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ENVIRONMENTAL MONITORING REPORT

BALLARPUR OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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/MAR-21/27	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.		WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)			
NAME OF AREA		BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT		BALLARPUR OC		
SAMPLE DESCRIPTION	Air sample			
SAMPLING METHOD : LSOP 4				

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08.03.2022	09.03.2022	234	162	44	11	BDL	Sunny sky / Lightbreeze
23.03.2022	24.03.2022	242	158	53	12	BDL	Sunny sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 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	
07.03.2022	08.03.2022	248	142	42	10	BDL	Sunny sky / Lightbreeze
22.03.2022	23.03.2022	238	147	48	11	BDL	Sunny sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 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	
07.03.2022	08.03.2022	232	138	57	12	BDL	Sunny sky / Lightbreeze
22.03.2022	23.03.2022	242	132	52	10	BDL	Sunny sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 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	
08.03.2022	09.03.2022	128	42	26	7	BDL	Sunny sky / Lightbreeze
23.03.2022	24.03.2022	133	47	28	6	BDL	Sunny sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

J. Shrivastava

Analysed by

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Deepanshu sahu

Deepanshu sahu
Authorised Signatory

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

MINE WATER DISCHARGE: BBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.03.2022	7.88	14	24	BDL
23.03.2022	7.32	28	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
				BDL
				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

CHP:		BBUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	08.03.2022	66.8	65.7
MARCH'22	23.03.2022	67.4	66.3
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
MARCH'22	08.03.2022	44.7	43.8
MARCH'22	23.03.2022	44.5	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

BALLARPUR UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		
TEST REPORT NO.		RIN/TR/MAR-22/28	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.		WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)			
NAME OF AREA		BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT		BALLARPUR UG		
SAMPLE DESCRIPTION		Air sample		
SAMPLING METHOD : LSOP 4				

MANAGER OFFICE- BALLARPUR UG		BBUA1					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	
08.03.2022	09.03.2022	234	162	44	11	BDL	Sunny / Lightbreeze
23.03.2022	24.03.2022	242	158	53	12	BDL	Sunny / Lightbreeze
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	
07.03.2022	08.03.2022	248	142	42	10	BDL	Sunny / Lightbreeze
22.03.2022	23.03.2022	238	147	48	11	BDL	Sunny / Lightbreeze
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	
07.03.2022	08.03.2022	232	138	57	12	BDL	Sunny / Lightbreeze
22.03.2022	23.03.2022	242	132	52	10	BDL	Sunny / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT COLONY		BBUA4					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	
08.03.2022	09.03.2022	128	42	26	7	BDL	Sunny / Lightbreeze
23.03.2022	24.03.2022	133	47	28	6	BDL	Sunny / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

J. Shan

Analysed by

Deepansu sanu

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Authorised Signatory

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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

MINE WATER DISCHARGE: BBUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.03.2022	7.59	22	36	BDL
24.03.2022	7.14	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



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NOISE LEVEL MONITORING DATA

FAN HOUSE: BBUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MARCH'22	08.03.2022	71.7	70.6
MARCH'22	23.03.2022	72.3	71.4
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
MARCH'22	08.03.2022	44.7	43.8
MARCH'22	23.03.2022	44.5	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

GOURI-I & II (A) OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/30	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GOURI I & II A OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE-GOURI-I OC		BGOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06.03.2022	07.03.2022	228	146	52	12	BDL	Sunny sky/Lightbreeze
21.03.2022	22.03.2022	242	152	65	11	BDL	Clear sky/Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE GOURI SUB AREA		BGOA2					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	
05.03.2022	06.03.2022	236	142	56	13	BDL	Sunny sky/Lightbreeze
20.03.2022	21.03.2022	247	138	62	12	BDL	Sunny sky/Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT		BSOA3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06.03.2022	07.03.2022	122	62	24	8	BDL	Sunny sky/Lightbreeze
21.03.2022	22.03.2022	139	56	28	7	BDL	Sunny sky/Lightbreeze
NAAQS, 2009		-	100	60	80	80	

GOURI VILLAGE		BGOA4					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	
04.03.2022	05.03.2022	128	46	28	7	BDL	Cloudy sky/Lightbreeze
20.03.2022	21.03.2022	137	42	24	6	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

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
06.03.2022	7.39	22	32	BDL
22.03.2022	7.17	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
06.03.2022	8.03	26	36	BDL
22.03.2022	8.17	14	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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NOISE LEVEL MONITORING DATA

CHP: BGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	08.03.2022	65.9	64.8
MARCH'22	23.03.2022	65.7	64.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	08.03.2022	44.3	43.4
MARCH'22	23.03.2022	43.8	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

GOURI DEEP OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/MAR-22/29	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GOURI DEEP OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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	
03.03.2022	04.03.2022	228	156	52	13	BDL	Cloudy sky /Lightbreeze
19.03.2022	20.03.2022	237	147	56	10	BDL	Cloudy sky /Lightbreeze
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	
03.03.2022	04.03.2022	137	74	32	7	BDL	Cloudy sky /Lightbreeze
19.03.2022	20.03.2022	128	72	28	6	BDL	Cloudy sky /Lightbreeze
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	
03.03.2022	04.03.2022	128	82	26	8	BDL	Cloudy sky /Lightbreeze
19.03.2022	20.03.2022	135	78	22	7	BDL	Cloudy sky /Lightbreeze
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	
03.03.2022	04.03.2022	134	76	24	7	BDL	Cloudy sky /Lightbreeze
19.03.2022	20.03.2022	128	71	28	6	BDL	Cloudy 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

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
04.03.2022	7.35	16	28	BDL
20.03.2022	7.17	26	32	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
04.03.2022	8.05	18	24	BDL
20.03.2022	7.23	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MARCH'22	08.03.2022	56.6	55.5
MARCH'22	23.03.2022	57.3	56.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

NEW DHOPTALA OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/31	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance		
NAME OF AREA	BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEW DHOPTALA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07.03.2022	08.03.2022	238	156	56	12	BDL	Sunny /Lightbreeze
22.03.2022	23.03.2022	242	147	48	11	BDL	Sunny /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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08.03.2022	09.03.2022	232	165	62	10	BDL	Sunny /Lightbreeze
23.03.2022	24.03.2022	226	152	51	9	BDL	Sunny /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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07.03.2022	08.03.2022	122	42	22	7	BDL	Sunny /Lightbreeze
23.03.2022	24.03.2022	134	48	26	6	BDL	Sunny /Lightbreeze
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03.03.2022	04.03.2022	137	74	32	7	BDL	Cloudy/ Lightbreeze
19.03.2022	20.03.2022	128	72	28	6	BDL	Cloudy/ Lightbreeze
NAAQS, 2009		-	100	60	80	80	

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NOISE LEVEL MONITORING DATA

CHP: BNDON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MARCH'22	08.03.2022	63.4	62.3
MARCH'22	23.03.2022	62.9	61.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY: BSUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MARCH'22	08.03.2022	43.5	42.8
MARCH'22	23.03.2022	43.7	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

PAUNI II OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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/MAR-22/33	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PAUNI II OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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	
05.03.2022	06.03.2022	232	165	60	12	BDL	Sunny /Lightbreeze
21.03.2022	22.03.2022	244	151	52	10	BDL	Clear /Lightbreeze
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	
05.03.2022	06.03.2022	242	154	56	10	BDL	Sunny /Lightbreeze
21.03.2022	22.03.2022	234	162	62	11	BDL	Clear /Lightbreeze
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	
05.03.2022	06.03.2022	136	46	24	8	BDL	Sunny /Lightbreeze
21.03.2022	22.03.2022	132	42	20	7	BDL	Clear /Lightbreeze
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	
04.03.2022	05.03.2022	232	142	48	12	BDL	Sunny /Lightbreeze
20.03.2022	21.03.2022	222	157	54	11	BDL	Clear /Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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Authorised Signatory

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

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
05.03.2022	7.25	14	36	BDL
21.03.2022	7.34	16	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MARCH'22	08.03.2022	56.8	55.7
MARCH'22	23.03.2022	56.7	55.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

PAUNI OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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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/MAR-22/32	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	BALLARPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	PAUNI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		


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	
04.03.2022	05.03.2022	244	165	52	13	BDL	Sunny /Lightbreeze
20.03.2022	21.03.2022	237	152	47	10	BDL	Clear /Lightbreeze
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	
04.03.2022	05.03.2022	232	142	48	12	BDL	Sunny /Lightbreeze
20.03.2022	21.03.2022	222	157	54	11	BDL	Clear /Lightbreeze
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	
04.03.2022	05.03.2022	122	54	26	7	BDL	Sunny /Lightbreeze
20.03.2022	21.03.2022	137	47	22	6	BDL	Clear /Lightbreeze
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	
04.03.2022	05.03.2022	128	46	28	7	BDL	Cloudy /Lightbreeze
20.03.2022	21.03.2022	137	42	24	6	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
SAMPLING METHOD	LSOP 5

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
04.03.2022	7.42	26	36	BDL
20.03.2022	7.28	20	28	BDL
STANDARDS FOR COAL	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
04.03.2022	8.12	18	28	BDL
20.03.2022	7.38	26	36	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	08.03.2022	55.7	54.9
MARCH'22	23.03.2022	56.4	55.3
NOISE POLLUTION (REGULATION AND CONTROL)		75	70

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	08.03.2022	44.3	43.4
MARCH'22	23.03.2022	43.8	42.5
NOISE POLLUTION (REGULATION AND CONTROL)		55	45

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ENVIRONMENTAL MONITORING REPORT

SASTI OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/34	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SASTI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06.03.2022	07.03.2022	242	158	48	11	BDL	Sunny /Lightbreeze
22.03.2022	23.03.2022	234	147	42	9	BDL	Sunny /Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	16	

DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06.03.2022	07.03.2022	228	146	54	10	BDL	Sunny /Lightbreeze
22.03.2022	23.03.2022	237	154	58	11	BDL	Sunny /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	
06.03.2022	07.03.2022	122	62	24	8	BDL	Sunny /Lightbreeze
21.03.2022	22.03.2022	139	56	28	7	BDL	Sunny /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 _x	So _x	
08.03.2022	09.03.2022	132	46	24	6	BDL	Sunny /Lightbreeze
23.03.2022	24.03.2022	128	38	28	7	BDL	Sunny /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

MINE WATER DISCHARGE: BSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.03.2022	7.52	18	28	BDL
22.03.2022	7.58	14	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BSOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.03.2022	7.15	22	32	BDL
22.03.2022	8.27	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: BSOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
06.03.2022	20	10.2
23.03.2022	22	11.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

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NOISE LEVEL MONITORING DATA

CHP:		BSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	08.03.2022	66.4	65.3
MAR'22	23.03.2022	65.5	64.7
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	20
MAR'22	08.03.2022	44.3	43.4
MAR'22	23.03.2022	43.8	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

SASTI UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 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/MAR-22/35	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	BALLARPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	SASTI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07.03.2022	08.03.2022	238	156	56	12	BDL	Sunny /Lightbreeze
22.03.2022	23.03.2022	242	147	48	11	BDL	Sunny /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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08.03.2022	09.03.2022	232	165	62	10	BDL	Sunny /Lightbreeze
23.03.2022	24.03.2022	226	152	51	9	BDL	Sunny /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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07.03.2022	08.03.2022	122	42	22	7	BDL	Sunny /Lightbreeze
23.03.2022	24.03.2022	134	48	26	6	BDL	Sunny /Lightbreeze
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08.03.2022	09.03.2022	132	46	24	6	BDL	Sunny /Lightbreeze
23.03.2022	24.03.2022	128	38	28	7	BDL	Sunny /Lightbreeze
NAAQS, 2009		-	100	60	80	80	


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MINE WATER DISCHARGE: BSUW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.03.2022	7.64	20	28	BDL
24.03.2022	8.12	14	24	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10


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NOISE LEVEL MONITORING DATA

FAN HOUSE:		BSUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	08.03.2022	69.7	68.9
MARCH'22	23.03.2022	69.6	68.9
NOISE POLLUTION (REGULATION AND		75	70

SASTI COLONY:		BSUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	08.03.2022	43.5	42.8
MARCH'22	23.03.2022	43.7	42.6
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

BHATADI OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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/MAR-22/17	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	BHATADI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : L SOP 4			

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	
05.03.2022	06.03.2022	282	169	51	26	19	Clear sky / Calm
22.03.2022	23.03.2022	289	176	54	30	21	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI MANAGER OFFICE CBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	268	148	53	30	23	Clear sky / Calm
22.03.2022	23.03.2022	275	155	56	34	25	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI VILLAGE CBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	144	68	25	14	BDL	Clear sky / Calm
22.03.2022	23.03.2022	151	75	28	18	11	Clear sky / Calm
NAAQS, 2009		-	100	60	80	80	

VADHOLI VILLAGE CBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	152	61	21	12	BDL	Clear sky / Calm
23.03.2022	24.03.2022	159	68	24	16	10	Clear sky / Calm
NAAQS, 2009		-	100	60	80	80	

R. Anupurna

Analysed by

Deepanshu sahu

Deepanshu sahu
Authorised Signatory

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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C
SAMPLING METHOD	LSOP 5

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
06.03.2022	8.1	48	52	BDL
21.03.2022	7.8	44	56	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
06.03.2022	8.20	20	28	BDL
21.03.2022	7.9	36	40	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
06.03.2022	52	11.4
21.03.2022	56	12
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

R. Anupurna

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NOISE LEVEL MONITORING DATA

CHP: CBON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	11.03.2022	52.8	51.7
MAR'22	22.03.2022	61.7	61.6
NOISE POLLUTION (REGULATION AND		75	70

COLONY: CBON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	11.03.2022	43.4	41.6
MAR'22	22.03.2022	44.5	43.6
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

CRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/MAR-22/18	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	CRC UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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	
09.03.2022	10.03.2022	286	151	53	21	16	Sunny / Light
24.03.2022	25.03.2022	293	158	56	25	18	Clear / Light
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	
09.03.2022	10.03.2022	298	172	55	28	19	Sunny / Light
24.03.2022	25.03.2022	305	179	58	32	21	Clear / Light
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	
09.03.2022	10.03.2022	263	178	47	18	15	Sunny / Light
24.03.2022	25.03.2022	270	185	50	22	17	Clear / Light
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	
09.03.2022	10.03.2022	184	82	31	16	BDL	Sunny / Light
24.03.2022	25.03.2022	191	89	34	20	11	Clear / Light
NAAQS, 2009		-	100	60	80	80	

R. Annapurna

Analysed by

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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
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: CCRUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.03.2022	7.90	32	40	BDL
25.03.2022	7.2	20	28	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

R. Annapurna

Analysed by

Deepanshu sahu

Deepanshu sahu
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NOISE LEVEL MONITORING DATA

CHP: CCRUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	11.03.2022	54.6	53.8
MAR'22	22.03.2022	62.6	62.5
NOISE POLLUTION (REGULATION AND		75	70

COLONY: CCRUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	11.03.2022	42.7	41.9
MAR'22	22.03.2022	43.5	43.4
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

DRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/MAR-22/19	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	DRC UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PIT OFFICE-DRC- III UG CDRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	264	140	47	26	19	Clear Sky /Light
21.03.2022	22.03.2022	271	147	50	30	21	Cloudy Sky / Light
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	
08.03.2022	09.03.2022	234	132	49	26	19	Clear Sky /Light
21.03.2022	22.03.2022	241	139	52	30	21	Cloudy Sky / Light
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	
08.03.2022	09.03.2022	151	60	23	10	BDL	Clear Sky /Light
21.03.2022	22.03.2022	158	67	26	14	BDL	Cloudy Sky / Light
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	
08.03.2022	09.03.2022	229	129	51	23	17	Clear Sky /Light
21.03.2022	22.03.2022	236	136	54	27	19	Cloudy Sky / Light
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

R. Annapurna

Analysed by

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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)
SAMPLING METHOD	LSOP 5

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
08.03.2022	8.2	28	32	BDL
23.03.2022	7.8	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

R. Annapurna

Analysed by

Deepanshu

Deepanshu sahu
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NOISE LEVEL MONITORING DATA

FAN HOUSE: CDRUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	11.03.2022	72.8	71.5
MAR'22	22.03.2022	72.5	72.4
NOISE POLLUTION (REGULATION AND		75	70

DURGAPUR COLONY: CDRUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	11.03.2022	44.7	43.6
MAR'22	22.03.2022	43.7	43.6
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

DURGAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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/MAR-22/20	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	DURGAPUR OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

MANAGER OFFICE-SECTOR V CDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	252	153	49	22	17	Clear Sky / Light
24.03.2022	25.03.2022	259	160	52	26	19	Clear Sky / Light
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	
07.03.2022	08.03.2022	159	62	25	12	BDL	Clear Sky / Light
24.03.2022	25.03.2022	166	69	28	16	BDL	Clear Sky / Light
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	
06.03.2022	07.03.2022	240	158	57	32	19	Clear Sky / Light
23.03.2022	24.03.2022	247	165	60	36	21	Clear Sky / Light
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	
07.03.2022	08.03.2022	181	66	21	14	BDL	Clear Sky / Light
24.03.2022	25.03.2022	188	73	24	18	11	Clear Sky / Light
NAAQS, 2009		-	100	60	80	80	

R. Annapurna

Analysed by

Deepanshu sahu

Deepanshu sahu
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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)	
SAMPLING METHOD	LSOP 5	

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
08.03.2022	7.5	42	52	BDL
23.03.2022	7	38	48	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
08.03.2022	6.4	40	44	BDL
23.03.2022	7.1	32	40	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
08.03.2022	7.2	58	64	BDL
23.03.2022	7.8	36	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT): CDOW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
08.03.2022	68	10.8
23.03.2022	74	11.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS	100	30

R. Annapurna

Analysed by

Deepanshu sahu

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NOISE LEVEL MONITORING DATA

CHP		CDON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	64.8	63.7
MARCH'22	22.03.2022	63.6	63.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	11.03.2022	44.7	43.6
MAR'22	22.03.2022	43.7	43.6
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



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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/MAR-22/22	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	HLP I & III UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

SUBSTATION HLC I UG CHUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	270	195	50	32	20	Sunny / Lightbreeze
24.03.2022	25.03.2022	277	202	53	36	22	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE - HLC-I INCLINE CHUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	251	178	49	31	18	Sunny / Lightbreeze
25.03.2022	26.03.2022	258	185	52	35	20	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HLC-III COLONY CHUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	172	76	27	14	BDL	Sunny / Lightbreeze
25.03.2022	26.03.2022	179	83	30	18	10	Cloudy Sky / Lightbreeze
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
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	173	79	29	17	BDL	Sunny / Lightbreeze
25.03.2022	26.03.2022	180	86	32	21	11	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

R. Annapurna

Analysed by

Deepanshu sahu

Deepanshu sahu
Authorised Signatory

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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

MINE WATER DISCHARGE(HLP-III): CHUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.03.2022	8.1	20	28	BDL
26.03.222	7.4	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE(HLP-I): CHUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.03.2022	8.20	28	36	BDL
26.03.222	7.6	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

R. Anupurna

Analysed by

Deepanshu sahu

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Authorised Signatory

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NOISE LEVEL MONITORING DATA

FAN HOUSE-I:		CHUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	45.5	44.8
MARCH'22	22.03.2022	44.6	43.6
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
MARCH'22	11.03.2022	43.4	41.3
MARCH'22	22.03.2022	43.4	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

HLP OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/21	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	HLP OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE (NANDGAON UG) CNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	275	166	52	33	20	Sunny Sky / Lightbreeze
26.03.2022	27.03.2022	282	173	55	37	22	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE(HLP OC) CHOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	278	162	56	26	11	Sunny Sky / Lightbreeze
25.03.2022	26.03.2022	285	169	59	30	13	Clear Sky / Lightbreeze
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	
11.03.2022	12.03.2022	151	68	28	14	BDL	Sunny Sky / Lightbreeze
26.03.2022	27.03.2022	158	75	31	18	10	Clear Sky / Lightbreeze
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	
11.03.2022	12.03.2022	180	70	24	16	BDL	Sunny Sky / Lightbreeze
26.03.2022	27.03.2022	187	77	27	20	10	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

R. Anupama

Analysed by

Deepanshu sahu

Deepanshu sahu
Authorised Signatory

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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
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: CHOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.03.2022	2.8	70	68	BDL
27.03.2022	2.6	68	72	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

R. Annapurna

Analysed by

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Authorised Signatory

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NOISE LEVEL MONITORING DATA

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	11.03.2022	62.7	61.7
MAR'22	22.03.2022	62.7	62.6
NOISE POLLUTION (REGULATION AND		75	70

COLONY HLP:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	11.03.2022	43.7	42.9
MAR'22	22.03.2022	43.6	43.5
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

MAHAKALI UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/23	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	MAHAKALI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

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	
09.03.2022	10.03.2022	286	151	53	21	16	Sunny / Lightbreeze
24.03.2022	25.03.2022	293	158	56	25	18	Cloudy / Lightbreeze
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	
09.03.2022	10.03.2022	298	172	55	28	19	Sunny / Lightbreeze
24.03.2022	25.03.2022	305	179	58	32	21	Cloudy / Lightbreeze
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	
09.03.2022	10.03.2022	263	178	47	18	15	Sunny / Lightbreeze
24.03.2022	25.03.2022	270	185	5	22	17	Cloudy / Lightbreeze
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	
09.03.2022	10.03.2022	184	82	31	16	BDL	Sunny / Lightbreeze
24.03.2022	25.03.2022	191	89	34	20	11	Cloudy / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

R. Anupurna

Analysed by

Deepanshu sahu

Deepanshu sahu
Authorised Signatory

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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)
SAMPLING METHOD	LSOP 5

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
09.03.2022	8.0	24	32	BDL
25.03.2022	7.6	18	24	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

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NOISE LEVEL MONITORING DATA

FAN HOUSE: CMUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MAR'22	11.03.2022	68.5	67.7
MAR'22	22.03.2022	69.4	68.5
NOISE POLLUTION (REGULATION AND CONTROL)		75	70

COLONY(MAHAKALI): CMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MAR'22	11.03.2022	43.7	42.6
MAR'22	22.03.2022	44.6	43.6
NOISE POLLUTION (REGULATION AND CONTROL)		55	45

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ENVIRONMENTAL MONITORING REPORT

MANA UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/24	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	MANA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	273	140	54	30	20	Sunny / Lightbreeze
25.03.2022	26.03.2022	280	147	57	34	22	Cloudy / 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	
11.03.2022	12.03.2022	290	155	51	27	17	Sunny / Lightbreeze
26.03.2022	27.03.2022	297	162	54	31	19	Cloudy / 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	
11.03.2022	12.03.2022	180	70	24	16	BDL	Sunny / Lightbreeze
26.03.2022	27.03.2022	187	77	27	20	10	Cloudy / 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	
11.03.2022	12.03.2022	151	68	28	14	BDL	Sunny / Lightbreeze
26.03.2022	27.03.2022	158	75	31	18	10	Cloudy / Lightbreeze
		-	100	60	80	80	

R. Annapurna

Analysed by

Deepanshu sahu

Deepanshu sahu
Authorised Signatory

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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

MINE WATER DISCHARGE: CMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.03.2022	8.2	36	44	BDL
27.03.2022	7.5	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

R. Annapurna

Analysed by



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NOISE LEVEL MONITORING DATA

FAN HOUSE:		CMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	11.03.2022	69.6	68.8
MAR'22	22.03.2022	68.7	68.6
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
MAR'22	11.03.2022	43.7	42.9
MAR'22	22.03.2022	43.6	43.5
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



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/25	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	NANDGAON UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	275	166	52	33	20	Sunny / Lightbreeze
26.03.2022	27.03.2022	282	173	55	37	22	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	
11.03.2022	12.03.2022	290	155	51	27	17	Sunny / Lightbreeze
26.03.2022	27.03.2022	297	162	54	31	19	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	
11.03.2022	12.03.2022	151	68	28	14	BDL	Sunny / Lightbreeze
26.03.2022	27.03.2022	158	75	31	18	10	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	
11.03.2022	12.03.2022	180	70	2	16	BDL	Sunny / Lightbreeze
26.03.2022	27.03.2022	187	77	27	20	10	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

R. Anupama

Analysed by

Deepanshu sahu

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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

MINE WATER DISCHARGE: CNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.03.2022	7.6	20	28	BDL
27.03.2022	7.4	18	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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Analysed by

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NOISE LEVEL MONITORING DATA

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	11.03.2022	72.8	71.7
MAR'22	22.03.2022	72.7	72.6
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
MAR'22	11.03.2022	43.7	42.9
MAR'22	22.03.2022	43.6	43.5
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



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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/MAR-22/26	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PADMAPUR OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	240	158	57	32	19	Clear Sky / Calm
23.03.2022	24.03.2022	247	165	60	36	21	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

WARWAT VILLAGE CPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	163	56	27	20	10	Clear Sky / Calm
23.03.2022	24.03.2022	170	63	30	24	12	Clear Sky / Calm
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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	134	54	23	18	BDL	Clear Sky / Calm
23.03.2022	24.03.2022	141	61	26	22	11	Clear Sky / Calm
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)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	129	58	23	10	BDL	Clear Sky / Calm
22.03.2022	23.03.2022	136	65	26	14	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

R. Annapurna

Analysed by

Deepanshu

Deepanshu sahu
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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
SAMPLING METHOD	LSOP 5

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
07.03.2022	4.2	46	52	BDL
22.03.2022	4.8	54	60	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

ETP DISCHARGE: 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
07.03.2022	7.6	44	48	BDL
22.03.2022	7.4	50	56	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

MD - 4: 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
07.03.2022	7.2	38	44	BDL
22.03.2022	6.9	20	36	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

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NOISE LEVEL MONITORING DATA

CHP: CPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MARCH'22	11.03.2022	65.6	63.5
MARCH'22	22.03.2022	63.8	63.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY: CDON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MARCH'22	11.03.2022	44.7	43.6
MARCH'22	22.03.2022	43.7	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

JUNA KUNADA OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/50	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	JUNA KUNADA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PIT OFFICE MJOA1							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06.03.2022	07.03.2022	232	146	38	16	BDL	Clear Sky / Calm
21.03.2022	22.03.2022	210	120	32	14	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE CHARGAON MJOA2							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07.03.2022	08.03.2022	220	124	30	14	BDL	Clear Sky / Calm
22.03.2022	23.03.2022	269	164	36	16	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

EKTA NAGAR COLONY MJOA3							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07.03.2022	08.03.2022	156	72	24	12	BDL	Clear Sky / Calm
22.03.2022	23.03.2022	139	69	26	14	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

CHARGAON INTAKE WELL MJOA4							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07.03.2022	08.03.2022	152	86	32	12	BDL	Clear Sky / Calm
22.03.2022	23.03.2022	143	80	30	12	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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NOISE LEVEL MONITORING DATA

MANAGER OFFICE:		MJON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	12.03.2022	45.5	43.2
MAR'22	23.03.2022	45.5	43.8
NOISE POLLUTION (REGULATION AND		75	70

EKTA NAGAR COLONY:		MTON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	12.03.2022	46.6	43.9
MAR'22	23.03.2022	46.2	43.8
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

NEW MAJRI-II(A) OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

CMPDI

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/MAR-22/52	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEW MAJRI-II(A) OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	223	142	36	16	BDL	Clear Sky / Calm
21.03.2022	22.03.2022	268	159	40	12	BDL	Clear Sky / 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	
04.03.2022	05.03.2022	296	194	52	16	BDL	Clear Sky / Calm
20.03.2022	21.03.2022	284	176	48	18	BDL	Clear Sky / 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	
05.03.2022	06.03.2022	162	90	36	16	BDL	Clear Sky / Calm
21.03.2022	22.03.2022	152	84	32	12	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.03.2022	05.03.2022	116	75	24	12	BDL	Clear Sky / Calm
05.03.2022	06.03.2022	119	72	26	14	BDL	Clear Sky / Calm
11.03.2022	12.03.2022	116	88	22	11	BDL	Clear Sky / Calm
12.03.2022	13.03.2022	126	64	20	12	BDL	Clear Sky / Calm
19.03.2022	20.03.2022	108	52	20	14	BDL	Clear Sky / Calm
20.03.2022	21.03.2022	138	70	30	11	BDL	Clear Sky / Calm
25.03.2022	26.03.2022	121	64	32	12	BDL	Clear Sky / Calm
26-03-2022	27-03-2022	126	62	34	14	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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 Deepansu Sanu
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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)
SAMPLING METHOD	LSOP 5

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	
11.03.2022	7.86	32	48	BDL	
28.03.2022	7.50	38	56	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	
11.03.2022	7.56	28	56	BDL	
28.03.2022	7.76	40	68	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	
11.03.2022	44	14.6	
28.03.2022	38	16.6	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30	



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NOISE LEVEL MONITORING DATA

FIELD MINE SHED:		MMON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	12.03.2022	49.7	48.4
MAR'22	23.03.2022	52.9	47.7
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
MAR'22	12.03.2022	45.7	43.9
MAR'22	23.03.2022	45.4	44.2
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



MARCH-2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/51	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEW MAJRI UG TO OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
04.03.2022	05.03.2022	296	194	52	16	BDL	Clear Sky / Calm
20.03.2022	21.03.2022	284	176	48	18	BDL	Clear Sky / 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
04.03.2022	05.03.2022	259	156	52	16	BDL	Clear Sky / Calm
20.03.2022	21.03.2022	310	210	58	18	BDL	Clear Sky / 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
04.03.2022	05.03.2022	249	165	42	16	BDL	Clear Sky / Calm
20.03.2022	21.03.2022	223	153	28	18	BDL	Clear Sky / 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.03.2022	06.03.2022	132	82	26	14	BDL	Clear Sky / Calm
20.03.2022	21.03.2022	118	65	25	12	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	


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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition)
SAMPLING METHOD	LSOP 5

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	
05.03.2022	7.56	28	48	BDL	
21.03.2021	7.85	30	56	BDL	
STANDARDS FOR COAL MINE, GSR 742E, dt.	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	
05.03.2022	7.50	28	44	BDL	
21.03.2021	7.86	32	36	BDL	
STANDARDS FOR COAL MINE, GSR 742E, dt.	5.5 - 9.0	100	250	10	



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NOISE LEVEL MONITORING DATA

PIT OFFICE:		MMUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	12.03.2022	48.9	45.7
MAR'22	23.03.2022	49.7	46.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MAJRI UG TO OC):		MMUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	12.03.2022	45.7	44.4
MAR'22	23.03.2022	45.9	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

TELWASA OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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/MAR-22/53	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		

NAME OF AREA	MAJRI	SAMPLING PLAN : LQR 47
NAME OF PROJECT	TELWASA OC	
SAMPLE DESCRIPTION	Air sample	
SAMPLING METHOD : LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	190	115	36	16	BDL	Clear sky / Calm
21.03.2022	22.03.2022	236	152	42	18	12	Clear sky / 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	229	156	38	18	12	Clear sky / Calm
22.03.2022	23.03.2022	236	172	40	16	BDL	Clear sky / 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	136	84	34	12	BDL	Clear sky / Calm
22.03.2022	23.03.2022	120	78	28	13	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	156	72	24	12	BDL	Clear sky / Calm
22.03.2022	23.03.2022	139	69	26	14	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

[Signature]

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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)
SAMPLING METHOD	LSOP 5

DETP DISCHARGE: MTOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
06.03.2022	34	16.2
22.03.2022	38	18.2
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS	100	30



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NOISE LEVEL MONITORING DATA

NEAR PIT OFFICE:		MTON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	12.03.2022	46.9	43.9
MAR'22	23.03.2022	45.7	43.9
NOISE POLLUTION (REGULATION AND		55	45

EKTA NAGAR COLONY:		MTON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	12.03.2022	46.6	43.9
MAR'22	23.03.2022	46.2	43.8
NOISE POLLUTION (REGULATION AND		75	70

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ENVIRONMENTAL MONITORING REPORT

YEKONA I & II OC

MAJRI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/MAR-22/54	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	YEKONA I & II OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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	
13.03.2022	14.03.2022	284	186	40	16	BDL	Clear Sky / Calm
26.03.2022	27.03.2022	259	159	42	14	BDL	Clear Sky / Calm
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	
11.03.2022	12.03.2022	162	82	27	12	BDL	Clear Sky / Calm
26.03.2022	27.03.2022	134	59	20	11	BDL	Clear Sky / Calm
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	
11.03.2022	12.03.2022	108	55	18	12	BDL	Clear Sky / Calm
26.03.2022	27.03.2022	136	62	26	12	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

DANDGAON VILLAGE MYOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.03.2022	13.03.2022	160	76	26	12	BDL	Clear Sky / Calm
26.03.2022	27.03.2022	145	60	22	13	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

HIWRA MAJRA VILLAGE MYOA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.03.2022	13.03.2022	152	69	22	14	BDL	Clear Sky / Calm
26.03.2022	27.03.2022	130	62	20	13	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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

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
11.03.2022	7.84	40	36	BDL
28.03.2022	7.8	46	44	BDL
STANDARDS FOR COAL	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
11.03.2022	7.59	28	36	BDL
28.03.2022	7.74	32	44	BDL
STANDARDS FOR COAL	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
11.03.2022	7.76	28	44	BDL
28.03.2022	7.94	34	48	BDL
STANDARDS FOR COAL	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
11.03.2022	28	16.9
28.03.2022	32	18.2
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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NOISE LEVEL MONITORING DATA

PIT OFFICE		MYON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	12.03.2022	48.7	45.9
MAR'22	23.03.2022	49.7	46.4
NOISE POLLUTION (REGULATION AND		75	70

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ENVIRONMENTAL MONITORING REPORT

ADASA UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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/MAR-22/1	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	ADASA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PROJECT MANAGER OFFICE		NAUA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.03.2022	05.03.2022	312	185	56	22	12	Clear Sky / calm
19.03.2022	20.03.2022	327	194	59	24	13	Clear Sky / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE		NAUA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.03.2022	05.03.2022	135	79	35	19	11	Clear Sky / calm
19.03.2022	20.03.2022	148	87	42	21	10	Clear Sky / calm
NAAQS, 2009		-	100	60	80	80	

COLONY WATER FILTER PLANT		NSNUA3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.03.2022	04.03.2022	168	74	34	14	BDL	Clear Sky / calm
16.03.2022	17.03.2022	179	82	39	16	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

KOTODI VILLAGE		NSNUA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.03.2022	04.03.2022	174	66	31	12	BDL	Clear Sky / calm
16.03.2022	17.03.2022	182	73	35	15	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

K. Malli

Analysed by

Deepanshu sahu

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NOISE LEVEL MONITORING DATA

FAN HOUSE: NAUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MAR'22	10.03.2022	69.2	68.4
MAR'22	25.03.2022	69.4	68.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE: NAUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MAR'22	10.03.2022	56.2	55.5
MAR'22	25.03.2022	56.2	55.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

70

COLONY (SAONER): NAUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MAR'22	10.03.2022	42.4	41.6
MAR'22	25.03.2022	42.4	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

BHANEGOAN OC

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/2	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	BHANEGAON OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD	LSOP 4		


NEAR MANAGER OFFICE NBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07.03.2022	08.03.2022	325	193	59	24	11	Cloudy / Calm
22.03.2022	23.03.2022	339	198	56	26	13	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07.03.2022	08.03.2022	167	97	36	17	BDL	Cloudy / Calm
22.03.2022	23.03.2022	175	92	39	15	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

BINA VILLAGE NBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07.03.2022	08.03.2022	146	85	37	15	BDL	Cloudy / Calm
22.03.2022	23.03.2022	159	91	40	13	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

DORLI VILLAGE NBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06.03.2022	07.03.2022	132	56	31	12	BDL	Cloudy / Calm
21.03.2022	22.03.2022	141	63	35	14	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	


Analysed by


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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

MINE WATER DISCHARGE: NBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.03.2022	7.63	16	44	BDL
22.03.2022	7.84	20	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

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MAR'22	10.03.2022	55.3	54.5
MAR'22	25.03.2022	56.4	55.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

GONDEGAON OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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/MAR-22/3	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	NAGPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	GONDEGAON OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

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	
08.03.2022	09.03.2022	342	176	57	26	13	Cloudy / Calm
23.03.2022	24.03.2022	354	189	59	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	
08.03.2022	09.03.2022	156	72	32	13	BDL	Cloudy / Calm
23.03.2022	24.03.2022	164	76	36	15	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	
08.03.2022	09.03.2022	187	85	41	12	BDL	Cloudy / Calm
23.03.2022	24.03.2022	196	89	45	14	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	
08.03.2022	09.03.2022	139	63	32	13	BDL	Cloudy / Calm
23.03.2022	24.03.2022	147	69	38	15	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



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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

MINE WATER DISCHARGE NGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.03.2022	8.01	12	36	BDL
23.03.2022	8.07	14	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE NGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.03.2022	7.84	32	88	BDL
23.03.2022	7.69	28	96	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

CHP		NGON1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	66.3	65.6
MAR'22	25.03.2022	66.4	65.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GONDEGAON VILAGE		NGON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	42.4	41.6
MAR'22	25.03.2022	42.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

GHATROHNA VILLAGE:		NGON3	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	42.3	41.5
MAR'22	25.03.2022	42.4	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE:		NGON4	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	42.5	42.7
MAR'22	25.03.2022	42.2	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

INDER UG TO OC

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/MAR-22/4		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
CUSTOMER LETTER REFERENCE NO.		WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)				
NAME OF AREA		NAGPUR		SAMPLING PLAN : LQR 47	
NAME OF PROJECT		INDER UG TO OC			
SAMPLE DESCRIPTION	Air sample				
SAMPLING METHOD : LSOP 4					

NEAR PIT NO.6 / MANAGER OFFICE NIOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	271	162	53	23	11	Cloudy sky/ Calm
24.03.2022	25.03.2022	286	174	57	25	12	Cloudy sky/ Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CMPDI TEKADI STORE NIOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	297	173	56	24	12	Cloudy sky/ Calm
24.03.2022	25.03.2022	309	182	59	26	13	Cloudy sky/ 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	
10.03.2022	11.03.2022	186	84	35	14	BDL	Cloudy sky/ Calm
25.03.2022	26.03.2022	199	89	38	16	BDL	Cloudy sky/ 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	
10.03.2022	11.03.2022	137	60	29	13	BDL	Cloudy sky/ Calm
25.03.2022	26.03.2022	149	68	35	15	BDL	Cloudy sky/ Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C
SAMPLING METHOD	LSOP 5

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
09.03.2022	7.65	18	44	BDL
24.03.2022	7.78	16	36	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

PROJECT OFFICE:		NION1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MAR'22	10.03.2022	55.3	54.6
MAR'22	25.03.2022	57.3	56.6
NOISE POLLUTION (REGULATION AND CONTROL)		75	70

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ENVIRONMENTAL MONITORING REPORT

KAMPTEE DEEP OC

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/5	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	NAGPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	KAMPTEE DEEP OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

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	
10.03.2022	11.03.2022	321	184	55	23	12	Cloudy sky/Calm
25.03.2022	26.03.2022	336	196	59	25	13	Cloudy sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JUNI KAMPTEE VILLAGE NKCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	153	74	39	23	11	Cloudy sky/Calm
25.03.2022	26.03.2022	167	82	45	24	12	Cloudy sky/Calm
NAAQS, 2009		-	100	60	80	80	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	186	84	35	14	BDL	Cloudy sky/Calm
25.03.2022	26.03.2022	199	89	38	16	BDL	Cloudy sky/Calm
		-	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	
10.03.2022	11.03.2022	137	60	29	13	BDL	Cloudy sky/Calm
25.03.2022	26.03.2022	149	68	35	15	BDL	Cloudy sky/Calm
NAAQS, 2009		-	100	60	80	80	

K. Malli

Analysed by

Deepanshu sahu

Deepanshu sahu
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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

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
10.03.2022	7.52	42	124	BDL
25.03.2022	7.72	46	132	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

CHP: NKC1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	66.2	65.5
MAR'22	25.03.2022	66.2	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(KAMPTEE): NKC2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	42.4	41.6
MAR'22	25.03.2022	42.4	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

PATANSAONGI UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
CMPDI
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/6	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PATANSAONGI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			


COLLIERY MANAGER OFFICE NPTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.03.2022	04.03.2022	312	209	48	22	11	Cloudy Sky / Calm
16.03.2022	17.03.2022	325	224	56	24	12	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.03.2022	04.03.2022	163	75	36	21	11	Cloudy Sky / Calm
16.03.2022	17.03.2022	186	79	38	23	22	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

NEAR LCH QR. NPTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.03.2022	04.03.2022	194	82	39	15	BDL	Cloudy Sky / Calm
16.03.2022	17.03.2022	209	87	45	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.03.2022	04.03.2022	163	74	31	12	BDL	Cloudy Sky / Calm
16.03.2022	17.03.2022	175	79	34	14	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	


Analysed by


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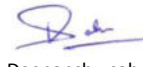
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP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

MINE DISCHARGE: NPTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03.03.2022	7.73	12	36	BDL
16.03.2022	7.94	14	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

CHP:		NPTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	67.4	66.7
MAR'22	25.03.2022	67.3	66.4
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
MAR'22	10.03.2022	42.3	41.5
MAR'22	25.03.2022	42.4	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

PIPLA UG

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/7	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PIPLA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.03.2022	05.03.2022	309	184	52	23	11	Cloudy sky / Calm
19.03.2022	20.03.2022	318	192	56	25	12	Cloudy sky / 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	
04.03.2022	05.03.2022	283	176	49	21	11	Cloudy sky / Calm
19.03.2022	20.03.2022	297	189	53	23	12	Cloudy sky / 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	
04.03.2022	05.03.2022	164	79	36	13	BDL	Cloudy sky / Calm
19.03.2022	20.03.2022	179	85	41	15	BDL	Cloudy sky / Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.03.2022	05.03.2022	127	74	35	12	BDL	Cloudy sky / Calm
19.03.2022	20.03.2022	139	82	44	14	BDL	Cloudy sky / Calm
NAAQS, 2009		-	100	60	80	80	



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NOISE LEVEL MONITORING DATA

FAN HOUSE: NPUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	62.2	61.6
MAR'22	25.03.2022	61.2	60.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

SAONER UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
CMPDI
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/8	DATE OF ISSUE	10.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	NAGPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	SAONER UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

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	
03.03.2022	04.03.2022	309	191	53	23	12	Clear Sky / Calm
16.03.2022	17.03.2022	324	198	59	26	13	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	
03.03.2022	04.03.2022	279	182	51	20	10	Clear Sky / Calm
16.03.2022	17.03.2022	286	195	56	22	11	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	
03.03.2022	04.03.2022	168	74	34	14	BDL	Clear Sky / Calm
16.03.2022	17.03.2022	179	82	39	16	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	
03.03.2022	04.03.2022	174	66	31	12	BDL	Clear Sky / Calm
16.03.2022	17.03.2022	182	73	35	15	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

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
04.03.2022	8.03	14	28	BDL
19.03.2022	8.15	12	24	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
04.03.2022	7.82	16	32	BDL
19.03.2022	7.68	20	48	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
04.03.2022	8.09	12	24	BDL
19.03.2022	8.01	16	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

FAN HOUSE-I: NSNUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MARCH'22	10.03.2022	69.2	68.3
MARCH'22	25.03.2022	69.3	68.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-II: NSNUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MARCH'22	10.03.2022	69.4	68.6
MARCH'22	25.03.2022	69.2	68.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-III: NSNUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MARCH'22	10.03.2022	69.5	68.7
MARCH'22	25.03.2022	69.4	68.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: NSNUN4		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
MARCH'22	10.03.2022	42.4	41.6
MARCH'22	25.03.2022	42.4	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

SILEWARA UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/9	DATE OF ISSUE	10.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	NAGPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	SILEWARA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

WATER FILTER FLANT NSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	319	214	52	24	12	Cloudy Sky / Calm
20.03.2022	21.03.2022	335	226	59	26	13	Cloudy Sky / 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	284	176	53	22	11	Cloudy Sky / Calm
20.03.2022	21.03.2022	297	189	57	24	12	Cloudy Sky / 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	163	71	36	14	BDL	Cloudy Sky / Calm
20.03.2022	21.03.2022	179	82	41	16	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

CHANKAPUR PUMP HOUSE/ COLONY NSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	146	62	34	13	BDL	Cloudy Sky / Calm
20.03.2022	21.03.2022	159	70	40	15	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

K. Mallik

Analysed by

Deepanshu sahu

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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

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
05.03.2022	7.50	14	36	BDL
20.03.2022	7.74	16	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

FAN HOUSE: NSUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	10.03.2022	69.3	68.5
MARCH'22	25.03.2022	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
MARCH'22	10.03.2022	42.2	41.4
MARCH'22	25.03.2022	42.3	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

SINGORI OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/10	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SINGORI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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	
06.03.2022	07.03.2022	305	176	54	23	12	Cloudy Sky / Calm
21.03.2022	22.03.2022	317	183	59	25	13	Cloudy Sky / 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	
06.03.2022	07.03.2022	176	71	43	13	BDL	Cloudy Sky / Calm
21.03.2022	22.03.2022	189	80	49	15	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

HINGNA VILLAGE NSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	143	60	33	16	BDL	Cloudy Sky / Calm
21.03.2022	22.03.2022	157	68	39	18	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

DORLI VILLAGE NBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	132	56	31	12	BDL	Cloudy Sky / Calm
21.03.2022	22.03.2022	141	63	35	14	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

MINE WATER DISCHARGE: NSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.03.2022	7.62	26	60	BDL
22.03.2022	7.82	24	80	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

CONTRACTOR CAMP: NSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	10.03.2022	56.4	55.7
MARCH'22	25.03.2022	56.2	55.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SOHALI VILLAGE: NSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	10.03.2022	42.2	41.4
MARCH'22	25.03.2022	42.5	41.7
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
MARCH'22	10.03.2022	68.3	67.6
MARCH'22	25.03.2022	68.2	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
MARCH'22	10.03.2022	67.2	66.5
MARCH'22	25.03.2022	66.3	65.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

DINESH OCP

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 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/MAR-22/11	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	DINESH OCP		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			


MANAGER OFFICE UM30A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
04.03.2022	05.03.2022	242	148	50	16	BDL	Clear Sky / Calm
27.03.2022	28.03.2022	254	160	42	14	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR RLY. WEIGHT BRIDGE UM30A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
15.03.2022	16.03.2022	260	152	38	14	BDL	Clear Sky / Calm
29.03.2022	30.03.2022	282	165	42	12	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIPARDOL VILLAGE UM30A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
15.03.2022	16.03.2022	142	60	26	12	BDL	Clear Sky / Calm
28.03.2022	29.03.2022	132	80	28	15	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

WELSAKARA VILLAGE UM30A4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
10.03.2022	11.03.2022	150	72	24	16	BDL	Clear Sky / Calm
28.03.2022	29.03.2022	136	62	22	14	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	


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

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
15.03.2022	7.48	30	36	BDL
20.03.2022	7.56	38	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
15.03.2022	7.9	36	56	BDL
20.03.2022	7.56	42	72	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

PIT OFFICE		UGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MARCH'22	12.03.2022	52.7	52.4
MARCH'22	26.03.2022	52.6	51.7
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



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/MAR-22/12	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GOKUL OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

CONTRACTOR CAMP UGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.03.2022	04.03.2022	270	186	40	18	12	Clear Sky / Calm
19.03.2022	20.03.2022	210	152	50	14	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BESUR VILLAGE UGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.03.2022	04.03.2022	118	72	29	12	BDL	Clear Sky / Calm
04.03.2022	05.03.2022	115	65	28	13	BDL	Clear Sky / Calm
10.03.2022	11.03.2022	120	60	24	14	BDL	Clear Sky / Calm
11.03.2022	12.03.2022	128	75	26	12	BDL	Clear Sky / Calm
19.03.2022	20.03.2022	146	82	30	12	BDL	Clear Sky / Calm
20.03.2022	21.03.2022	115	65	32	19	BDL	Clear Sky / Calm
26.03.2022	27.03.2022	129	60	28	15	BDL	Clear Sky / Calm
27.03.2022	28.03.2022	121	61	30	12	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

NAND VILLAGE UGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.03.2022	04.03.2022	120	76	30	12	BDL	Clear Sky / Calm
04.03.2022	05.03.2022	128	72	28	11	BDL	Clear Sky / Calm
10.03.2022	11.03.2022	98	52	22	14	BDL	Clear Sky / Calm
11.03.2022	12.03.2022	116	60	24	15	BDL	Clear Sky / Calm
19.03.2022	20.03.2022	125	62	26	14	BDL	Clear Sky / Calm
20.03.2022	21.03.2022	134	69	28	12	BDL	Clear Sky / Calm
26.03.2022	27.03.2022	156	82	30	13	BDL	Clear Sky / Calm
27.03.2022	28.03.2022	120	60	32	14	BDL	Clear Sky / 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	
03.03.2022	04.03.2022	132	65	30	14	BDL	Clear Sky / Calm
04.03.2022	05.03.2022	145	78	24	13	BDL	Clear Sky / Calm
10.03.2022	11.03.2022	127	60	26	12	BDL	Clear Sky / Calm
11.03.2022	12.03.2022	106	54	20	15	BDL	Clear Sky / Calm
19.03.2022	20.03.2022	122	69	18	16	BDL	Clear Sky / Calm
20.03.2022	21.03.2022	132	72	36	14	BDL	Clear Sky / Calm
26.03.2022	27.03.2022	120	76	34	18	BDL	Clear Sky / Calm
28.03.2022	29.03.2022	115	64	22	16	BDL	Clear Sky / 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

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
11.03.2022	7.8	34	80	BDL
27.03.2022	7.48	42	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): UGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.03.2022	7.76	28	36	BDL
27.03.2022	7.58	32	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

PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	12.03.2022	46.7	46.5
MARCH'22	26.03.2022	51.7	51.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CONTRACTOR CAMP: UGON2			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	12.03.2022	47.7	47.6
MARCH'22	26.03.2022	53.5	52.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-II OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/14	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MAKARDHOKRA-II		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

NEAR MANAGER OFFICE UMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
14.03.2022	15.03.2022	312	210	62	16	BDL	Clear sky/Calm
29.03.2022	30.03.2022	298	196	52	18	BDL	Clear sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE UMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
14.03.2022	15.03.2022	245	156	34	17	BDL	Clear sky/Calm
29.03.2022	30.03.2022	254	145	46	15	BDL	Clear sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE UMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly 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	
11.03.2022	12.03.2022	162	89	32	12	BDL	Clear sky/Calm
26.03.2022	27.03.2022	156	74	26	14	BDL	Clear sky/Calm
NAAQS, 2009		-	100	60	80	80	

NEAR PUMP HOUSE COLONY UMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly 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	
11.03.2022	12.03.2022	134	64	21	14	BDL	Clear sky/Calm
26.03.2022	27.03.2022	156	78	28	15	BDL	Clear sky/Calm
NAAQS, 2009		-	100	60	80	80	



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NOISE LEVEL MONITORING DATA

NEAR PIT OFFICE: UMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	NOISE LEVEL IN dB(A)
		DAY TIME	DAY TIME
	DETECTION LIMIT	20	20
MARCH'22	12.03.2022	53.6	52.6
MARCH'22	26.03.2022	51.5	51.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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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/MAR-22/13	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MAKARDHOKRA-I OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

PIT OFFICE UM10A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14.03.2022	15.03.2022	5	5	2	6	10	Clear sky / Calm
29.03.2022	30.03.2022	285	186	46	18	12	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KALMANA VILLAGE UM10A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	5	5	2	6	10	Clear sky / Calm
26.03.2022	27.03.2022	236	142	39	18	11	Clear sky / Calm
NAAQS, 2009		-	100	60	80	80	

SIRPUR VILLAGE UM10A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
15.03.2022	16.03.2022	5	5	2	6	10	Clear sky / Calm
28.03.2022	29.03.2022	122	60	28	14	BDL	Clear sky / Calm
NAAQS, 2009		-	100	60	80	80	

KHURSAPUR VILLAGE UM10A4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
15.03.2022	16.03.2022	5	5	2	6	10	Clear sky / Calm
20.03.2022	21.03.2022	147	84	36	12	BDL	Clear sky / Calm
NAAQS, 2009		-	100	60	80	80	

AIR SAMPLE HEOTI VILLAGE UM10A5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14.03.2022	15.03.2022	5	5	2	6	10	Clear sky / Calm
28.03.2022	29.03.2022	122	64	28	14	BDL	Clear sky / Calm
NAAQS, 2009		-	100	60	80	80	



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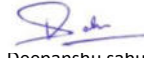
SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: UM1OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
15.03.2022	7.68	26	32	BDL
20.03.2022	7.55	28	40	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

ETP: UM1OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
15.03.2022	7.88	28	44	BDL
20.03.2022	7.96	26	36	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

PIT OFFICE:		UM10N1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MARCH'22	12.03.2022	52.4	51.7
MARCH'22	26.03.2022	50.7	50.3
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
MARCH'22	12.03.2022	43.4	42.7
MARCH'22	26.03.2022	42.7	42.5
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
MARCH'22	12.03.2022	43.7	42.7
MARCH'22	26.03.2022	42.6	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

MORPAR UG

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/15	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MORPAR UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

NEAR PIT OFFICE UMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	276	196	52	18	12	Clear sky/Calm
25.03.2022	26.03.2022	320	226	60	22	13	Clear sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR MAGAZINE BUILDING UMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	256	159	42	14	BDL	Clear sky/Calm
25.03.2022	26.03.2022	278	178	50	15	BDL	Clear sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MURPAR UG) UMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	154	82	30	12	BDL	Clear sky/Calm
25.03.2022	26.03.2022	122	70	34	12	BDL	Clear sky/Calm
NAAQS, 2009		-	100	60	80	80	

MORPAR VILLAGE UMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	122	60	22	12	BDL	Clear sky/Calm
25.03.2022	26.03.2022	156	78	24	12	BDL	Clear sky/Calm
NAAQS, 2009		-	100	60	80	80	



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

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
09.03.2022	7.65	40	52	BDL
25.03.2022	7.70	48	68	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

FAN HOUSE:		UMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
			20
MARCH'22	09.03.2022	72.6	72.4
MARCH'22	25.03.2022	72.7	72.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
			20
MARCH'22	09.03.2022	43.7	43.3
MARCH'22	25.03.2022	43.6	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

UMRER OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/16	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	UMRER OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

UMRER MANAGER OFFICE		UUOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	326	210	62	18	12	Clear sky/L.Breeze
26.03.2022	27.03.2022	356	226	64	16	11	Clear sky/L.Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR WORKSHOP		UUOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	260	138	42	14	BDL	Clear sky/L.Breeze
26.03.2022	27.03.2022	278	156	48	18	BDL	Clear sky/L.Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE		UUOA3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	162	89	32	12	BDL	Clear sky/L.Breeze
26.03.2022	27.03.2022	156	74	26	14	BDL	Clear sky/L.Breeze
NAAQS, 2009		-	100	60	80	80	

NEAR PUMP HOUSE COLONY		UUOA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	134	64	21	14	BDL	Clear sky/L.Breeze
26.03.2022	27.03.2022	156	78	28	15	BDL	Clear sky/L.Breeze
NAAQS, 2009		-	100	60	80	80	



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

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
14.03.2022	7.8	30	36	BDL
26.03.2022	7.67	32	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
14.03.2022	7.68	26	36	BDL
26.03.2022	7.8	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: UUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
14.03.2022	44	13.5
26.03.2022	36	12.6
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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NOISE LEVEL MONITORING DATA

CHP:		UUON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	NOISE LEVEL IN dB(A)
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MARCH'22	12.03.2022	63.6	63.4
MARCH'22	26.03.2022	64.5	63.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UUON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	NOISE LEVEL IN dB(A)
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MARCH'22	12.03.2022	43.7	43.5
MARCH'22	26.03.2022	43.6	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

GHUGUS OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/ 36	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS A64:J685182 Part-4:1999(RA 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)		
NAME OF AREA	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GHUGUS OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	240	142	68	20	12	Clear Sky / Calm
22.03.2022	23.03.2022	210	139	60	22	14	Clear Sky / 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	229	165	58	22	12	Clear Sky / Calm
22.03.2022	23.03.2022	240	132	64	24	14	Clear Sky / 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	140	70	52	16	BDL	Clear Sky / Calm
22.03.2022	23.03.2022	122	74	44	18	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	148	68	32	18	BDL	Clear Sky / Calm
22.03.2022	23.03.2022	120	60	43	12	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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NOISE LEVEL MONITORING DATA

CHP: WGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	69.5	68.3
MARCH'22	25.03.2022	68.5	67.1
NOISE POLLUTION (REGULATION AND		75	70

COLONY(GHUGUS): WGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	45.5	44.3
MARCH'22	25.03.2022	45.5	43.6
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

KOLGAON OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/37	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	KOLGAON OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD	LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	240	156	56	26	14	Clear Sky/ Calm
23.03.2022	24.03.2022	250	150	60	24	12	Clear Sky/ 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	233	168	66	24	14	Clear Sky/ Calm
23.03.2022	24.03.2022	256	174	60	28	16	Clear Sky/ 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	120	74	34	16	BDL	Clear Sky/ Calm
23.03.2022	24.03.2022	118	64	36	14	BDL	Clear Sky/ Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	122	78	36	14	BDL	Clear Sky/ Calm
23.03.2022	24.03.2022	124	70	32	14	BDL	Clear Sky/ Calm
NAAQS, 2009		-	100	60	80	80	



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

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
10.03.2022	7.88	42	76	BDL
24.03.2022	7.72	34	72	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

MANAGER OFFICE:		WKON1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	60.3	58.5
MARCH'22	25.03.2022	64.4	62.3
NOISE POLLUTION (REGULATION AND		75	70

COLONY(MUNGOLI):		WKON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	44.3	43.1
MARCH'22	25.03.2022	45.3	43.2
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

MUGOLI OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/38	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MUGOLI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		SUBSTATION WMOA1 PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	242	148	60	18	11	Clear Sky/Calm
23.03.2022	24.03.2022	346	162	68	24	13	Clear Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		SAM OFFICE WMOA2 PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	233	168	66	24	14	Clear Sky/Calm
23.03.2022	24.03.2022	256	174	60	28	16	Clear Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		KAILSHNAGAR TOWNSHIP - FILTER PLANT WMOA3 PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	122	78	36	14	BDL	Clear Sky/Calm
23.03.2022	24.03.2022	124	70	32	14	BDL	Clear Sky/Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		TUBEWELL NEAR SAKHARA VILLAGE WMOA4 PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	128	72	38	18	BDL	Clear Sky/Calm
23.03.2022	24.03.2022	124	74	34	12	BDL	Clear Sky/Calm
NAAQS, 2009		-	100	60	80	80	



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

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
09.03.2022	7	26	44	BDL
24.03.2022	7.18	32	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WMOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.03.2022	7.5	30	72	BDL
24.03.2022	7.16	32	68	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

CHP: WMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	67.8	65.4
MARCH'22	25.03.2022	68.4	65.2
NOISE POLLUTION (REGULATION AND		75	70

COLONY(MUNGOLI): WMON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	44.3	43.1
MARCH'22	25.03.2022	45.3	43.2
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

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WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/39	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NAIGAON OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	268	164	70	20	12	Clear Sky/Calm
21.03.2022	22.03.2022	280	174	68	22	13	Clear Sky/Calm
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	244	170	64	24	12	Clear Sky/Calm
21.03.2022	22.03.2022	240	178	60	22	13	Clear Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E),		600	300	60	120	120	

BELLORA REHABILITATION VILLAGE WNGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	120	74	36	14	BDL	Clear Sky/Calm
22.03.2022	23.03.2022	108	70	32	10	BDL	Clear Sky/Calm
NAAQS, 2009		-	100	60	80	80	

FILTER PLANT NEAR VIP GUEST HOUSE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	120	60	34	24	12	Clear Sky/Calm
22.03.2022	23.03.2022	126	68	28	24	14	Clear Sky/Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu
Authorised Signatory

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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C
SAMPLING METHOD	LSOP 5

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
07.03.2022	5	48	16	BDL
22.03.2022	4.8	52	28	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

CHP: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	68.4	66.7
MARCH'22	25.03.2022	67.5	65.5
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	20
MARCH'22	11.03.2022	45.5	44.3
MARCH'22	25.03.2022	45.5	43.6
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

NILJAI DEEP OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/40	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NILJAI DEEP OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	230	158	56	20	16	Clear Sky/Calm
21.03.2022	22.03.2022	242	160	60	24	14	Clear Sky/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	
06.03.2022	07.03.2022	244	170	64	24	12	Clear Sky/Calm
21.03.2022	22.03.2022	240	178	6	22	13	Clear Sky/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	
06.03.2022	07.03.2022	110	58	36	16	BDL	Clear Sky/Calm
21.03.2022	22.03.2022	114	60	40	14	BDL	Clear Sky/Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	100	60	30	12	BDL	Clear Sky/Calm
21.03.2022	22.03.2022	104	58	36	14	BDL	Clear Sky/Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu
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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

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
07.03.2022	7.16	24	44	BDL
22.03.2022	7.08	26	48	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
07.03.2022	7.82	28	68	BDL
22.03.2022	7.28	32	76	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
07.03.2022	58	12
22.03.2022	62	16.2
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS	100	30



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NOISE LEVEL MONITORING DATA

CHP-NILJAI:		WNON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	69.4	67.5
MARCH'22	25.03.2022	67.4	65.3
NOISE POLLUTION (REGULATION AND CONTROL)		75	70

CHP-NILJAI(S):		WNON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	68.6	66.6
MARCH'22	25.03.2022	68.5	66.5
NOISE POLLUTION (REGULATION AND CONTROL)		75	70

COLONY(NILJAI):		WNON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
FEB'22	11.03.2022	44.5	43.2
FEB'22	25.03.2022	44.6	43.3
NOISE POLLUTION (REGULATION AND CONTROL)		55	45

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ENVIRONMENTAL MONITORING REPORT

PENGANGA OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/41	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PENGANGA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	234	158	68	28	16	Clear Sky/ Calm
24.03.2022	25.03.2022	246	164	60	24	14	Clear Sky/ 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	
09.03.2022	10.03.2022	270	176	76	24	11	Clear Sky/ Calm
24.03.2022	25.03.2022	276	170	74	28	13	Clear Sky/ 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	
09.03.2022	10.03.2022	118	68	46	16	14	Clear Sky/ Calm
24.03.2022	25.03.2022	124	70	36	14	BDL	Clear Sky/ Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	116	60	38	14	BDL	Clear Sky/ Calm
24.03.2022	25.03.2022	110	64	26	10	BDL	Clear Sky/ Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by


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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
SAMPLING METHOD	LSOP 5

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
10.03.2022	7.17	22	48	BDL
25.03.2022	7.28	30	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

NEAR WORKSHOP: WPON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	64.4	63.2
MARCH'22	25.03.2022	66.5	63.3
NOISE POLLUTION (REGULATION AND		75	70

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ENVIRONMENTAL MONITORING REPORT

GHONSA OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/43	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	GHONSA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

PROJECT MANAGER OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	246	156	70	24	18	Clear Sky / Calm
24.03.2022	25.03.2022	260	168	68	22	16	Clear 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	234	148	58	22	18	Clear Sky / Calm
23.03.2022	24.03.2022	224	142	56	20	16	Clear 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	118	64	36	18	12	Clear Sky / Calm
24.03.2022	25.03.2022	128	72	38	16	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

GUEST HOUSE/ COLONY WNKUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	110	60	34	16	12	Clear Sky / Calm
23.03.2022	24.03.2022	126	64	36	12	10	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



Analysed by



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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

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
09.03.2022	6.3	24	60	BDL
24.03.2022	7.9	44	76	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

MANAGER OFFICE:		WNGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MARCH'22	10.03.202	49.7	45.6
MARCH'22	26.03.2022	50.4	48.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

JUNAD OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022


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NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-21/42	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	JUNAD OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE WNJOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	252	158	56	22	16	Clear Sky / Calm
25.03.2022	26.03.2022	260	168	68	20	16	Clear Sky / Calm
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	106	60	36	14	BDL	Clear Sky / Calm
25.03.2022	26.03.2022	114	64	34	12	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

BHALAR TOWNSHIP WNUOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	118	60	34	18	12	Clear Sky / Calm
25.03.2022	26.03.2022	126	76	40	12	10	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

UKNI VILLAGE WNUOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	110	60	32	12	10	Clear Sky / Calm
20.03.2022	21.03.2022	116	66	34	14	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

(Signature)

(Signature)

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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O
SAMPLING METHOD	LSOP 5

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
10.03.2022	7.25	30	48	BDL
25.03.2022	7.42	30	68	BDL
STANDARDS FOR COAL MINE,	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
10.03.2022	7.5	26	44	BDL
25.03.2022	7.42	30	48	BDL
STANDARDS FOR COAL MINE,	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

MANAGER OFFICE: WNJON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	48.7	45.9
MARCH'22	25.03.2022	64.2	62.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNJON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	45.5	43.1
MARCH'22	25.03.2022	44.5	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

KOLARPIMPRI OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/44	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	KOLARPIMPRI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.03.2022	05.03.2022	248	156	68	22	16	Clear Sky /Calm
20.03.2022	21.03.2022	236	146	56	14	BDL	Clear Sky /Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

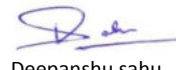
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	218	132	54	20	14	Clear Sky /Calm
19.03.2022	20.03.2022	214	130	46	12	BDL	Clear Sky /Calm
STANDARDS FOR COAL MINE, GSR 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	
03.03.2022	04.03.2022	118	74	32	14	12	Clear Sky /Calm
19.03.2022	20.03.2022	104	66	36	10	10	Clear Sky /Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	118	68	34	10	10	Clear Sky /Calm
25.03.2022	26.03.2022	122	74	38	12	10	Clear Sky /Calm
NAAQS, 2009		-	100	60	80	80	



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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition)
SAMPLING METHOD	LSOP 5

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
05.03.2022	7.68	42	72	BDL
20.03.2022	7.72	36	64	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

CHP: WNKON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	62.8	60.4
MARCH'22	25.03.2022	66.5	64.3
NOISE POLLUTION (REGULATION AND		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	45.9	43.7
MARCH'22	25.03.2022	45.3	43.4
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

KUMBARKHANI UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/45	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	KUMBARKHANI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PROJECT MANAGER OFFICE WNKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	268	170	68	24	16	Clear Sky / Calm
23.03.2022	24.03.2022	246	154	60	16	12	Clear 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	
09.03.2022	10.03.2022	234	148	58	22	18	Clear Sky / Calm
23.03.2022	24.03.2022	224	142	56	20	16	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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	
09.03.2022	10.03.2022	110	60	34	16	12	Clear Sky / Calm
23.03.2022	24.03.2022	126	64	36	12	10	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

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	
09.03.2022	10.03.2022	118	64	36	18	12	Clear Sky / Calm
23.03.2022	24.03.2022	128	72	38	16	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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NOISE LEVEL MONITORING DATA

FAN HOUSE: WNKUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	10.03.2022	45.9	44.4
MARCH'22	26.03.2022	45.9	44.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: WNKUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	10.03.2022	45.7	43.9
MARCH'22	25.03.2022	45.6	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

PIMPALGAON OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




MARCH 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/MAR-22/46	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PIMPALGAON OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	264	172	60	22	18	Clear Sky / Calm
25.03.2022	26.03.2022	270	178	64	20	16	Clear Sky / 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	238	156	58	18	14	Clear Sky / Calm
25.03.2022	26.03.2022	258	154	64	14	12	Clear Sky / 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	118	68	34	10	10	Clear Sky / Calm
25.03.2022	26.03.2022	122	74	38	12	10	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	106	6	36	14	BDL	Clear Sky / Calm
25.03.2022	26.03.2022	14	64	34	12	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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NOISE LEVEL MONITORING DATA

CHP: WNPN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	62.8	60.4
MARCH'22	25.03.2022	66.5	64.3
NOISE POLLUTION (REGULATION AND		75	70

COLONY PRAGATI NAGAR: WNPN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	45.9	43.7
MARCH'22	25.03.2022	45.3	43.4
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 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/MAR-22/47	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.		WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)			
NAME OF AREA		WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT		RAJUR UG		
SAMPLE DESCRIPTION	Air sample			
SAMPLING METHOD : LSOP 4				

NEAR BANDEWADA INCLINE WNRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08.03.2022	09.03.2022	312	206	74	22	18	Clear Sky / Calm
23.03.2022	24.03.2022	324	212	72	28	16	Clear Sky / Calm
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08.03.2022	09.03.2022	246	160	58	20	16	Clear Sky / Calm
23.03.2022	24.03.2022	268	164	60	22	14	Clear Sky / Calm
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08.03.2022	09.03.2022	256	156	62	26	22	Clear Sky / Calm
23.03.2022	24.03.2022	264	174	68	24	18	Clear Sky / Calm
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08.03.2022	09.03.2022	106	60	28	14	10	Clear Sky / Calm
23.03.2022	24.03.2022	118	64	30	12	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: WNRUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.03.2022	7.75	20	56	BDL
23.03.2022	7.3	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

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	10.03.2022	67.9	65.8
MARCH'22	26.03.2022	68.9	67.4
NOISE POLLUTION (REGULATION AND		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	10.03.2022	45.9	44.2
MARCH'22	26.03.2022	45.8	44.3
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

UKNI DEEP OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




MARCH 2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/48	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	UKNI DEEP		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	234	146	52	20	14	Clear Sky / Calm
25.03.2022	26.03.2022	242	164	56	22	16	Clear Sky / 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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	118	60	34	18	12	Clear Sky / Calm
25.03.2022	26.03.2022	126	76	40	12	10	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	110	60	32	12	10	Clear Sky / Calm
20.03.2022	21.03.2022	116	66	34	14	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.03.2022	04.03.2022	118	74	32	14	12	Clear Sky / Calm
19.03.2022	20.03.2022	104	66	36	10	10	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220
SAMPLING METHOD	LSOP 5

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
06.03.2022	6.91	36	56	BDL
31.03.2022	7.48	30	44	BDL
STANDARDS FOR COAL	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
06.03.2022	7.64	40	60	BDL
21.03.2022	7.48	42	72	BDL
STANDARDS FOR COAL	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
06.03.2022	62	16.2
21.03.2022	50	18
GENERAL STANDARDS FOR DISCHARGE OF	100	30



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NOISE LEVEL MONITORING DATA

		CHP: WNUON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	68.5	67.4
MARCH'22	25.03.2022	67.5	65.4
NOISE POLLUTION (REGULATION AND		75	70

		BHALAR COLONY: WNUON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	45.8	44.9
MARCH'22	25.03.2022	44.5	43.2
NOISE POLLUTION (REGULATION AND		55	45

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ENVIRONMENTAL MONITORING REPORT

WANI RAILWAY SIDING

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




MARCH 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/MAR-22/49	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	WANI RAILWAY SIDING		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

NEAR RAILWAY SIDING WNRS1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
03.03.2022	04.03.2022	246	154	56	22	18	Clear Sky / Calm
04.03.2022	05.03.2022	264	158	62	18	14	Clear Sky / Calm
10.03.2022	11.03.2022	240	160	58	20	16	Clear Sky / Calm
11.03.2022	12.03.2022	270	168	60	24	20	Clear Sky / Calm
19.03.2022	20.03.2022	258	140	62	22	16	Clear Sky / Calm
20.03.2022	21.03.2022	236	138	56	18	12	Clear Sky / Calm
25.03.2022	26.03.2022	246	158	68	24	20	Clear Sky / Calm
26.03.2022	27.03.2022	244	146	60	18	14	Clear Sky / Calm
TLV		600	300	-	120	120	

VITTALWADI WNRS3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
03.03.2022	04.03.2022	116	58	36	16	10	Clear Sky / Calm
04.03.2022	05.03.2022	118	60	38	16	12	Clear Sky / Calm
10.03.2022	11.03.2022	130	70	34	12	10	Clear Sky / Calm
11.03.2022	12.03.2022	110	58	26	10	10	Clear Sky / Calm
19.03.2022	20.03.2022	114	60	32	14	10	Clear Sky / Calm
20.03.2022	21.03.2022	126	56	36	16	12	Clear Sky / Calm
25.03.2022	26.03.2022	106	58	34	14	12	Clear Sky / Calm
26.03.2022	27.03.2022	112	60	28	10	10	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

PRAGATI NAGAR WNRS4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
03.03.2022	04.03.2022	110	60	32	14	10	Clear Sky / Calm
04.03.2022	05.03.2022	126	62	34	18	14	Clear Sky / Calm
10.03.2022	11.03.2022	110	54	30	10	10	Clear Sky / Calm
11.03.2022	12.03.2022	114	56	36	14	12	Clear Sky / Calm
19.03.2022	20.03.2022	118	60	34	10	10	Clear Sky / Calm
20.03.2022	21.03.2022	126	56	30	14	10	Clear Sky / Calm
25.03.2022	26.03.2022	134	66	28	16	12	Clear Sky / Calm
26.03.2022	27.03.2022	108	56	38	12	10	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

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Deepanshu Sahu

DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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NOISE LEVEL MONITORING DATA

MASJID NEAR FARM HOUSE		WNRSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	69.7	67.8
MARCH'22	25.03.2022	69.2	66.8
NOISE POLLUTION (REGULATION AND CONTROL)		75	70

NEAR INCHARGE OFFICE:		WNRSN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	11.03.2022	68.6	67.2
MARCH'22	25.03.2022	68.2	65.4
NOISE POLLUTION (REGULATION AND CONTROL)		75	70

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ENVIRONMENTAL MONITORING REPORT

AMBARA OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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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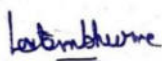
TEST REPORT NO.	RIN/TR/MAR-22/68	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	AMBARA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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	
13.03.2022	19.03.2022	264	177	42	16	12	Clear Sky / Lightbreeze
26.03.2022	27.03.2022	288	192	39	15	11	Clear Sky / 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	
13.03.2022	19.03.2022	254	162	43	15	BDL	Clear Sky / Lightbreeze
26.03.2022	27.03.2022	273	184	38	16	11	Clear Sky / 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	
10.03.2022	11.03.2022	135	90	29	8	BDL	Clear Sky / Lightbreeze
27.03.2022	28.03.2022	123	81	26	9	BDL	Clear Sky / 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	
10.03.2022	11.03.2022	127	86	28	9	BDL	Clear Sky / Lightbreeze
27.03.2022	28.03.2022	119	74	24	10	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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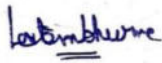


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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C
SAMPLING METHOD	LSOP 5

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
11.03.2022	7.22	28	40	BDL
28.03.2022	7.11	26	36	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

MANAGER OFFICE: KAON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	55.8	53.9
MAR'22	25.03.2022	52.6	52.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN/MAORI): KMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	42.7	4.17
MAR'22	25.03.2022	43.1	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

AMBARA UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/69	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	AMBARA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

SAM OFFICE- AMBARA KAU1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
13.03.2022	14.03.2022	282	182	40	15	BDL	Clear/Lightbreeze
26.03.2022	27.03.2022	261	166	36	14	BDL	Clear/Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE- MOHAN KAU2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
13.03.2022	14.03.2022	254	162	43	15	BDL	Clear/Lightbreeze
26.03.2022	27.03.2022	273	184	38	16	11	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.03.2022	11.03.2022	135	90	29	8	BDL	Clear/Lightbreeze
27.03.2022	28.03.2022	123	81	26	9	BDL	Clear/Lightbreeze
NAAQS, 2009		-	100	60	80	80	

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.03.2022	11.03.2022	127	86	28	9	BDL	Clear/Lightbreeze
27.03.2022	28.03.2022	119	74	24	10	BDL	Clear/Lightbreeze
NAAQS, 2009		-	100	60	80	80	

Latambhume

Analysed by

Deepanshu

Deepanshu sahu
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ENVIRONMENTAL MONITORING REPORT

AREA WORKSHOP

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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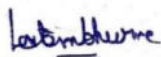
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/70	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	AREA WORKSHOP		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

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	
10.03.2022	11.03.2022	296	188	27	13	BDL	Clear / Lightbreeze
27.03.2022	28.03.2022	288	170	32	15	11	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



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NOISE LEVEL MONITORING DATA

W/S PRIMISES:		KAWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MAR'22	10.03.2022	65.3	64.7
MAR'22	25.03.2022	53.4	52.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

DAMUA OC

KANHAN AREA 

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022


Environment Laboratory

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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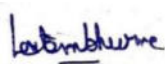
TEST REPORT NO.	RIN/TR/MAR-22/71	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	DAMUA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

OC OFFICE KDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	5	5	2	6	10	Clear / Lightbreeze
25.03.2022	26.03.2022	271	164	41	14	BDL	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE- DAMUA KDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	5	5	2	6	10	Clear / Lightbreeze
25.03.2022	26.03.2022	272	169	33	15	11	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

RESCUE STATION (NEAR INCLINE 24&25) KDOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	5	5	2	6	10	Clear / Lightbreeze
25.03.2022	26.03.2022	284	183	34	13	BDL	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NANDORA VILLAGE KDOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	5	5	2	6	10	Clear / Lightbreeze
25.03.2022	26.03.2022	123	83	29	9	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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NOISE LEVEL MONITORING DATA

NEAR MANAGER OFFICE:		KDON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MAR'22	10.03.2022	55.9	54.7
MAR'22	25.03.2022	43.4	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

DAMUA UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/72	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	DAMUA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE- DAMUA KDUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	272	169	33	15	11	Clear sky /Calm
25.03.2022	26.03.2022	260	151	37	14	BDL	Clear sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

RESCUE STATION (NEAR INCLINE 24&25) KDUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	284	183	34	13	BDL	Clear sky /Calm
25.03.2022	26.03.2022	270	171	41	15	11	Clear sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NANDORA VILLAGE KDUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	123	83	29	9	BDL	Clear sky /Calm
25.03.2022	26.03.2022	112	74	25	10	BDL	Clear sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

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NOISE LEVEL MONITORING DATA

COLONY(DAMUA):		KDUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
MAR'22	10.03.2022	42.7	41.8
MAR'22	25.03.2022	41.6	40.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

GHORAWARI OC

KANHAN AREA 

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/73	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	GHORAWARI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

MANAGER OFFICE-OC KGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	290	196	32	15	BDL	Clear / Calm
26.03.2022	27.03.2022	278	183	39	16	11	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI KJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	270	172	32	14	BDL	Clear / Calm
26.03.2022	27.03.2022	249	157	36	13	BDL	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA KJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	139	94	27	10	BDL	Clear / Calm
27.03.2022	28.03.2022	125	88	23	9	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

PANARA VILLAGE KJUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	138	94	28	9	BDL	Clear / Calm
26.03.2022	27.03.2022	127	86	24	8	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

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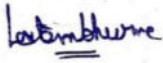
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220
SAMPLING METHOD	LSOP 5

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
10.03.2022	7.59	26	40	BDL
26.03.2022	7.67	24	36	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

MANAGER OFFICE:		KGON1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	57.7	56.2
MAR'22	25.03.2022	45.3	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(JHARNA):		KGON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	42.2	41.8
MAR'22	25.03.2022	42.2	41.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

JHARNA/ GHORAWARI UG

KANHAN AREA 

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/74	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	JHARNA/GHORAWARI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

MANAGER OFFICE- JHARNA UG KJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	283	188	30	15	11	Clear / Calm
26.03.2022	27.03.2022	263	174	35	13	BDL	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI KJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	270	172	32	14	BDL	Clear / Calm
26.03.2022	27.03.2022	249	157	36	13	BDL	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA KJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	139	94	27	10	BDL	Clear / Lightbreeze
27.03.2022	28.03.2022	125	88	23	9	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

PANARA VILLAGE KJUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	138	94	28	9	BDL	Clear / Lightbreeze
26.03.2022	27.03.2022	127	86	24	8	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

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NOISE LEVEL MONITORING DATA

FAN HOUSE: KJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	65.3	66.2
MAR'22	25.03.2022	67.6	67.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	42.2	41.8
MAR'22	25.03.2022	42.2	41.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

MOHAN/ MAORI UG

KANHAN AREA 

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/75	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	MOHAN/MAORI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

SAM OFFICE KAUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13.03.2022	14.03.2022	282	182	40	15	BDL	Clear /Lightbreeze
26.03.2022	27.03.2022	261	166	36	14	BDL	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13.03.2022	14.03.2022	254	162	43	15	BDL	Clear/Lightbreeze
26.03.2022	27.03.2022	273	184	38	16	11	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	135	90	29	8	BDL	Clear/Lightbreeze
27.03.2022	28.03.2022	123	81	26	9	BDL	Clear/Lightbreeze
NAAQS, 2009		-	100	60	80	80	

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	127	86	28	9	BDL	Clear/Lightbreeze
27.03.2022	28.03.2022	119	74	24	10	BDL	Clear/Lightbreeze
NAAQS, 2009		-	100	60	80	80	

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Analysed by

Deepanshu sahu

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NOISE LEVEL MONITORING DATA

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MAR'22	10.03.2022	70.2	69.5
MAR'22	25.03.2022	69.5	69.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN MAORI):		KMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MAR'22	10.03.2022	42.7	4.17
MAR'22	25.03.2022	43.1	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

NANDAN UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-21/76	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NANDAN UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE- NANDAN I UG KNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	283	182	42	14	BDL	Clear / Calm
24.03.2022	25.03.2022	270	163	37	13	BDL	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE NANADAN II UG KNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	266	173	37	15	11	Clear / Calm
24.03.2022	25.03.2022	288	191	41	14	BDL	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HEALTH CENTER-NANADAN UG KNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	121	81	30	9	BDL	Clear / Calm
24.03.2022	25.03.2022	132	92	29	10	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

NANDAN WATER FILTER PLANT KNWA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	123	92	29	10	BDL	Clear / Calm
25.03.2022	26.03.2022	130	83	24	9	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

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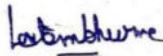
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP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

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
09.03.2022	7.64	22	32	BDL
24.03.2022	7.72	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

FAN HOUSE UG II: KNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	69.4	68.9
MAR'22	25.03.2022	72.6	41.1
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
MAR'22	10.03.2022	42.2	41.7
MAR'22	25.03.2022	42.7	41.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

NANDAN WASHERY

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

CMPDI

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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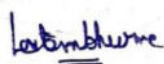
TEST REPORT NO.	RIN/TR/MAR-22/77	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NANDAN WASHERY		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

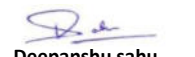
SUBSTATION KNWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	252	164	38	16	11	Clear / Calm
24.03.2022	25.03.2022	272	188	43	14	BDL	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE NANDAN I UG KNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	283	182	42	14	BDL	Clear / Calm
24.03.2022	25.03.2022	270	163	37	13	BDL	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY GUEST HOUSE KNWA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	127	96	30	8	BDL	Clear / Calm
24.03.2022	25.03.2022	115	83	26	10	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

NANDAN WATER FILTER PLANT KNWA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	123	92	29	10	BDL	Clear / Calm
25.03.2022	26.03.2022	130	83	24	9	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	


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NOISE LEVEL MONITORING DATA

WASHERY: KNWN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	10.03.2022	40.3	40.5
MARCH'22	25.03.2022	43.2	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(NANDAN WASHERY): KNWN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	10.03.2022	42.7	41.3
MARCH'22	25.03.2022	44.1	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

TANDSI UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/78	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	TANDSI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

WORKSHOP KTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	259	155	31	13	BDL	Clear / Cal;m
23.03.2022	24.03.2022	274	163	40	14	10	Clear / Lightbreeze
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	263	188	38	16	11	Clear / Cal;m
23.03.2022	24.03.2022	281	172	43	15	10	Clear / Lightbreeze
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	119	74	29	8	BDL	Clear / Cal;m
23.03.2022	24.03.2022	134	82	26	9	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

JET HOSTEL KTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	123	81	26	8	BDL	Clear / Cal;m
23.03.2022	24.03.2022	140	92	29	10	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

MINE WATER DISCHARGE: KTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.03.2022	7.59	30	32	BDL
23.03.2022	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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NOISE LEVEL MONITORING DATA

FAN HOUSE:		KTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MAR'22	10.03.2022	69.8	68.8
MAR'22	25.03.2022	71.8	71.1
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
MAR'22	10.03.2022	42.5	41.5
MAR'22	25.03.2022	42.3	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

BARKUHI OC

PENCH AREA 

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		
TEST REPORT NO.	RIN/TR/MAR-22/55	DATE OF ISSUE	12.04.2022	
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR			
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)			
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47		
NAME OF PROJECT	BARKUHI OC			
SAMPLE DESCRIPTION	Air sample			
SAMPLING METHOD : LSOP 4				

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.03.2022	13.03.2022	264	189	59	22	BDL	Clear / Lightbreeze
25.03.2022	26.03.2022	287	173	54	20	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.03.2022	13.03.2022	274	171	54	21	BDL	Clear / Lightbreeze
25.03.2022	26.03.2022	263	168	50	20	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.03.2022	13.03.2022	274	183	58	22	BDL	Clear / Lightbreeze
25.03.2022	26.03.2022	269	172	52	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.03.2022	13.03.2022	146	87	40	15	BDL	Clear / Lightbreeze
25.03.2022	26.03.2022	136	74	36	14	BDL	Clear / calm
NAAQS, 2009		-	100	60	80	80	



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NOISE LEVEL MONITORING DATA

NEAR BARKUI HOSPITAL:		PBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	10.03.2022	45.4	43.8
MARCH'22	25.03.2022	50.3	49.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

CHANDAMETA WORKSHOP

PENCH AREA 

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/56	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	CHANDAMETA WORKSHOP		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.03.2022	13.03.2022	274	183	58	22	BDL	CLEAR / LIGHTBREEZE
25.03.2022	26.03.2022	269	172	52	21	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH September 2000		600	300	-	120	120	



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NOISE LEVEL MONITORING DATA

NEAR CHANDAMETA WORKSHOP:		PCWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MARCH'22	10.03.2022	47.5	45.9
MARCH'22	25.03.2022	57.8	56.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

CHINDA OC

PENCH AREA

WESTERN COALFIELDS LTD.

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MARCH 2022


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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.		RIN/TR/MAR-22/57	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.		WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)			
NAME OF AREA		PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT		CHINDA OC		
SAMPLE DESCRIPTION	Air sample			
SAMPLING METHOD : LSOP 4				

SAM OFFICE PCOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.03.2022	11.03.2022	292	196	60	22	BDL	CLEAR/ LIGHTBREEZE
25.03.2022	26.03.2022	283	179	56	20	BDL	CLEAR/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CHINDA OC - SITE PCOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.03.2022	11.03.2022	268	163	56	21	BDL	CLEAR/ LIGHTBREEZE
24.03.2022	25.03.2022	278	172	52	20	BDL	CLEAR/ LIGHTBREEZE
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11.03.2022	12.03.2022	138	84	36	15	BDL	CLEAR/ LIGHTBREEZE
24.03.2022	25.03.2022	142	79	32	13	BDL	CLEAR/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

CHINDA COLONY PSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.03.2022	11.03.2022	136	74	34	13	BDL	CLEAR/ LIGHTBREEZE
24.03.2022	25.03.2022	152	91	38	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

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
12.03.2022	7.28	48	36	BDL
26.03.2022	7.80	52	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

NEAR MANAGER OFFICE:		PCON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	45.9	44.1
MAR'22	25.03.2022	56.1	54.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA:		PCON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	45.3	43.5
MAR'22	25.03.2022	45.2	44
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

GANPATI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH- 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/58	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GANPATI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

LAMP ROOM PGUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	294	188	58	23	BDL	CLEAR/ LIGHTBREEZE
20.03.2022	21.03.2022	274	168	52	20	BDL	CLEAR/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH September 2000		600	300	-	120	120	


MANAGER OFFICE PMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	279	174	56	21	BDL	CLEAR/ LIGHTBREEZE
20.03.2022	21.03.2022	263	158	54	20	BDL	CLEAR/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY EDC DISPENSARY PGUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	141	82	38	14	BDL	CLEAR/ LIGHTBREEZE
20.03.2022	21.03.2022	134	79	36	13	BDL	CLEAR/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

GUEST HOUSE PARASIA PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	148	87	38	14	BDL	CLEAR/ LIGHTBREEZE
20.03.2022	21.03.2022	136	82	34	13	BDL	CLEAR/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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NOISE LEVEL MONITORING DATA

FAN HOUSE: PGUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	45.9	44.2
MAR'22	25.03.2022	45.6	44
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PGUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	44.5	43.6
MAR'22	25.03.2022	46.1	45.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

JAMUNIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/59	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	JAMUNIA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE PJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	291	168	54	22	BDL	CLEAR/ LIGHTBREEZE
21.03.2022	22.03.2022	284	172	52	20	BDL	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION PJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	286	183	56	21	BDL	CLEAR/ LIGHTBREEZE
22.03.2022	23.03.2022	269	171	52	19	BDL	CLOUDY/WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JAMUNIA VILLAGE PJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	146	91	42	15	BDL	CLEAR/ LIGHTBREEZE
22.03.2022	23.03.2022	136	87	39	14	BDL	CLOUDY/WINDY
NAAQS, 2009		-	100	60	80	80	

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	148	88	36	14	BDL	CLEAR/ LIGHTBREEZE
21.03.2022	22.03.2022	139	82	38	12	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

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
07.03.2022	7.32	34	28	BDL
22.03.2022	7.46	42	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

MANAGER OFFICE:		PJUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MAR'22	10.03.2022	45.6	43.3
MAR'22	25.03.2022	55.5	54.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

MAHADEOPURI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/60	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	MAHADEOPURI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	279	174	56	21	BDL	CLEAR/ LIGHTBREEZE
20.03.2022	21.03.2022	263	158	54	20	BDL	CLEAR/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH September 2000		600	300	-	120	120	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	294	188	58	23	BDL	CLEAR/ LIGHTBREEZE
20.03.2022	21.03.2022	274	168	52	20	BDL	CLEAR/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	148	87	38	14	BDL	CLEAR/ LIGHTBREEZE
20.03.2022	21.03.2022	136	82	34	13	BDL	CLEAR/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	141	82	38	14	BDL	CLEAR/ LIGHTBREEZE
20.03.2022	21.03.2022	134	79	36	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

MINE WATER DISCHARGE: PMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.03.2022	7.23	46	36	BDL
23.03.2022	7.42	40	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

FAN HOUSE: PMUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	69.8	68.1
MAR'22	25.03.2022	61.3	57.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	45.3	43.7
MAR'22	25.03.2022	45.4	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

NEHARIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

CMPDI

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
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TEST REPORT NO.	RIN/TR/MAR-22/61	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEHARIA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	289	182	56	21	BDL	CLEAR/ LIGHTBREEZE
21.03.2022	22.03.2022	273	172	52	20	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	296	183	58	23	BDL	CLEAR/ LIGHTBREEZE
21.03.2022	22.03.2022	272	176	54	22	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	138	89	42	14	BDL	CLEAR/ LIGHTBREEZE
21.03.2022	22.03.2022	142	94	44	13	BDL	CLEAR/ CALM
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	148	88	36	14	BDL	CLEAR/ LIGHTBREEZE
21.03.2022	22.03.2022	139	82	38	12	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

MINE WATER DISCHARGE: PNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.03.2022	7.64	52	44	BDL
21.03.2022	7.36	54	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

FAN HOUSE:		PNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT		20
MAR'22	10.03.2022	69.3	68.1
MAR'22	25.03.2022	56.6	55.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		PNUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT		20
MAR'22	10.03.2022	45.5	43.8
MAR'22	25.03.2022	45.4	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

NEW SETHIA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/62	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEW SETHIA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	273	176	52	20	BDL	CLEAR/ LIGHTBREEZE
20.03.2022	21.03.2022	258	163	50	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	292	196	60	22	BDL	CLEAR/ LIGHTBREEZE
25.03.2022	26.03.2022	283	179	56	20	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	142	93	38	14	BDL	CLEAR/ LIGHTBREEZE
24.03.2022	25.03.2022	148	84	34	13	BDL	CLEAR/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.03.2022	11.03.2022	136	74	34	13	BDL	CLEAR/ LIGHTBREEZE
24.03.2022	25.03.2022	152	91	38	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

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
10.03.2022	7.18	54	40	BDL
25.03.2022	7.34	46	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

NEAR MANAGER OFFICE:		PSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MAR'22	10.03.2022	50.7	46.3
MAR'22	25.03.2022	54.5	53.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA:		PCON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MAR'22	10.03.2022	45.3	43.5
MAR'22	25.03.2022	45.2	44
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

SHIVPURI OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/63	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-1/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SHIVPURI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	283	188	54	20	BDL	CLEAR/ LIGHTBREEZE
23.03.2022	24.03.2022	274	162	50	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	
09.03.2022	10.03.2022	293	188	58	22	BDL	CLEAR/ LIGHTBREEZE
24.03.2022	25.03.2022	263	174	52	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	
09.03.2022	10.03.2022	138	84	36	15	BDL	CLEAR/ LIGHTBREEZE
23.03.2022	24.03.2022	142	79	32	13	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	
11.03.2022	12.03.2022	142	93	38	14	BDL	CLEAR/ LIGHTBREEZE
24.03.2022	25.03.2022	148	84	34	13	BDL	CLEAR/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



Analysed by


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NOISE LEVEL MONITORING DATA

NEAR MANAGER OFFICE:		PSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	48.1	46.2
MAR'22	25.03.2022	55.7	54.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		PV2UN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	10.03.2022	44.2	43.2
MARCH'22	25.03.2022	45.2	44
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

THESGORA MATHANI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-21/64	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	THESGORA MATHANI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.03.2022	09.03.2022	147	89	40	14	BDL	CLEAR/ LIGHTBREEZE
23.03.2022	24.03.2022	134	78	38	13	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	
08.03.2022	09.03.2022	298	189	57	22	BDL	CLEAR/ LIGHTBREEZE
23.03.2022	24.03.2022	274	166	54	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	
08.03.2022	09.03.2022	287	179	56	22	BDL	CLEAR/ LIGHTBREEZE
23.03.2022	24.03.2022	263	168	52	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	
08.03.2022	09.03.2022	148	93	42	14	BDL	CLEAR/ LIGHTBREEZE
22.03.2022	23.03.2022	143	87	40	15	BDL	CLOUDY/ WINDY
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

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
08.03.2022	7.52	48	36	BDL
22.03.2022	7.28	38	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

FAN HOUSE-MATHANI: PTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	69.6	68.4
MAR'22	25.03.2022	55.2	54.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY-THESGORA: PTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	45.4	44.3
MAR'22	25.03.2022	45.8	44.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

URDHAN OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/65	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	URDHAN OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

URDHAN MANAGER OFFICE PUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	283	184	56	22	BDL	CLEAR/ LIGHTBREEZE
22.03.2022	23.03.2022	271	179	52	21	BDL	CLOUDY/ WINDY
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.03.2022	08.03.2022	142	88	36	13	BDL	CLEAR/ LIGHTBREEZE
22.03.2022	23.03.2022	136	74	34	12	BDL	CLOUDY/ WINDY
NAAQS, 2009		-	100	60	80	80	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	138	89	42	14	BDL	CLEAR/ LIGHTBREEZE
21.03.2022	22.03.2022	142	94	44	13	BDL	CLEAR/ CALM
NAAQS, 2009		-	100	60	80	80	

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.03.2022	07.03.2022	148	88	36	14	BDL	CLEAR/ LIGHTBREEZE
21.03.2022	22.03.2022	139	82	38	12	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

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
07.03.2022	7.52	58	40	BDL
22.03.2022	7.48	46	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

MANAGER OFFICE: PUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	49.7	47.2
MAR'22	25.03.2022	57.8	56.5
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



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/67	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	VISHNUPURI-II UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE PV1UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	287	184	56	22	BDL	CLEAR / LIGHTBREEZE
24.03.2022	25.03.2022	276	164	52	20	BDL	CLEAR / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	293	188	58	22	BDL	CLEAR / LIGHTBREEZE
24.03.2022	25.03.2022	263	174	52	19	BDL	CLEAR / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	138	84	36	15	BDL	CLEAR / LIGHTBREEZE
23.03.2022	24.03.2022	142	79	32	13	BDL	CLEAR / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	142	93	38	14	BDL	CLEAR / LIGHTBREEZE
24.03.2022	25.03.2022	148	84	34	13	BDL	CLEAR / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



Analysed by


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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

MINE WATER DISCHARGE: PV2UW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.03.2022	7.63	42	36	BDL
24.03.2022	7.46	44	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


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NOISE LEVEL MONITORING DATA

FAN HOUSE UG-II:		PV2UN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MAR'22	10.03.2022	69.2	67.5
MAR'22	25.03.2022	56.8	55.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(VISHNUPURI-I):		PV1UN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MAR'22	10.03.2022	44.9	43.6
MAR'22	25.03.2022	45.5	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

VISHNUPURI-I UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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TEST REPORT NO.	RIN/TR/MAR-22/66	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	VISHNUPURI-I UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

SAM OFFICE PV1UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	287	184	56	22	BDL	CLEAR/ LIGHTBREEZE
24.03.2022	25.03.2022	276	164	52	20	BDL	CLEAR/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	293	188	58	22	BDL	CLEAR/ LIGHTBREEZE
24.03.2022	25.03.2022	263	174	52	19	BDL	CLEAR/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.03.2022	10.03.2022	138	84	36	15	BDL	CLEAR/ LIGHTBREEZE
23.03.2022	24.03.2022	142	79	32	13	BDL	CLEAR/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.03.2022	12.03.2022	142	93	38	14	BDL	CLEAR/ LIGHTBREEZE
24.03.2022	25.03.2022	148	84	34	13	BDL	CLEAR/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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NOISE LEVEL MONITORING DATA

FAN HOUSE UG-I:		PV1UN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	48.3	47.1
MAR'22	25.03.2022	57.1	56.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		PV2UN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	10.03.2022	44.9	43.6
MAR'22	25.03.2022	45.5	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

CHATTARPUR I & II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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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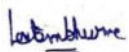
TEST REPORT NO.	RIN/TR/MAR-22/79	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)		
NAME OF AREA	PATHARKHERA	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	CHATTARPUR I & II UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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	
		5	5	2	6	10	
06.03.2022	07.03.2022	264	177	34	14	BDL	Clear/Lightbreeze
22.03.2022	23.03.2022	290	192	31	13	BDL	Clear/Lightbreeze
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	
		5	5	2	6	10	
06.03.2022	07.03.2022	260	167	37	13	BDL	Clear/Lightbreeze
22.03.2022	23.03.2022	284	183	32	12	BDL	Clear/Lightbreeze
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	
		5	5	2	6	10	
06.03.2022	07.03.2022	283	187	43	16	11	Clear/Lightbreeze
22.03.2022	23.03.2022	261	166	38	14	BDL	Clear/Lightbreeze
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	
		5	5	2	6	10	
06.03.2022	07.03.2022	105	83	26	10	BDL	Clear/Lightbreeze
22.03.2022	23.03.2022	119	90	30	8	BDL	Clear/Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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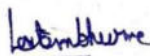
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C
SAMPLING METHOD	LSOP 5

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
06.03.2022	7.77	22	32	BDL
22.03.2022	7.7	36	40	BDL
STANDARDS FOR COAL	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
06.03.2022	7.52	28	36	BDL
22.03.2022	7.63	24	32	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10


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NOISE LEVEL MONITORING DATA

FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	05.03.2022	69.7	68.5
MAR'22	21.03.2022	42.8	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-II UG:		PKCUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	05.03.2022	70.2	69.7
MAR'22	21.03.2022	72.8	71.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		PKCUN3	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAR'22	05.03.2022	42.3	41.9
MAR'22	21.03.2022	42.8	41.6
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



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/80	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance		
NAME OF AREA	PATHARKHERA	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SARNI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.03.2022	04.03.2022	271	183	34	16	12	Clear / Lightbreeze
19.03.2022	20.03.2022	255	167	37	14	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.03.2022	04.03.2022	251	163	30	14	BDL	Clear / Lightbreeze
19.03.2022	20.03.2022	274	188	32	13	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.03.2022	04.03.2022	136	96	24	9	BDL	Clear / Lightbreeze
19.03.2022	20.03.2022	123	84	29	8	BDL	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.03.2022	04.03.2022	122	84	22	10	BDL	Clear / Lightbreeze
19.03.2022	20.03.2022	112	73	26	8	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

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Analysed by

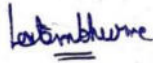
Deepanshu

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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C
SAMPLING METHOD	LSOP 5

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
04.03.2022	7.60	28	36	BDL
19.03.2022	7.72	32	44	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MARCH'22	05.03.2022	69.4	68.9
MARCH'22	21.03.2022	72.4	71
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
MARCH'22	05.03.2022	42	41.3
MARCH'22	21.03.2022	42.6	41.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

SHOBHAPUR UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022


Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
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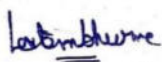
TEST REPORT NO.	RIN/TR/MAR-22/81	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)		
NAME OF AREA	PATHARKHERA	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SHOBHAPUR UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.03.2022	05.03.2022	260	169	33	13	BDL	Clear / Lightbreeze
20.03.2022	21.03.2022	277	187	38	15	11	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	
04.03.2022	05.03.2022	274	187	36	15	11	Clear / Lightbreeze
20.03.2022	21.03.2022	289	171	32	13	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	
04.03.2022	05.03.2022	116	70	24	9	BDL	Clear / Lightbreeze
20.03.2022	21.03.2022	133	88	29	8	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	
04.03.2022	05.03.2022	109	73	29	8	BDL	Clear / Lightbreeze
20.03.2022	21.03.2022	123	84	33	10	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



Analysed by



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NOISE LEVEL MONITORING DATA

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
MARCH'22	05.03.2022	40.3	40.1
MARCH'22	21.03.2022	52.7	51.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SHOBHAPUR):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIHT TIME
MARCH'22	05.03.2022	42	40.7
MARCH'22	21.03.2022	44.6	43.5
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



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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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/MAR-22/82	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PATHARKHERA	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	TAWA-II UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

MANAGER OFFICE- TAWA II PKT2UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	267	176	33	14	11	Clear / Calm
21.03.2022	22.03.2022	281	191	36	15	10	Clear / Lightbreeze
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	263	170	38	13	BDL	Clear / Calm
21.03.2022	22.03.2022	282	189	31	15	BDL	Clear / Lightbreeze
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	119	89	27	8	BDL	Clear / Calm
21.03.2022	22.03.2022	129	94	30	10	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

HIRA PALLA/BHAGAIKHAPA VILLAGE PKT2UA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	110	74	26	10	BDL	Clear / Calm
21.03.2022	22.03.2022	129	89	30	8	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

Latimkhurme

Analysed by

Deepanshu

Deepanshu sahu
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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
SAMPLING METHOD	LSOP 5

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
05.03.2022	7.6	28	40	BDL
21.03.2022	7.71	34	44	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

FAN HOUSE:		PKTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	05.03.2022	69.8	67.9
MARCH'22	21.03.2022	70.9	69.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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ENVIRONMENTAL MONITORING REPORT

TAWA UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



MARCH 2022

Environment Laboratory

NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022

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/MAR-22/83	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PATHERKHERA	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	TAWA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE PKTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	263	170	38	13	BDL	Clear / Calm
21.03.2022	22.03.2022	282	189	31	15	BDL	Clear / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE- TAWA II PKT2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	267	176	33	14	11	Clear / Calm
21.03.2022	22.03.2022	281	191	36	15	10	Clear / Lightbreeze
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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	119	89	27	8	BDL	Clear / Calm
21.03.2022	22.03.2022	129	94	30	10	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

HIRA PALLA/BHAGAIKHAPA VILLAGE PKT2UA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.03.2022	06.03.2022	110	74	26	10	BDL	Clear / Calm
21.03.2022	22.03.2022	129	89	30	8	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

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Analysed by

Deepanshu sahu

Deepanshu sahu
Authorised Signatory

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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

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
05.03.2022	7.8	28	44	BDL
21.03.2022	7.74	22	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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NOISE LEVEL MONITORING DATA

FAN HOUSE: PKTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	05.03.2022	72.4	71.8
MARCH'22	21.03.2022	70.2	68.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(TAWA): PKTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	05.03.2022	42.7	41.3
MARCH'22	21.03.2022	42.8	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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ENVIRONMENTAL MONITORING REPORT

CWS TADALI

CWS TADALI

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



MARCH 2022

Environment Laboratory
NABL ACCREDITED VIDE NO TC-7102 UP TO 28.06.2022
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/MAR-22/84	DATE OF ISSUE	12.04.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/178-193 DATED: 23.04.2021		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	CWS TADALI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	CWS TADALI		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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	
03.03.2022	04.03.2022	238	142	42	11	BDL	Clear Sky / Lightbreeze
19.03.2022	20.03.2022	228	138	47	10	BDL	Clear Sky / Lightbreeze
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	
03.03.2022	04.03.2022	165	82	34	8	BDL	Clear Sky / Lightbreeze
19.03.2022	20.03.2022	177	88	36	9	BDL	Clear Sky / Lightbreeze
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	
03.03.2022	04.03.2022	154	75	26	7	BDL	Clear Sky / Lightbreeze
19.03.2022	20.03.2022	167	82	28	6	BDL	Clear Sky / Lightbreeze
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	
03.03.2022	04.03.2022	132	65	28	6	BDL	Clear Sky / Lightbreeze
19.03.2022	20.03.2022	138	56	22	7	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

J. Shrivastava

Analysed by

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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

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
03.03.2022	7.78	18	28	2.6
19.03.2022	8.12	22	32	2.4
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

NEAR WORKSHOP: CWSN1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	12.03.2022	46.2	46.9
MARCH'22	23.03.2022	48.6	45.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(CWS): CWSN2			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MARCH'22	12.03.2022	45.4	44.2
MARCH'22	23.03.2022	45.7	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45