7182	
TEST REPORT NO.	RIN/TR/NOV-22/37	DATE OF ISSUE	30-12-2022		
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:			17/11/22 TO 15/12/22	

MANAGER OFFICE MAHAKALI UG 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	
10-11-2022	11-11-2022	251	152	55	20	12	Cloudy / Light Breeze
25-11-2022	26-11-2022	273	163	62	23	14	Cloudy / 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	
11-11-2022	12-11-2022	268	174	53	19	12	Cloudy / Light Breeze
26-11-2022	27-11-2022	290	185	60	22	14	Cloudy / 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	
11-11-2022	12-11-2022	255	180	55	20	13	Cloudy / Light Breeze
26-11-2022	27-11-2022	277	191	62	23	15	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	122	62	19	11	BDL	Cloudy / Light Breeze
25-11-2022	26-11-2022	144	73	26	14	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(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 : 17.11.2022 TO 15.12.2022			

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
25-11-2022	7.44	16	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB 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
NOV'22	12-11-2022	76.6	75.7
NOV'22	26-11-2022	74.6	73.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MAHAKALI): CMUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	12-11-2022	44.4	43.3
NOV'22	26-11-2022	42.7	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/38	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	236	135	53	20	12	Cloudy / Light Breeze
24-11-2022	25-11-2022	258	145	60	23	14	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	
09-11-2022	10-11-2022	225	149	51	21	13	Cloudy / Light Breeze
24-11-2022	25-11-2022	247	157	58	24	15	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	
10-11-2022	11-11-2022	145	55	27	11	BDL	Cloudy / Light Breeze
25-11-2022	26-11-2022	165	66	34	14	11	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	139	61	27	11	BDL	Cloudy / Light Breeze
24-11-2022	25-11-2022	160	72	34	14	11	Cloudy / Light Breeze
		-	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 :	17.11.2022 TO 15.12.2022

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
24-11-2022	8.26	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: CMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	12-11-2022	75.8	74.5
NOV'22	26-11-2022	75.7	74.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(HLP OC): CHON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	12-11-2022	42.7	41.8
NOV'22	26-11-2022	43.5	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NANDGAON UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



NOV - 2022

Environment Laboratory
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/NOV-22/39	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
10-11-2022	11-11-2022	287	167	56	19	14	Cloudy / Light Breeze
25-11-2022	26-11-2022	309	178	63	22	16	Cloudy / 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	
09-11-2022	10-11-2022	225	149	51	21	13	Cloudy / Light Breeze
24-11-2022	25-11-2022	247	157	58	24	15	Cloudy / 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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	139	61	27	11	BDL	Cloudy / Light Breeze
24-11-2022	25-11-2022	160	72	34	14	11	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

COLONY (NANDGAON)		CNUA4					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	
10-11-2022	11-11-2022	145	55	27	11	BDL	Cloudy / Light Breeze
25-11-2022	26-11-2022	165	66	34	14	11	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

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
25-11-2022	7.88	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	 TC-7102
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NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	12-11-2022	77.7	76.9
NOV'22	26-11-2022	77.8	76.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP OC:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	12-11-2022	42.7	41.8
NOV'22	26-11-2022	43.5	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

PADMAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/40	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

MANAGER OFFICE Q-IV CPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04-11-2022	05-11-2022	215	155	55	19	12	Clear Sky / Calm
26-11-2022	27-11-2022	237	166	62	22	14	Clear Sky / Modratebreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


WARWAT VILLAGE CPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04-11-2022	05-11-2022	121	58	22	11	BDL	Clear Sky / Calm
26-11-2022	27-11-2022	146	69	29	14	BDL	Clear Sky / Modratebreeze
NAAQS, 2009		-	100	60	80	80	

KITADI VILLAGE CPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04-11-2022	05-11-2022	115	56	23	13	BDL	Clear Sky / Calm
26-11-2022	27-11-2022	137	67	30	16	BDL	Clear Sky / Modratebreeze
NAAQS, 2009		-	100	60	80	80	

VICHODA RAYATWARI VILLAGE CPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04-11-2022	05-11-2022	128	57	26	10	BDL	Clear Sky / Calm
25-11-2022	26-11-2022	150	68	33	13	BDL	Clear Sky / Modratebreeze
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 : 17.11.2022 TO 15.12.2022


MINE WATER DISCHARGE SECTOR III: CPOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
26-11-2022	7.7	42	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP CPOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
26-11-2022	7.48	38	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE SECTOR IV: CPOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
26-11-2022	2.63	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

CHP:		CPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	12-11-2022	65.7	64.8
NOV'22	26-11-2022	63.7	62.7
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
NOV'22	12-11-2022	43.3	42.4
NOV'22	26-11-2022	43.7	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI-II(A) OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/NOV-22/51	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
07-11-2022	08-11-2022	280	172	40	17	11	Clear / Calm
18-11-2022	19-11-2022	302	191	46	15	BDL	Cloudy Sky / Lightbreeze
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	
07-11-2022	08-11-2022	231	144	46	16	10	Clear / Calm
18-11-2022	19-11-2022	260	161	49	14	BDL	Cloudy Sky / Lightbreeze
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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-11-2022	08-11-2022	101	77	22	9	BDL	Clear / Calm
18-11-2022	19-11-2022	129	89	27	10	BDL	Cloudy Sky / Lightbreeze
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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	91	65	22	8	BDL	Clear Sky / Calm
07-11-2022	08-11-2022	117	72	26	10	BDL	Clear Sky / Calm
11-11-2022	12-11-2022	125	76	28	10	BDL	Clear Sky / Moderatbreeze
12-11-2022	13-11-2022	99	69	23	8	BDL	Clear Sky / Lightbreeze
17-11-2022	18-11-2022	111	76	26	9	BDL	Clear Sky / Lightbreeze
18-11-2022	19-11-2022	134	82	28	8	BDL	Cloudy Sky / Moderatbreeze
22-11-2022	23-11-2022	120	88	24	9	BDL	Cloudy Sky / Moderatbreeze
23-11-2022	24-11-2022	113	73	26	9	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
18-11-2022	7.74	26	36	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
18-11-2022	7.58	42	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: MMOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
18-11-2022	52	10
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

FIELD MINE SHED:		MMON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	09-11-2022	60.3	59.5
NOV'22	22-11-2022	60.8	59.7
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
NOV'22	09-11-2022	47.8	46.5
NOV'22	22-11-2022	47.5	46.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI UG TO OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



NOV - 2022

Environment Laboratory

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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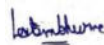
TEST REPORT NO.	RIN/TR/NOV-22/50	DATE OF ISSUE	30-12-2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), 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:		17-11-22 to 15-12-2022


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	
06-11-2022	07-11-2022	231	144	46	16	10	Clear Sky / Calm
17-11-2022	18-11-2022	260	161	49	14	BDL	Clear Sky / Lightbreeze
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	
06-11-2022	07-11-2022	269	168	44	17	12	Clear Sky / Lightbreeze
17-11-2022	18-11-2022	281	179	48	15	BDL	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CONTRACTOR CAMP MMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06-11-2022	07-11-2022	278	188	39	15	BDL	Clear Sky / Lightbreeze
17-11-2022	18-11-2022	291	193	43	17	13	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAWARLA VILLAGE MMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-11-2022	08-11-2022	120	81	27	8	BDL	Clear Sky / Modratebreeze
18-11-2022	19-11-2022	137	92	22	10	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(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 : 17.11.2022 TO 15.12.2022


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
17-11-2022	7.05	64	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: MMUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
17-11-2022	7.42	58	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
17-11-2022	44	12
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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE:		MMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	09-11-2022	57.7	56.4
NOV'22	22-11-2022	58.4	57.3
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
NOV'22	09-11-2022	46.4	45.2
NOV'22	22-11-2022	46.4	45.9
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. 4634420034



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/52	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

PIT OFFICE MYOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-11-2022	09-11-2022	288	178	46	16	11	Cloudy / Calm
19-11-2022	20-11-2022	263	162	40	17	12	Clear Sky / LightBreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-11-2022	09-11-2022	98	62	27	8	BDL	Cloudy / Calm
19-11-2022	20-11-2022	109	75	24	9	BDL	Clear Sky / LightBreeze
NAAQS, 2009		-	100	60	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-11-2022	09-11-2022	120	72	25	9	BDL	Cloudy / Calm
19-11-2022	20-11-2022	137	83	29	10	BDL	Clear Sky / LightBreeze
NAAQS, 2009		-	100	60	80	80	

DANDGAON VILLAGE MYOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-11-2022	13-11-2022	134	81	28	10	BDL	Cloudy / Calm
23-11-2022	24-11-2022	129	91	22	8	BDL	Clear Sky / LightBreeze
NAAQS, 2009		-	100	60	80	80	

HIWRA MAJRA VILLAGE MYOA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-11-2022	13-11-2022	117	70	24	9	BDL	Cloudy / Calm
23-11-2022	24-11-2022	134	86	28	10	BDL	Clear Sky / LightBreeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
19-11-2022	8.04	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


MINE WATER DISCHARGE: YEKONA II OC : MYOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
19-11-2022	8.1	22	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP : MYOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
19-11-2022	7.48	46	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
19-11-2022	40	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-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
NOV'22	09-11-2022	58.7	57.3
NOV'22	22-11-2022	59.1	58.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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NAGPUR AREA

WESTERN COALFIELDS LTD.

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/1	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
03-11-2022	04-11-2022	327	195	58	26	13	Clear Sky / Lightbreeze
17-11-2022	18-11-2022	314	183	56	24	12	Clear Sky / Lightbreeze
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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	159	86	45	17	BDL	Clear Sky / Lightbreeze
17-11-2022	18-11-2022	148	82	42	19	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

COLONY WATER FILTER PLANT NSNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-11-2022	03-11-2022	152	62	34	19	BDL	Clear Sky / Lightbreeze
16-11-2022	17-11-2022	163	66	37	21	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

KOTODI VILLAGE NSNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-11-2022	03-11-2022	141	59	32	20	BDL	Clear Sky / Lightbreeze
16-11-2022	17-11-2022	150	62	38	17	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-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
NOV'22	07-11-2022	69.2	68.5
NOV'22	26-11-2022	69.2	68.4
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
NOV'22	07-11-2022	56.2	55.4
NOV'22	26-11-2022	54.4	53.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

70

COLONY (SAONER):		NAUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	42.4	41.6
NOV'22	26-11-2022	42.4	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/2	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
04-11-2022	05-11-2022	338	193	59	25	14	Cloudy / Calm
24-11-2022	25-11-2022	345	197	57	24	12	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-11-2022	05-11-2022	168	78	34	18	BDL	Cloudy / Calm
24-11-2022	25-11-2022	175	84	39	19	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-11-2022	05-11-2022	129	68	27	15	BDL	Cloudy / Calm
24-11-2022	25-11-2022	135	76	29	17	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	139	64	38	17	BDL	Cloudy / Calm
25-11-2022	26-11-2022	120	51	32	15	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 : 17.11.2022 TO 15.12.2022

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
24-11-2022	8.05	14	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	07-11-2022	54.3	53.6
NOV'22	26-02-1900	57.5	56.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/NOV-22/3	DATE OF ISSUE	30-12-2022
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:	17/11/22 TO 15/12/22	

NEAR SUBSTATION NGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	325	174	58	26	13	Cloudy / Calm
23-11-2022	24-11-2022	314	165	52	24	12	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


GONDEGAON VILLAGE SCHOOL NGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	129	65	32	20	BDL	Cloudy / Calm
23-11-2022	24-11-2022	116	61	27	18	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	153	68	39	19	BDL	Cloudy / Calm
23-11-2022	24-11-2022	159	71	37	17	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	120	54	23	16	BDL	Cloudy / Calm
23-11-2022	24-11-2022	129	61	26	18	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
24-11-2022	7.92	26	96	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
24-11-2022	8.69	16	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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

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

CHP NGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
		DETECTION LIMIT	20
NOV'22	07-11-2022	66.4	65.6
NOV'22	26-11-2022	66.2	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GONDEGAON VILLAGE: NGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
		DETECTION LIMIT	20
NOV'22	07-11-2022	42.3	41.4
NOV'22	26-11-2022	42.5	41.7
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
		DETECTION LIMIT	20
NOV'22	07-11-2022	42.4	41.6
NOV'22	26-11-2022	42.3	41.5
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
		DETECTION LIMIT	20
NOV'22	07-11-2022	42.2	41.4
NOV'22	26-11-2022	42.4	41.6
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/NOV-22/4	DATE OF ISSUE	30-12-2022		
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:			17/11/22 TO 15/12/22	

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	
06-11-2022	07-11-2022	265	174	54	24	12	Cloudy / Calm
22-11-2022	23-11-2022	283	179	58	25	13	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	
06-11-2022	07-11-2022	247	159	46	25	11	Cloudy / Calm
22-11-2022	23-11-2022	256	167	49	24	12	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	153	67	40	17	BDL	Cloudy / Calm
22-11-2022	23-11-2022	159	69	34	19	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	136	63	36	18	BDL	Cloudy / Calm
22-11-2022	23-11-2022	142	67	38	19	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 : 17.11.2022 TO 15.12.2022

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
22-11-2022	7.63	18	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

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

PROJECT OFFICE: NION1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	54.2	53.4
NOV'22	26-11-2022	55.2	54.4
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	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/5	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

SUBSTATION NKCA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	358	194	64	24	12	Cloudy / Calm
22-11-2022	23-11-2022	336	180	61	26	13	Cloudy / Lightbreeze
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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	127	61	33	15	BDL	Cloudy / Calm
22-11-2022	23-11-2022	134	65	35	17	BDL	Cloudy / Lightbreeze
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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	153	67	40	17	BDL	Cloudy / Calm
22-11-2022	23-11-2022	159	69	34	19	BDL	Cloudy / Lightbreeze
		-	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	06-11-2022	136	63	36	18	BDL	Cloudy / Calm
22-11-2022	23-11-2022	142	67	38	19	BDL	Cloudy / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

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
22-11-2022	7.98	32	96	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: NKC1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	66.2	65.5
NOV'22	26-11-2022	66.3	65.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(KAMPTEE): NKC2			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	42.5	41.6
NOV'22	26-11-2022	42.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/6	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

COLLIERY MANAGER OFFICE NPTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	335	204	62	27	15	Clear Sky / Calm
17-11-2022	18-11-2022	321	190	57	24	13	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SADBHAVAN NAGAR (FILTER PLANT) NPTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	162	58	35	16	BDL	Clear Sky / Calm
17-11-2022	18-11-2022	153	54	31	14	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

NEAR LCH QR. NPTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	179	71	35	19	BDL	Clear Sky / Calm
17-11-2022	18-11-2022	160	67	32	17	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

SAVARMENDHA VILLAGE. NPTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	134	63	29	19	BDL	Clear Sky / Calm
17-11-2022	18-11-2022	145	66	34	17	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(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 :	17.11.2022 TO 15.12.2022

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
18-11-2022	7.74	16	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	 EC-7182
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NOISE LEVEL MONITORING DATA

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

CHP: NPTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	67.3	66.5
NOV'22	26-11-2022	67.3	66.6
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
NOV'22	07-11-2022	42.2	41.4
NOV'22	26-11-2022	42.2	41.4
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/NOV-22/7	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

NEAR MAGZINE / MANAGER OFFICE NPUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	325	174	56	24	12	Cloudy sky / Calm
17-11-2022	18-11-2022	337	185	58	26	14	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

IN ZONE- 4 NPUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	273	168	46	23	BDL	Cloudy sky / Calm
17-11-2022	18-11-2022	289	176	51	21	BDL	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT NPUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	142	56	31	21	BDL	Cloudy sky / Calm
17-11-2022	18-11-2022	149	63	35	17	BDL	Clear sky / Calm
NAAQS, 2009		-	100	60	80	80	

SHIV MANDIR NPUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-11-2022	03-11-2022	131	58	33	15	BDL	Cloudy sky / Calm
17-11-2022	18-11-2022	138	64	38	18	BDL	Clear sky / Calm
NAAQS, 2009		-	100	60	80	80	


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

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

FAN HOUSE: NPUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	60.2	59.3
NOV'22	26-11-2022	60.4	59.5
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	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/8	DATE OF ISSUE	30-12-2022
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:	17/11/22 TO 15/12/22	

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	
02-11-2022	03-11-2022	5	5	2	6	10	Clear Sky / Lightbreeze
16-11-2022	17-11-2022	321	183	58	24	14	
16-11-2022	17-11-2022	334	189	61	26	16	Clear Sky / Lightbreeze
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	
02-11-2022	03-11-2022	5	5	2	6	10	Clear Sky / Lightbreeze
16-11-2022	17-11-2022	253	160	50	23	11	
16-11-2022	17-11-2022	269	169	57	25	14	Clear Sky / Lightbreeze
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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-11-2022	03-11-2022	5	5	2	6	10	Clear Sky / Lightbreeze
16-11-2022	17-11-2022	152	62	34	19	BDL	
16-11-2022	17-11-2022	163	66	37	21	BDL	Clear Sky / Lightbreeze
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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-11-2022	03-11-2022	5	5	2	6	10	Clear Sky / Lightbreeze
16-11-2022	17-11-2022	141	59	32	20	BDL	
16-11-2022	17-11-2022	150	62	38	17	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(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 : 17.11.2022 TO 15.12.2022

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
16-11-2022	8.2	18	52	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
16-11-2022	8.51	22	40	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
16-11-2022	8.1	14	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-I: NSNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	69.4	68.6
NOV'22	26-11-2022	69.4	68.6
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	20
NOV'22	07-11-2022	69.3	68.8
NOV'22	26-11-2022	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	20
NOV'22	07-11-2022	69.5	68.7
NOV'22	26-11-2022	68.5	68.2
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	20
NOV'22	07-11-2022	42.4	41.6
NOV'22	26-11-2022	42.4	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/9	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

WATER FILTER FLANT NSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
02-11-2022	03-11-2022	308	164	52	21	11	Cloudy / Calm
26-11-2022	27-11-2022	325	171	56	24	13	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

V.T.C. SILEWARA NSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
02-11-2022	03-11-2022	257	160	56	26	13	Cloudy / Calm
26-11-2022	27-11-2022	264	174	58	24	15	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANDIR NEAR KANHAN RIVER NSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
02-11-2022	03-11-2022	123	59	31	16	BDL	Cloudy / Calm
26-11-2022	27-11-2022	134	65	34	18	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

CHANKAPUR PUMP HOUSE/ COLONY NSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
02-11-2022	03-11-2022	157	72	38	20	BDL	Cloudy / Calm
26-11-2022	27-11-2022	139	66	35	17	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 :	17.11.2022 TO 15.12.2022

MINE WATER DISCHARGE: NSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
26-11-2022	7.85	22	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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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: NSUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	69.2	68.4
NOV'22	26-11-2022	69.2	68.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SILEWARA): NSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	42.3	41.5
NOV'22	26-11-2022	42.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/10	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
03-11-2022	04-11-2022	334	192	57	24	12	Cloudy / Calm
25-11-2022	26-11-2022	345	198	59	26	14	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	157	69	37	19	BDL	Cloudy / Calm
25-11-2022	26-11-2022	142	63	32	16	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	145	72	38	19	BDL	Cloudy / Calm
25-11-2022	26-11-2022	132	67	34	16	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-11-2022	04-11-2022	139	64	38	17	BDL	Cloudy / Calm
25-11-2022	26-11-2022	120	51	32	15	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 : 17.11.2022 TO 15.12.2022

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
25-11-2022	7.92	32	60	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

CONTRACTOR CAMP:		NSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	57.2	56.5
NOV'22	26-11-2022	56.4	55.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SOHALI VILLAGE:		NSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	42.3	41.6
NOV'22	26-11-2022	42.2	41.6
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	20
NOV'22	07-11-2022	67.3	66.4
NOV'22	26-11-2022	68.3	67.5
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	20
NOV'22	07-11-2022	66.2	65.5
NOV'22	26-11-2022	67.4	66.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/11	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
12-11-2022	13-11-2022	5	5	2	6	10	Cloudy / Calm
20-11-2022	21-11-2022	246	158	52	18	BDL	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	
11-11-2022	12-11-2022	5	5	2	6	10	Cloudy / Calm
19-11-2022	20-11-2022	259	159	51	19	BDL	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-11-2022	13-11-2022	5	5	2	6	10	Cloudy / Calm
20-11-2022	21-11-2022	128	69	34	13	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-11-2022	13-11-2022	5	5	2	6	10	Cloudy / Calm
20-11-2022	21-11-2022	132	72	36	13	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 :	17.11.2022 TO 15.12.2022

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
20-11-2022	7.7	58	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM3OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
20-11-2022	7.75	48	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)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'2022	14-11-2022	54.2	53.5
NOV'2022	28-11-2022	54.3	53.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

GOKUL OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



NOV - 2022

Environment Laboratory

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/12	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
		5	5	2	6	10	
08-11-2022	09-11-2022	268	189	52	19	BDL	Cloudy / Calm
17-11-2022	18-11-2022	306	206	60	21	BDL	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
07-11-2022	08-11-2022	122	68	31	13	BDL	Cloudy / Calm
08-11-2022	09-11-2022	131	71	34	14	BDL	Cloudy / Calm
13-11-2022	14-11-2022	126	66	27	12	BDL	Cloudy / Calm
14-11-2022	15-11-2022	133	72	32	14	BDL	Cloudy / Calm
16-11-2022	17-11-2022	142	81	38	14	BDL	Clear / Calm
17-11-2022	18-11-2022	138	76	36	13	BDL	Clear / Calm
27-11-2022	28-11-2022	141	81	39	12	BDL	Cloudy / Calm
28-11-2022	29-11-2022	134	84	42	14	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
07-11-2022	08-11-2022	122	67	27	12	BDL	Cloudy / Calm
08-11-2022	09-11-2022	124	68	31	12	BDL	Cloudy / Calm
13-11-2022	14-11-2022	118	74	32	13	BDL	Cloudy / Calm
14-11-2022	15-11-2022	124	61	38	14	BDL	Cloudy / Calm
16-11-2022	17-11-2022	132	82	42	13	BDL	Clear / Calm
17-11-2022	18-11-2022	142	88	36	14	BDL	Clear / Calm
27-11-2022	28-11-2022	146	83	40	14	BDL	Cloudy / Calm
28-11-2022	29-11-2022	138	80	42	15	BDL	Clear / Calm
NAAQS, 2009		-	100	60	80	80	

POLGAON VILLAGE		UGOA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
07-11-2022	08-11-2022	121	69	31	12	BDL	Cloudy / Calm
08-11-2022	09-11-2022	127	63	33	13	BDL	Cloudy / Calm
13-11-2022	14-11-2022	133	69	30	12	BDL	Cloudy / Calm
14-11-2022	15-11-2022	128	71	32	14	BDL	Cloudy / Calm
16-11-2022	17-11-2022	140	84	34	14	BDL	Clear / Calm
17-11-2022	18-11-2022	144	83	38	15	BDL	Clear / Calm
27-11-2022	28-11-2022	138	82	39	13	BDL	Clear / Calm
28-11-2022	29-11-2022	132	88	37	14	BDL	Clear / Calm
NAAQS, 2009		-	100	60	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 : 17.11.2022 TO 15.12.2022

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
28-11-2022	8.34	50	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): UGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
28-11-2022	7.82	46	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'2022	14-11-2022	55.2	54.5
NOV'2022	28-11-2022	54.4	53.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CONTRACTOR CAMP: UGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'2022	14-11-2022	56.3	55.6
NOV'2022	28-11-2022	56.2	55.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-II OC

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/14	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
11-11-2022	12-11-2022	5	5	2	6	10	Cloudy / Calm
18-11-2022	19-11-2022	251	164	51	20	BDL	Clear / 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	
11-11-2022	12-11-2022	5	5	2	6	10	Cloudy / Calm
19-11-2022	20-11-2022	261	158	54	20	BDL	Clear / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE		UMOA3					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	
14-11-2022	15-11-2022	5	5	2	6	10	Cloudy / Calm
28-11-2022	29-11-2022	126	72	31	13	BDL	Clear / Calm
NAAQS, 2009		-	100	60	80	80	

NEAR PUMP HOUSE COLONY		UMOA4					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	
07-11-2022	08-11-2022	5	5	2	6	10	Cloudy / Calm
16-11-2022	17-11-2022	124	71	32	14	BDL	Clear / Calm
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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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			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	DAY TIME
		20	20
NOV'22	14-11-2022	55.4	54.6
NOV'22	28-11-2022	55.4	54.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/34	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	256	154	53	19	BDL	Cloudy / Calm
18-11-2022	19-11-2022	282	188	62	21	BDL	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	128	68	34	13	BDL	Cloudy / Calm
18-11-2022	19-11-2022	141	84	42	15	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	130	74	31	14	BDL	Cloudy / Calm
19-11-2022	20-11-2022	144	83	44	16	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	120	73	32	15	BDL	Cloudy / Calm
19-11-2022	20-11-2022	143	88	34	16	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-11-2022	12-11-2022	128	73	30	14	BDL	Cloudy / Calm
18-11-2022	19-11-2022	142	87	37	16	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 :	17.11.2022 TO 15.12.2022

MINE WATER DISCHARGE: UM10W1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
19-11-2022	7.74	52	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM10W2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
19-11-2022	8.34	48	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: UM10N1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'2022	14-11-2022	54.3	53.5
NOV'2022	28-11-2022	54.2	53.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'2022	14-11-2022	42.4	41.6
NOV'2022	28-11-2022	42.3	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'2022	14-11-2022	42.5	41.7
NOV'2022	28-11-2022	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	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/15	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

NEAR PIT OFFICE UMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
10-11-2022	11-11-2022	248	152	51	19	BDL	Cloudy / Calm
21-11-2022	22-11-2022	292	192	62	21	BDL	Clear / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR MAGAZINE BUILDING UMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
10-11-2022	11-11-2022	254	160	52	18	BDL	Cloudy / Calm
21-11-2022	22-11-2022	292	183	61	20	BDL	Clear / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MURPAR UG) UMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
10-11-2022	11-11-2022	130	74	31	14	BDL	Cloudy / Calm
21-11-2022	22-11-2022	142	92	36	15	BDL	Clear / Calm
NAAQS, 2009		-	100	60	80	80	

MORPAR VILLAGE UMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
10-11-2022	11-11-2022	126	69	31	13	BDL	Cloudy / Calm
21-11-2022	22-11-2022	142	78	37	14	BDL	Clear / Calm
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

MINE WATER DISCHARGE: UMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
21-11-2022	7.84	54	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE:		UMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	Night time
	DETECTION LIMIT	20	20
NOV'2022	10-11-2022	69.2	68.5
NOV'2022	21-11-2022	69.4	68.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	Night time
	DETECTION LIMIT	20	20
NOV'2022	10-11-2022	42.3	41.6
NOV'2022	21-11-2022	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	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/16	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-11-2022	14-11-2022	234	158	51	18	BDL	Cloudy / Calm
27-11-2022	28-11-2022	292	192	60	19	BDL	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-11-2022	09-11-2022	242	168	58	17	BDL	Cloudy / Calm
17-11-2022	18-11-2022	279	182	60	18	BDL	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14-11-2022	15-11-2022	126	72	31	13	BDL	Cloudy / Calm
28-11-2022	29-11-2022	148	88	42	14	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-11-2022	08-11-2022	124	71	32	14	BDL	Cloudy / Calm
16-11-2022	17-11-2022	138	94	39	14	BDL	Clear / Calm
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

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
28-11-2022	8.34	54	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
28-11-2022	8.15	62	48	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
28-11-2022	62	11.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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NOISE LEVEL MONITORING DATA

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

CHP: UJON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
	NOV'2022	14-11-2022	66.4
NOV'2022	28-11-2022	66.3	65.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY UJON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
	NOV'2022	14-11-2022	42.2
NOV'2022	28-11-2022	42.4	41.6
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/NOV-22/17	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	232	150	48	8	BDL	CLEAR SKY / LIGHTBREEZE
20-11-2022	21-11-2022	222	142	52	10	BDL	CLEAR SKY / LIGHTBREEZE
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	
06-11-2022	07-11-2022	246	156	52	12	BDL	CLEAR SKY / LIGHTBREEZE
21-11-2022	22-11-2022	240	148	56	10	BDL	CLEAR SKY / LIGHTBREEZE
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	
09-11-2022	10-11-2022	118	68	28	12	BDL	CLEAR SKY / LIGHTBREEZE
20-11-2022	21-11-2022	116	62	32	10	BDL	CLEAR SKY / LIGHTBREEZE
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	
06-11-2022	07-11-2022	120	64	26	12	10	CLEAR SKY / LIGHTBREEZE
21-11-2022	22-11-2022	110	52	30	14	12	CLEAR SKY / LIGHTBREEZE
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

CHP:		WGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	07-11-2022	66.6	62.9
NOV'22	20-11-2022	65.7	63.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS):		WGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	07-11-2022	45.3	43.4
NOV'22	20-11-2022	46.2	43.7
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/NOV-22/18	DATE OF ISSUE	30-12-2022
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:	17/11/22 TO 15/12/22	

MANAGER OFFICE WKOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-11-2022	09-11-2022	248	164	70	18	14	Clear Sky / Lightbreeze
20-11-2022	21-11-2022	242	158	66	16	12	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE WMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-11-2022	09-11-2022	270	166	56	14	12	Clear Sky / Lightbreeze
18-11-2022	19-11-2022	252	50	62	12	10	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KOLGAON VILLAGE WKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-11-2022	09-11-2022	122	74	32	12	10	Clear Sky / Lightbreeze
20-11-2022	21-11-2022	120	70	30	14	12	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

KAILSHNAGAR TOWNSHIP - FILTER PLANT WMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-11-2022	10-11-2022	126	68	30	16	14	Clear Sky / Lightbreeze
19-11-2022	20-11-2022	122	58	28	14	12	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(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 : 17.11.2022 TO 15.12.2022

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
16-11-2022	8.07	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

MANAGER OFFICE: WKON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	55.4	52.4
NOV'22	20-11-2022	52.7	51.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI): WKON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	46.2	44.9
NOV'22	20-11-2022	45.6	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/NOV-22/19	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
09-11-2022	10-11-2022	266	154	48	12	BDL	Clear Sky / Lightbreeze
18-11-2022	19-11-2022	242	136	32	12	10	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
08-11-2022	09-11-2022	270	166	56	14	12	Clear Sky / Lightbreeze
18-11-2022	19-11-2022	252	150	62	12	10	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	126	68	30	16	14	Clear Sky / Lightbreeze
19-11-2022	20-11-2022	122	58	28	14	12	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

TUBEWELL NEAR SAKHARA VILLAGE WMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-11-2022	09-11-2022	136	62	36	16	12	Clear Sky / Lightbreeze
19-11-2022	20-11-2022	130	56	38	14	12	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

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
22-11-2022	7.4	30	28	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
22-11-2022	6.56	38	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

CHP: WMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	67.4	65.7
NOV'22	20-11-2022	66.7	64.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI): WMON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	46.2	44.9
NOV'22	20-11-2022	45.6	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/20	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
06-11-2022	07-11-2022	248	140	46	14	10	Clear Sky / Lightbreeze
22-11-2022	23-11-2022	252	146	40	14	12	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
05-11-2022	06-11-2022	272	168	56	16	14	Clear Sky / Lightbreeze
22-11-2022	23-11-2022	256	172	46	16	14	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
06-11-2022	07-11-2022	120	70	36	16	12	Clear Sky / Lightbreeze
21-11-2022	22-11-2022	126	62	32	18	16	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

FILTER PLANT NEAR VIP GUEST HOUSE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
06-11-2022	07-11-2022	132	60	48	16	12	Clear Sky / Lightbreeze
21-11-2022	22-11-2022	138	66	42	14	12	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(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 : 17.11.2022 TO 15.12.2022

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
20-11-2022	3.14	50	32	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
21-11-2022	4	32	24	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10




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: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	07-11-2022	65.7	63.8
NOV'22	20-11-2022	64.7	62.8
NOISE POLLUTION (REGULATION AND		75	70

COLONY(GHUGUS): WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	07-11-2022	45.3	43.4
NOV'22	20-11-2022	46.2	43.7
NOISE POLLUTION (REGULATION AND		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/21	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM ₅	PM ₁₀ ₅	PM _{2.5} ₂	NO ₂ ₆	SO ₂ ₁₀	
05-11-2022	06-11-2022	242	162	52	12	BDL	Clear Sky / Lightbreeze
22-11-2022	23-11-2022	246	166	50	14	12	Cloudy Sky / Lightbreeze
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 ₅	PM ₁₀ ₅	PM _{2.5} ₂	NO ₂ ₆	SO ₂ ₁₀	
05-11-2022	06-11-2022	272	168	56	16	14	Clear Sky / Lightbreeze
22-11-2022	23-11-2022	256	172	46	16	14	Cloudy Sky / Lightbreeze
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 ₅	PM ₁₀ ₅	PM _{2.5} ₂	NO ₂ ₆	SO ₂ ₁₀	
05-11-2022	06-11-2022	128	76	30	16	14	Clear Sky / Lightbreeze
22-11-2022	23-11-2022	118	56	28	12	10	Cloudy Sky / Lightbreeze
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 ₅	PM ₁₀ ₅	PM _{2.5} ₂	NO ₂ ₆	SO ₂ ₁₀	
05-11-2022	06-11-2022	122	72	26	12	BDL	Clear Sky / Lightbreeze
22-11-2022	23-11-2022	132	68	28	14	12	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

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
19-11-2022	3.42	48	16	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
19-11-2022	6.49	20	32	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
19-11-2022	38	10.2
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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

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

CHP-NILJAI:		WNON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	66.7	64.7
NOV'22	20-11-2022	65.8	63.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP-NILJAI(S):		WNON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	45	43.8
NOV'22	20-11-2022	46.6	44.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(NILJAI):		WNON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	63.2	62
NOV'22	20-11-2022	47.3	45.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/22	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-11-2022	08-11-2022	242	140	56	16	12	Clear Sky / Lightbreeze
18-11-2022	19-11-2022	228	156	60	14	12	Clear Sky / Lightbreeze
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	
07-11-2022	08-11-2022	256	160	58	14	12	Clear Sky / Lightbreeze
18-11-2022	19-11-2022	266	152	68	16	14	Clear Sky / Lightbreeze
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	
07-11-2022	08-11-2022	124	67	30	12	10	Clear Sky / Lightbreeze
19-11-2022	20-11-2022	122	72	26	12	BDL	Clear Sky / Lightbreeze
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	
07-11-2022	08-11-2022	110	60	28	12	10	Clear Sky / Lightbreeze
19-11-2022	20-11-2022	118	52	38	BDL	10	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
23-11-2022	8.02	36	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

NEAR WORKSHOP: WPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	57	54.6
NOV'22	20-11-2022	57.3	54.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/23	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

PROJECT MANAGER OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	244	138	50	16	14	Clear Sky / Calm
21-11-2022	22-11-2022	210	126	42	16	12	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


SAM OFFICE/ CANTEEN WNKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	218	122	46	18	16	Clear Sky / Calm
21-11-2022	22-11-2022	214	130	40	14	12	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GHONSA VILLAGE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	122	70	36	10	BDL	Clear Sky / Calm
21-11-2022	22-11-2022	128	68	42	12	BDL	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

GUEST HOUSE/ COLONY WNKUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	210	140	42	16	14	Clear Sky / Calm
21-11-2022	22-11-2022	238	136	34	14	12	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
21-11-2022	7.67	38	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

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

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

MANAGER OFFICE: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	10-11-2022	59.9	58.3
NOV'22	23-11-2022	57.7	56.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (GHONSA) WNGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	10-11-2022	46.1	45.8
NOV'22	23-11-2022	46.1	45.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/24	DATE OF ISSUE	30-12-2022
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:	17/11/22 TO 15/12/22	

SAM OFFICE WNJOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-11-2022	10-11-2022	180	112	68	12	BDL	Cloudy Sky / Calm
20-11-2022	21-11-2022	168	110	64	16	14	Clear Sky / Moderate Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
09-11-2022	10-11-2022	140	88	32	10	BDL	Cloudy Sky / Calm
20-11-2022	21-11-2022	132	70	28	BDL	10	Clear Sky / Moderate Breeze
NAAQS, 2009		-	100	60	80	80	

BHALAR TOWNSHIP WNJOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04-11-2022	05-11-2022	134	64	36	14	12	Clear Sky / Lightbreeze
23-11-2022	24-11-2022	128	52	32	16	14	Clear Sky / Moderate Breeze
NAAQS, 2009		-	100	60	80	80	

UKNI VILLAGE WNJOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
04-11-2022	05-11-2022	128	76	40	16	14	Clear Sky / Lightbreeze
23-11-2022	24-11-2022	120	68	36	12	BDL	Clear Sky / Moderate Breeze
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

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
20-11-2022	7.71	22	44	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
20-11-2022	7.44	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	 TC-7182
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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: WNJON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	07-11-23022	53.4	52.5
NOV'22	20-11-2022	53.4	52.6
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
NOV'22	07-11-23022	46.3	45.2
NOV'22	20-11-2022	46.2	45.4
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	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/25	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

SUBSTATION KOLARPIMPRI WNKOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
04-11-2022	05-11-2022	178	102	40	14	12	Clear Sky / Lightbreeze
23-11-2022	24-11-2022	180	100	42	16	14	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

REST SHELTER WNKOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
03-11-2022	04-11-2022	210	116	50	16	14	Cloudy Sky / Lightbreeze
17-11-2022	18-11-2022	220	108	46	14	12	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIMPRI VILLAGE WNKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
02-11-2022	03-11-2022	120	68	30	12	10	Clear Sky / Lightbreeze
16-11-2022	17-11-2022	114	60	26	BDL	10	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

WATER FILTER FLANT WNPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
09-11-2022	10-11-2022	210	116	32	14	12	Clear Sky / Lightbreeze
20-11-2022	21-11-2022	212	100	30	14	10	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(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 :	17.11.2022 TO 15.12.2022

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
17-11-2022	4.93	46	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

CHP: WNKON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	65.6	64.7
NOV'22	20-11-2022	64.6	63.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	07-11-2022	44.7	43.8
NOV'22	20-11-2022	44.6	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7192
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TEST REPORT NO.	RIN/TR/NOV-22/27	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

SAM OFFICE WNPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	246	130	52	14	12	Clear / Calm
20-11-2022	21-11-2022	238	126	48	14	10	Clear Sky / Moderate Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	152	96	48	16	14	Clear / Calm
20-11-2022	21-11-2022	140	78	42	14	12	Clear Sky / Moderate Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

WATER FILTER PLANT PRAGATI NAGAR WNPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	210	116	32	14	12	Clear / Calm
20-11-2022	21-11-2022	212	100	30	14	10	Clear Sky / Moderate 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	140	88	32	10	BDL	Clear / Calm
20-11-2022	21-11-2022	132	70	28	BDL	10	Clear Sky / Moderate 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

CHP: WNPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	07-11-2022	64.8	64.2
NOV'22	20-11-2022	62.7	62.5
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
NOV'22	07-11-2022	44.7	43.8
NOV'22	20-11-2022	44.6	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/28	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

NEAR BANDEWADA INCLINE WNRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-11-2022	12-11-2022	260	132	52	12	BDL	Clear Sky / Calm
22-11-2022	23-11-2022	272	138	60	BDL	10	Clear Sky / Modratebreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


SAM OFFICE WNRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-11-2022	12-11-2022	236	126	64	18	14	Clear Sky / Calm
22-11-2022	23-11-2022	224	142	60	16	14	Clear Sky / Modratebreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE WNRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-11-2022	12-11-2022	192	104	46	12	10	Clear Sky / Calm
22-11-2022	23-11-2022	180	90	40	14	BDL	Clear Sky / Modratebreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HUTMENT WNRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-11-2022	12-11-2022	128	72	40	12	BDL	Clear Sky / Calm
22-11-2022	23-11-2022	126	70	36	14	12	Clear Sky / Modratebreeze
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 : 17.11.2022 TO 15.12.2022

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
22-11-2022	7.97	30	60	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:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	10-11-2022	58.9	57.4
NOV'22	23-11-2022	59.7	58.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	10-11-2022	47.6	46.3
NOV'22	23-11-2022	47.5	46.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/29	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

WORKSHOP PREMISES WNUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-11-2022	05-11-2022	240	140	60	20	16	Clear Sky / Calm
23-11-2022	24-11-2022	236	130	56	16	14	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-11-2022	05-11-2022	134	64	36	14	12	Clear Sky / Lightbreeze
23-11-2022	24-11-2022	128	52	32	16	14	Clear Sky / Lightbreeze
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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-11-2022	05-11-2022	128	76	40	16	14	Clear Sky / Lightbreeze
23-11-2022	24-11-2022	120	68	36	12	BDL	Clear Sky / Lightbreeze
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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02-11-2022	03-11-2022	120	68	30	12	10	Clear Sky / Lightbreeze
16-11-2022	17-11-2022	114	60	26	BDL	10	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
18-11-2022	6.33	28	52	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
18-11-2022	7.44	36	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP DISCHARGE: WNUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
18-11-2022	30	11
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: WNUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	07-11-2022	64.7	64.4
NOV'22	20-11-2022	63.7	63.2
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
NOV'22	07-11-2022	46.3	45.2
NOV'22	20-11-2022	46.2	45.4
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. 4634420034



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/30	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22


NEAR RAILWAY SIDING WNRSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
02-11-2022	03-11-2022	160	94	52	12	10	Clear Sky / Lightbreeze
03-11-2022	04-11-2022	168	110	56	BDL	12	Cloudy Sky / Lightbreeze
10-11-2022	11-11-2022	180	124	60	10	BDL	Clear Sky / Lightbreeze
11-11-2022	12-11-2022	186	128	50	14	12	Clear Sky / Lightbreeze
16-11-2022	17-11-2022	160	90	56	16	14	Clear Sky / Lightbreeze
17-11-2022	18-11-2022	168	100	58	14	12	Clear Sky / Lightbreeze
24-11-2022	25-11-2022	158	96	60	14	12	Clear Sky / Lightbreeze
25-11-2022	26-11-2022	172	110	62	12	BDL	Clear Sky / Lightbreeze
TLV		600	300	-	120	120	

VITTALWADI WNRSA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
02-11-2022	03-11-2022	118	66	36	12	10	Clear Sky / Lightbreeze
03-11-2022	04-11-2022	126	70	40	14	12	Cloudy Sky / Lightbreeze
10-11-2022	11-11-2022	140	76	48	14	10	Clear Sky / Lightbreeze
11-11-2022	12-11-2022	110	50	32	12	BDL	Clear Sky / Lightbreeze
16-11-2022	17-11-2022	130	70	46	14	12	Clear Sky / Lightbreeze
17-11-2022	18-11-2022	138	68	42	14	10	Clear Sky / Lightbreeze
24-11-2022	25-11-2022	136	72	50	14	12	Clear Sky / Lightbreeze
25-11-2022	26-11-2022	142	70	40	14	10	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

PRAGATI NAGAR WNRSA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
02-11-2022	03-11-2022	118	52	32	12	BDL	Clear Sky / Lightbreeze
03-11-2022	04-11-2022	126	62	34	10	BDL	Cloudy Sky / Lightbreeze
10-11-2022	11-11-2022	132	72	42	14	12	Clear Sky / Lightbreeze
11-11-2022	12-11-2022	126	66	36	16	14	Clear Sky / Lightbreeze
16-11-2022	17-11-2022	130	60	28	14	12	Clear Sky / Lightbreeze
17-11-2022	18-11-2022	132	66	32	16	14	Clear Sky / Lightbreeze
24-11-2022	25-11-2022	138	58	30	12	10	Clear Sky / Lightbreeze
25-11-2022	26-11-2022	148	60	36	14	12	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-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
		20	20
	DETECTION LIMIT		
NOV'22	07-11-2022	56.2	54.8
NOV'22	20-11-2022	56.6	56.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NEAR INCHARGE OFFICE: WNRSN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
	DETECTION LIMIT		
NOV'22	07-11-2022	54.6	53.4
NOV'22	20-11-2022	53.7	53.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

CWS TADALI

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WESTERN COALFIELDS LTD.


JOB NO. 4634420034



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/53	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
05-11-2022	06-11-2022	228	128	32	10	BDL	Clear Sky / Light Breeze
24-11-2022	25-11-2022	234	124	28	11	BDL	Clear Sky / Modratebreeze
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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	132	38	26	8	BDL	Clear Sky / Light Breeze
24-11-2022	25-11-2022	122	32	22	7	BDL	Clear Sky / Modratebreeze
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	
05-11-2022	06-11-2022	128	36	24	7	BDL	Clear Sky / Light Breeze
24-11-2022	25-11-2022	120	30	20	6	BDL	Clear Sky / Modratebreeze
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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	132	34	28	8	BDL	Clear Sky / Light Breeze
24-11-2022	25-11-2022	128	32	22	7	BDL	Clear Sky / Modratebreeze
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 :	17.11.2022 TO 15.12.2022

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
24-11-2022	6.13	24	32	2.6
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

NEAR WORKSHOP: CWSN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	09-11-2022	56.8	55.4
NOV'22	22-11-2022	56.4	55.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(CWS): CWSN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	09-11-2022	46.2	45.1
NOV'22	22-11-2022	47.4	46.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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TEST REPORT NO.	RIN/TR/NOV-22/67	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
11-11-2022	12-11-2022	302	192	44	17	11	CLOUDY / CALM
25-11-2022	26-11-2022	324	211	47	15	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE- MOHAN KAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-11-2022	12-11-2022	293	188	42	16	11	CLOUDY / CALM
25-11-2022	26-11-2022	260	167	37	18	10	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER KMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-11-2022	12-11-2022	132	88	28	9	BDL	CLOUDY / CALM
26-11-2022	27-11-2022	124	97	24	10	BDL	CLEAR / CALM
NAAQS, 2009		-	100	60	80	80	

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-11-2022	12-11-2022	127	82	24	10	BDL	CLOUDY / CALM
26-11-2022	27-11-2022	134	96	29	8	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 :	17.11.2022 TO 15.12.2022

MINE WATER DISCHARGE: KAOW				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
25-11-2022	7.10	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: KAON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	11-11-2022	50.4	49.8
NOV'22	26-11-2022	52.7	52.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN/MAORI): KMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	11-11-2022	42.8	42.2
NOV'22	26-11-2022	43.6	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/69	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

AREA WORKSHOP KAWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11-11-2022	12-11-2022	240	155	36	15	12	CLEAR / CALM
26-11-2022	27-11-2022	268	173	41	13	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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

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

MONTH	WORK SHOP PREMI	KAWN1	
	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	11-11-2022	50.8	50.2
NOV'22	26-11-2022	51.6	51.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

JHARNA/ GHORAWARI UG

KANHAN AREA 

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/71	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

MANAGER OFFICE- JHARNA UG KJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-11-2022	11-11-2022	242	156	43	14	BDL	CLEAR/ CALM
25-11-2022	26-11-2022	257	167	49	16	12	CLEAR/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI KJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-11-2022	11-11-2022	217	129	40	13	BDL	CLEAR/ CALM
25-11-2022	26-11-2022	237	149	46	16	BDL	CLEAR/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA KJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-11-2022	11-11-2022	98	64	21	8	BDL	CLEAR/ CALM
25-11-2022	26-11-2022	111	75	27	9	BDL	CLEAR/ CALM
NAAQS, 2009		-	100	60	80	80	

PANARA VILLAGE KJUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-11-2022	11-11-2022	118	72	27	9	BDL	CLEAR/ CALM
25-11-2022	26-11-2022	130	89	30	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: KJUN1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	11-11-2022	48.6	47
NOV'22	26-11-2022	43.7	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KJUN1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	11-11-2022	42.7	42.1
NOV'22	26-11-2022	42.7	42.4
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	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/72	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

SAM OFFICE KAUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-11-2022	12-11-2022	270	172	43	16	11	CLEAR / LIGHTBREEZE
25-11-2022	26-11-2022	292	199	49	17	15	CLEAR / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT-OFFICE-MOHAN KAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-11-2022	12-11-2022	293	188	42	16	11	CLEAR / LIGHTBREEZE
25-11-2022	26-11-2022	260	167	37	18	10	CLEAR / LIGHTBREEZE
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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-11-2022	12-11-2022	132	88	28	9	BDL	CLEAR / LIGHTBREEZE
26-11-2022	27-11-2022	124	97	24	10	BDL	CLEAR / LIGHTBREEZE
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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-11-2022	12-11-2022	127	82	24	10	BDL	CLEAR / LIGHTBREEZE
26-11-2022	27-11-2022	134	96	29	8	BDL	CLEAR / LIGHTBREEZE
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

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	11-11-2022	69.5	68.7
NOV'22	26-11-2022	69.8	69.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN MAORI):		KMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	11-11-2022	42.8	42.2
NOV'22	26-11-2022	43.6	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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KANHAN AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/73	DATE OF ISSUE	30-12-2022
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:	17/11/22 TO 15/12/22	

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	
09-11-2022	10-11-2022	240	136	45	15	BDL	CLEAR / CALM
24-11-2022	25-11-2022	267	155	48	16	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE NANADAN II UG KNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	270	171	41	16	BDL	CLEAR / CALM
24-11-2022	25-11-2022	301	191	49	17	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HEALTH CENTER-NANADAN UG KNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	101	70	23	8	BDL	CLEAR / CALM
24-11-2022	25-11-2022	122	82	25	9	BDL	CLEAR / CALM
NAAQS, 2009		-	100	60	80	80	

NANDAN WATER FILTER PLANT KNWA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	131	82	24	9	BDL	CLEAR / CALM
24-11-2022	25-11-2022	144	93	27	8	BDL	CLEAR / CALM
NAAQS, 2009		-	100	60	80	80	

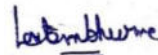
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

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
24-11-2022	7.81	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE UG II: KNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	11-11-2022	68.7	67.9
NOV'22	26-11-2022	70.7	70.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	11-11-2022	42.7	42.1
NOV'22	26-11-2022	43.5	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/74	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
		5	5	2	6	10	
08-11-2022	09-11-2022	301	188	36	17	12	CLEAR / CALM
23-11-2022	24-11-2022	329	201	31	15	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

LAMP ROOM KTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
08-11-2022	09-11-2022	322	190	48	15	12	CLEAR / CALM
23-11-2022	24-11-2022	340	211	42	17	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY NEAR HEALTH CENTER KTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
08-11-2022	09-11-2022	120	71	26	9	BDL	CLEAR / CALM
23-11-2022	24-11-2022	137	88	22	10	BDL	CLEAR / CALM
NAAQS, 2009		-	100	60	80	80	

JET HOSTEL KTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
08-11-2022	09-11-2022	119	62	22	10	BDL	CLEAR / CALM
23-11-2022	24-11-2022	132	77	25	9	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 :	17.11.2022 TO 15.12.2022

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
23-11-2022	7.75	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB 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
NOV'22	11-11-2022	72.2	71.7
NOV'22	26-11-2022	72.5	72.2
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
NOV'22	11-11-2022	42.5	41.8
NOV'22	26-11-2022	43.6	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	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/70	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
11-11-2022	12-11-2022	283	167	47	16	12	CLEAR / CALM
26-11-2022	27-11-2022	299	183	50	15	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI KJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	217	129	40	13	BDL	CLEAR / CALM
25-11-2022	26-11-2022	237	149	46	16	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA KJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	98	64	21	8	BDL	CLEAR / CALM
25-11-2022	26-11-2022	111	75	27	9	BDL	CLEAR / CALM
NAAQS, 2009		-	100	60	80	80	

PANARA VILLAGE KJUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	118	72	27	9	BDL	CLEAR / CALM
25-11-2022	26-11-2022	130	89	30	10	BDL	CLEAR / CALM
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
26-11-2022	7.61	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	 TC-7182
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NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE:		KGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	NOV'22	11-11-2022	42.7
NOV'22	26-11-2022	46.7	46.6
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
	NOV'22	11-11-2022	42.7
NOV'22	26-11-2022	42.7	42.4
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. 4634420035




NOV - 2022

Environment Laboratory

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/75	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

SUBSTATION- CHATTARPUR I UG PKCUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-11-2022	05-11-2022	345	201	45	17	14	Clear / Calm
19-11-2022	20-11-2022	254	187	41	14	10	Clear / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


SAM OFFICE PKCUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-11-2022	05-11-2022	278	168	40	15	BDL	Clear / Calm
19-11-2022	20-11-2022	255	182	45	12	11	Clear / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION-CHATTARPUR II UG PKCUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-11-2022	05-11-2022	290	199	35	16	14	Clear / Calm
19-11-2022	20-11-2022	260	167	42	14	BDL	Clear / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CHATTARPUR VILLAGE PKCUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-11-2022	05-11-2022	138	88	25	10	BDL	Clear / Calm
19-11-2022	20-11-2022	118	72	29	8	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 : 17.11.2022 TO 15.12.2022

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
20-11-2022	8.10	22	32	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
20-11-2022	8.02	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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

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

FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'22	07-11-2022	67.8	65.7
NOV'22	22-11-2022	72.4	71.8
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
NOV'22	07-11-2022	69.9	68
NOV'22	22-11-2022	72.6	72.1
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
NOV'22	07-11-2022	43.8	43.3
NOV'22	22-11-2022	43.7	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

SARNI UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




NOV - 2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/76	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	
07-11-2022	08-11-2022	281	172	37	15	10	CLEAR / CALM
22-11-2022	23-11-2022	253	159	34	17	14	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
07-11-2022	08-11-2022	247	148	34	16	10	CLEAR / CALM
22-11-2022	23-11-2022	263	162	38	14	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-11-2022	08-11-2022	127	86	23	8	BDL	CLEAR / CALM
22-11-2022	23-11-2022	107	70	26	10	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-11-2022	08-11-2022	130	88	25	10	BDL	CLEAR / CALM
22-11-2022	23-11-2022	111	74	29	9	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 :	17.11.2022 TO 15.12.2022

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
22-11-2022	7.76	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	07-11-2022	20	20
NOV'22	22-11-2022	67.9	66.9
NOV'22	22-11-2022	72.7	71.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SARNI):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	07-11-2022	20	20
NOV'22	22-11-2022	43.6	43
NOV'22	22-11-2022	43.6	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

SHOBHAPUR UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/77	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	240	155	34	15	BDL	CLEAR / CALM
20-11-2022	21-11-2022	261	170	30	17	BDL	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	258	167	36	16	12	CLEAR / CALM
20-11-2022	21-11-2022	239	154	31	14	BDL	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	109	69	22	9	BDL	CLEAR / CALM
20-11-2022	21-11-2022	129	75	28	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	101	71	24	8	BDL	CLEAR / CALM
20-11-2022	21-11-2022	122	82	28	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	07-11-2022	42.5	42.1
NOV'22	22-11-2022	56.4	56.3
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	NIHT TIME
NOV'22	07-11-2022	42.6	42.1
NOV'22	22-11-2022	43.7	43.4
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. 4634420035




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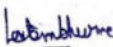
TEST REPORT NO.	RIN/TR/NOV-22/78	DATE OF ISSUE	30-12-2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), 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:		17/11/22 TO 15/12/22


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	
06-11-2022	07-11-2022	249	154	37	15	BDL	CLEAR / CALM
21-11-2022	22-11-2022	264	171	43	16	11	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
06-11-2022	07-11-2022	271	168	37	16	13	CLEAR / CALM
21-11-2022	22-11-2022	251	157	45	14	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	131	83	26	8	BDL	CLEAR / CALM
21-11-2022	22-11-2022	109	77	22	10	BDL	CLEAR / CALM
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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	119	73	25	8	BDL	CLEAR / CALM
21-11-2022	22-11-2022	131	88	29	10	BDL	CLEAR / CALM
NAAQS, 2009		-	100	60	80	80	


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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

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
22-11-2022	7.8	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-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	20
NOV'22	07-11-2022	62.9	62.1
NOV'22	22-11-2022	71.7	71
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

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WESTERN COALFIELDS LTD.

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/79	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	271	168	37	16	13	CLEAR / CALM
21-11-2022	22-11-2022	251	157	45	14	BDL	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	249	154	37	15	BDL	CLEAR / CALM
21-11-2022	22-11-2022	264	171	43	16	11	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	131	83	26	8	BDL	CLEAR / CALM
21-11-2022	22-11-2022	109	77	22	10	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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	119	73	25	8	BDL	CLEAR / CALM
21-11-2022	22-11-2022	131	88	29	10	BDL	CLEAR / CALM
NAAQS, 2009		-	100	60	80	80	

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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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 :	17.11.2022 TO 15.12.2022

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
22-11-2022	8.03	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-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
NOV'22	07-11-2022	69.9	69.1
NOV'22	22-11-2022	62.7	60.9
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
NOV'22	07-11-2022	43.8	43.4
NOV'22	22-11-2022	43.6	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/NOV-22/54	DATE OF ISSUE	30-12-2022		
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:		17/11/22 TO 15/12/22		

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	
12-11-2022	13-11-2022	291	184	58	21	BDL	CLEAR / LIGHTBREEZE
26-11-2022	27-11-2022	280	164	53	19	BDL	CLEAR / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
12-11-2022	13-11-2022	273	181	61	22	BDL	CLEAR / LIGHTBREEZE
26-11-2022	27-11-2022	268	168	56	19	BDL	CLEAR / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	
12-11-2022	13-11-2022	274	164	54	22	BDL	CLEAR / LIGHTBREEZE
26-11-2022	27-11-2022	256	181	59	19	BDL	CLEAR / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-11-2022	13-11-2022	138	82	41	14	BDL	CLEAR / LIGHTBREEZE
26-11-2022	27-11-2022	144	84	37	13	BDL	CLEAR / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	


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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-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
NOV'22	05-11-2022	45.9	43.1
NOV'22	19-11-2022	45.7	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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CHANDAMETA WORKSHOP

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/55	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-11-2022	13-11-2022	274	164	54	22	BDL	CLEAR SKY / LIGHTBREEZE
26-11-2022	27-11-2022	256	181	59	19	BDL	CLEAR SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



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

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-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
NOV'22	05-11-2022	47.8	44.4
NOV'22	19-11-2022	46.2	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/56	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	289	181	59	21	11	CLEAR / LIGHTBREEZE
24-11-2022	25-112022	262	159	56	19	BDL	CLEAR / LIGHTBREEZE
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	
10-11-2022	11-11-2022	273	179	54	19	12	CLEAR / LIGHTBREEZE
24-11-2022	25-112022	264	164	59	21	BDL	CLEAR / LIGHTBREEZE
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	
10-11-2022	11-11-2022	137	79	37	13	BDL	CLEAR / LIGHTBREEZE
24-11-2022	25-112022	142	86	32	14	BDL	CLEAR / LIGHTBREEZE
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	
09-11-2022	10-11-2022	129	83	39	14	BDL	CLEAR / LIGHTBREEZE
23-11-2022	24-112022	134	88	41	15	BDL	CLEAR / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

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
24-112022	8.07	44	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

NEAR MANAGER OFFICE: PCON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	05-11-2022	46.2	44.1
NOV'22	19-11-2022	45.8	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	05-11-2022	45.9	43.6
NOV'22	19-11-2022	44.2	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/58	DATE OF ISSUE	30-12-2022
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:		17-11-22 TO 15-12-22

MANAGER OFFICE PUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	274	184	59	21	11	CLEAR / LIGHTBREEZE
20-11-2022	21-11-2022	268	162	52	19	BDL	CLEAR / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


SUBSTATION PUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	264	180	61	22	11	CLEAR / LIGHTBREEZE
20-11-2022	21-11-2022	268	162	53	20	BDL	CLEAR / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JAMUNIA VILLAGE PUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	147	92	43	14	BDL	CLEAR / LIGHTBREEZE
20-11-2022	21-11-2022	132	78	39	13	BDL	CLEAR / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

BOKAI TOWNSHIP PUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	138	86	40	14	BDL	CLEAR / LIGHTBREEZE
19-11-2022	20-11-2022	144	82	38	13	BDL	CLEAR / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

MINE WATER DISCHARGE: PJUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
20-11-2022	8.18	50	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

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

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

MANAGER OFFICE: PJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'22	05-11-2022	44.4	42.8
NOV'22	19-11-2022	44.6	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

NEW SETHIA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




NOV - 2022

Environment Laboratory

CMPDI

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/61	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

NEW SETHIA OC SITE 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	
09-11-2022	10-11-2022	282	184	54	21	11	CLEAR / CALM
23-11-2022	24-11-2022	269	163	61	19	BDL	CLEAR / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


SAM OFFICE PCOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	289	181	59	21	11	CLEAR / CALM
24-11-2022	25-11-2022	262	159	56	19	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-11-2022	11-11-2022	137	79	37	13	BDL	CLEAR / LIGHTBREEZE
24-11-2022	25-11-2022	142	86	32	14	BDL	CLEAR / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

CHINDA COLONY PSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-11-2022	10-11-2022	129	83	39	14	BDL	CLEAR / CALM
23-11-2022	24-11-2022	134	88	41	15	BDL	CLEAR / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

MINE WATER DISCHARGE:		PSOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
23-11-2022	7.93	62	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

NEAR MANAGER OFFICE: PSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	05-11-2022	47.6	43.6
NOV'22	19-11-2022	47.6	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	05-11-2022	45.9	43.6
NOV'22	19-11-2022	44.2	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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PENCH AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/62	DATE OF ISSUE	30-12-2022
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 : L SOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-11-2022	09-11-2022	269	164	58	21	11	CLEAR / LIGHTBREEZE
22-11-2022	23-11-2022	282	182	51	19	BDL	CLEAR / LIGHTBREEZE
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	
08-11-2022	09-11-2022	269	184	61	21	11	CLEAR / LIGHTBREEZE
22-11-2022	23-11-2022	286	158	58	19	BDL	CLEAR / LIGHTBREEZE
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	
08-11-2022	09-11-2022	132	83	38	16	BDL	CLEAR / LIGHTBREEZE
22-11-2022	23-11-2022	141	74	34	14	BDL	CLEAR / LIGHTBREEZE
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	
10-11-2022	11-11-2022	137	79	37	13	BDL	CLEAR / LIGHTBREEZE
24-11-2022	25-11-2022	142	86	32	14	BDL	CLEAR / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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


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

NEAR MANAGER OFFICE:		PSO1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	05-11--2022	45.7	42.9
NOV'22	19-11-2022	45.2	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		PSO2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'22	05-11--2022	45.4	43.5
NOV'22	19-11-2022	45.9	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

THESGORA MATHANI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/63	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-11-2022	08-11-2022	140	88	40	14	BDL	CLEAR/ LIGHTBREEZE
21-11-2022	22-11-2022	138	94	36	15	BDL	CLEAR/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

SAM OFFICE PTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-11-2022	08-11-2022	266	163	58	21	BDL	CLEAR/ LIGHTBREEZE
21-11-2022	22-11-2022	282	184	62	19	BDL	CLEAR/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE- MATHANI PTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-11-2022	08-11-2022	283	168	59	21	11	CLEAR/ LIGHTBREEZE
21-11-2022	22-11-2022	288	182	53	19	BDL	CLEAR/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-11-2022	08-11-2022	137	91	39	16	BDL	CLEAR/ LIGHTBREEZE
21-11-2022	22-11-2022	142	82	36	15	BDL	CLEAR/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
21-11-2022	7.57	46	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

FAN HOUSE-MATHANI: PTUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	05-11-2022	69.2	68.1
NOV'22	19-11-2022	69.2	67.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY-THESGORA: PTUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	05-11-2022	45.9	44.4
NOV'22	19-11-2022	45.2	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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ENVIRONMENTAL MONITORING REPORT

URDHAN OC

PENCH AREA

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/64	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

URDHAN MANAGER OFFICE PUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	294	189	60	22	12	CLEAR / CALM
20-11-2022	21-11-2022	263	180	54	20	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

URDHAN VILLAGE PUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-11-2022	07-11-2022	148	81	40	15	BDL	CLEAR / CALM
20-11-2022	21-11-2022	127	78	36	14	BDL	CLOUDY / CALM
NAAQS, 2009		-	100	60	80	80	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	143	92	38	15	BDL	CLEAR / LIGHTBREEZE
19-11-2022	20-11-2022	148	83	39	14	BDL	CLEAR / LIGHTBREEZE
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	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-11-2022	06-11-2022	138	86	40	14	BDL	CLEAR / LIGHTBREEZE
19-11-2022	20-11-2022	144	82	38	13	BDL	CLEAR / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	17.11.2022 TO 15.12.2022

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
20-11-2022	8.13	46	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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

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

MANAGER OFFICE: PUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
	DETECTION LIMIT		
NOV'22	05-11-2022	49.6	46.5
NOV'22	19-11-2022	48.2	45.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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ENVIRONMENTAL MONITORING REPORT

VISHNUPURI-II UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




NOV - 2022

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/NOV-22/66	DATE OF ISSUE	30-12-2022
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:		17/11/22 TO 15/12/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-11-2022	09-11-2022	259	169	56	18	11	CLEAR / LIGHTBREEZE
22-11-2022	23-11-2022	272	154	51	20	BDL	CLEAR / LIGHTBREEZE
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	
08-11-2022	09-11-2022	269	184	61	21	11	CLEAR / LIGHTBREEZE
22-11-2022	23-11-2022	286	158	58	19	BDL	CLEAR / LIGHTBREEZE
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	
08-11-2022	09-11-2022	132	83	38	16	BDL	CLEAR / LIGHTBREEZE
22-11-2022	23-11-2022	141	74	34	14	BDL	CLEAR / LIGHTBREEZE
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	
10-11-2022	11-11-2022	137	79	37	13	BDL	CLEAR / LIGHTBREEZE
24-11-2022	25-11-2022	142	86	32	14	BDL	CLEAR / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 17.11.2022 TO 15.12.2022

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
22-11-2022	7.84	56	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE UG-II: PV2UN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'22	05-11-2022	68.7	67.9
NOV'22	19-11-2022	68.7	67.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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