



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

BALLARPUR OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/OCT-23/41	DATE OF ISSUE	28-11-2023		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23			

MANAGER OFFICE-BALLARPUR UG BBUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
14-10-2023	15-10-2023	284	172	52	18	12	CLEAR SKY / CALM
29-10-2023	30-10-2023	292	190	59	16	10	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

SUBSTATION BBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
14-10-2023	15-10-2023	246	162	50	16	11	CLEAR SKY / CALM
29-10-2023	30-10-2023	276	179	58	15	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE BBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
14-10-2023	15-10-2023	276	170	50	14	BDL	CLEAR SKY / CALM
29-10-2023	30-10-2023	258	159	42	15	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

FILTER PLANT COLONY BBUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
14-10-2023	15-10-2023	79	32	12	BDL	CLEAR SKY / CALM	
29-10-2023	30-10-2023	84	40	14	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7182
---	--------------------	--

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
30-10-2023	31-10-2023	423	326	CLEAR SKY / CALM

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
30-10-2023	31-10-2023	496	349	CLEAR SKY / CALM

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
30-10-2023	31-10-2023	428	310	CLEAR SKY / CALM



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
14-10-2023	7.46	48	60	BDL
29-10-2023	7.50	36	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP: BBUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	14-10-2023	65.8	64.9
OCT'23	28-10-2023	66.9	65.8
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
OCT'23	14-10-2023	42.9	41.8
OCT'23	28-10-2023	43.8	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

BALLARPUR UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

TEST REPORT NO.	RIN/TR/OCT-23/42	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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	
14-10-2023	15-10-2023	5	5	2	6	10	CLEAR SKY / CALM
29-10-2023	30-10-2023	284	172	52	18	12	CLEAR SKY / CALM
29-10-2023	30-10-2023	292	190	59	16	10	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
14-10-2023	15-10-2023	5	5	2	6	10	CLEAR SKY / CALM
29-10-2023	30-10-2023	246	162	50	16	11	CLEAR SKY / CALM
29-10-2023	30-10-2023	276	179	58	15	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
14-10-2023	15-10-2023	5	5	2	6	10	CLEAR SKY / CALM
29-10-2023	30-10-2023	276	170	50	14	BDL	CLEAR SKY / CALM
29-10-2023	30-10-2023	258	159	42	15	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	PM ₁₀	PM _{2.5}	No ₂	So ₂	
14-10-2023	15-10-2023	5	2	6	10	CLEAR SKY / CALM
29-10-2023	30-10-2023	79	32	12	BDL	CLEAR SKY / CALM
29-10-2023	30-10-2023	84	40	14	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
14-10-2023	8.07	52	60	BDL
29-10-2023	7.84	48	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE: BBUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	14-10-2023	69.8	68.7
OCT'23	28-10-2023	69.7	68.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: BBUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	14-10-2023	42.9	41.8
OCT'23	28-10-2023	43.8	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

GOURI-I & II (A) OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/44	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

MANAGER OFFICE-GOURI-I OC BGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
11-10-2023	12-10-2023	280	190	58	16	11	Clear Sky / Calm
26-10-2023	27-10-2023	270	164	42	14	10	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE GOURI SUB AREA BGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
11-10-2023	12-10-2023	260	152	45	18	13	Clear Sky / Calm
27-10-2023	28-10-2023	272	169	51	12	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT BSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
05-10-2023	06-10-2023	75	35	12	BDL	Clear Sky / Calm	
06-10-2023	07-10-2023	80	42	14	BDL	Clear Sky / Calm	
12-10-2023	13-10-2023	78	28	12	BDL	Clear Sky / Calm	
13-10-2023	14-10-2023	65	34	11	BDL	Clear Sky / Calm	
19-10-2023	20-10-2023	73	36	13	BDL	Clear Sky / Calm	
20-10-2023	21-10-2023	76	32	14	BDL	Clear Sky / Calm	
26-10-2023	27-10-2023	84	40	10	BDL	Clear Sky / Calm	
27-10-2023	28-10-2023	72	36	12	BDL	Clear Sky / Calm	
NAAQS, 2009		100	60	80	80		

GOURI VILLAGE BGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
11-10-2023	12-10-2023	79	38	12	BDL	Clear Sky / Calm	
26-10-2023	27-10-2023	60	32	10	BDL	Clear Sky / Calm	
NAAQS, 2009		100	60	80	80		



Analysed by

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

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

GOURI I & II OC CHP BGUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
28-10-2023	29-10-2023	5	5	Clear Sky / Calm
		476	378	
GOURI I & II OC W BRIDGE BGUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
28-10-2023	29-10-2023	5	5	Clear Sky / Calm
		396	291	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
11-10-2023	7.56	28	44	BDL
27-10-2023	7.44	32	48	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
11-10-2023	7.79	28	36	BDL
27-10-2023	6.79	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP: BGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	14-10-2023	64.9	63.5
OCT'23	28-10-2023	65.5	64.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	14-10-2023	43.9	42.5
OCT'23	28-10-2023	43.8	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

GOURI DEEP OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7182
---	--------------------	--

TEST REPORT NO.	RIN/TR/OCT-23/43	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSPQ 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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	
10-10-2023	11-10-2023	270	169	40	16	10	CLEAR SKY / CALM
26-10-2023	27-10-2023	282	182	52	18	12	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

MUTRA VILLAGE		BGDO2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	PM ₁₀	PM _{2.5}	No _x	So _x		
10-10-2023	11-10-2023	76	32	14	BDL	BDL	CLEAR SKY / CALM
23-10-2023	24-10-2023	70	36	12	BDL	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	80	

GOYEGAON VILLAGE		BGDO3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	PM ₁₀	PM _{2.5}	No _x	So _x		
10-10-2023	11-10-2023	80	40	17	BDL	BDL	CLEAR SKY / CALM
23-10-2023	24-10-2023	86	45	15	BDL	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	80	

ANTARGAON VILLAGE		BGDO4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	PM ₁₀	PM _{2.5}	No _x	So _x		
10-10-2023	11-10-2023	72	32	12	BDL	BDL	CLEAR SKY / CALM
26-10-2023	27-10-2023	60	28	14	BDL	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	80	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

WEIGH BRIDGE BGDOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
10-10-2023	11-10-2023	392	278	CLEAR SKY / CALM

CHP BGDOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
10-10-2023	11-10-2023	420	326	CLEAR SKY / CALM



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
10-10-2023	7.40	40	52	BDL
26-10-2023	7.99	48	60	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
10-10-2023	7.84	32	44	BDL
26-10-2023	7.65	36	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	14-10-2023	57.5	56.6
OCT'23	28-10-2023	58.6	57.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP		BGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	14-10-2023	65.9	64.8
OCT'23	28-10-2023	66.5	65.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

NEW DHOPTALA OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/45	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
13-10-2023	14-10-2023	265	162	50	16	BDL	Clear Sky / Calm
28-10-2023	29-10-2023	276	179	56	12	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
13-10-2023	14-10-2023	296	194	62	16	BDL	Clear Sky / Calm
29-10-2023	30-10-2023	282	178	54	15	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07-10-2023	08-10-2023	92	45	16	BDL	Clear Sky / Calm
21-10-2023	22-10-2023	84	38	14	BDL	Clear Sky / Calm
					80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂	
10-10-2023	11-10-2023	76	32	14	BDL	Clear Sky / Calm
23-10-2023	24-10-2023	70	36	12	BDL	Clear Sky / Calm
NAAQS, 2009		100	60	80	80	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE BNDOF1		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
13-Oct-23	14-Oct-23	476	374	Clear Sky / Calm

DATE(dd:mm:yy) OF SAMPLING		CHP/Coal Mine Point BNDOF2		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
30-Oct-23	31-Oct-23	420	342	Clear Sky / Calm



Analysed by


Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

MINE WATER DISCHARGE: BNDOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-10-2023	7.99	36	60	BDL
28-10-2023	7.65	28	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP: BNDON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	14-10-2023	64.7	63.6
OCT'23	28-10-2023	65.6	64.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY: BSUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	14-10-2023	43.6	42.5
OCT'23	28-10-2023	44.5	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

PAUNI II OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/47	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

MINE OFFICE BP20A1							
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	
07-10-2023	08-10-2023	278	176	54	16	11	Rainy sky /Light Breeze
21-10-2023	22-10-2023	262	169	39	14	BDL	Rainy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SUBSTATION BP20A2							
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	
07-10-2023	08-10-2023	245	136	32	14	BDL	Rainy sky /Light Breeze
21-10-2023	22-10-2023	256	145	38	12	BDL	Rainy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAKHARI VILLAGE BP20A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
05-10-2023	06-10-2023	60	30	12	BDL	Rainy sky / Light Breeze	
06-10-2023	07-10-2023	72	38	14	BDL	Rainy sky / Light Breeze	
12-10-2023	13-10-2023	84	42	12	BDL	Rainy sky / Light Breeze	
13-10-2023	14-10-2023	70	34	13	BDL	Rainy sky / Light Breeze	
19-10-2023	20-10-2023	62	28	12	BDL	Cloudy Sky /Calm	
20-10-2023	21-10-2023	70	32	11	BDL	Rainy sky /	
26-10-2023	27-10-2023	89	40	10	BDL	Clear Sky / Calm	
27-10-2023	28-10-2023	76	36	12	BDL	Clear Sky / Calm	
NAAQS, 2009		100	60	80	80		

WORKSHOP PAUNI OC BPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
12-10-2023	13-10-2023	270	152	34	16	BDL	Rainy/ Light Breeze
27-10-2023	28-10-2023	284	170	52	17	12	Rainy/ Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

WEIGH BRIDGE BNDOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
26-Oct-23	27-Oct-23	430	336	

CHP BNDOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
27-Oct-23	28-Oct-23	398	296	




Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7002
---	--------------------	--

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
07-10-2023	8.07	36	60	BDL
20-10-2023	7.85	32	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25-09- 2000	5.5 - 9.0	100	250	10


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	14-10-2023	56.7	55.8
OCT'23	28-10-2023	57.8	56.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP		BPON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	14-10-2023	66.8	65.9
OCT'23	28-10-2023	67.9	66.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

PAUNI OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/46	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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	
12-10-2023	13-10-2023	310	210	52	18	12	CLEAR SKY / CALM
27-10-2023	28-10-2023	290	170	46	15	10	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
12-10-2023	13-10-2023	256	152	40	14	10	CLEAR SKY / CALM
27-10-2023	28-10-2023	270	162	48	13	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PAUNI VILLAGE BPOA3							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
12-10-2023	13-10-2023	79	34	12	BDL	CLEAR SKY / CALM	
27-10-2023	28-10-2023	84	42	13	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

GOURI VILLAGE BGOA4							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
11-10-2023	12-10-2023	72	30	14	BDL	CLEAR SKY / CALM	
26-10-2023	27-10-2023	80	34	12	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		


Analysed by

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


FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE BNDOF1		ENVIRONMENT CONDITIONS (Sky/Wind)
PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		SPM	PM ₁₀	
FROM	to	5	5	
30-Oct-23	31-Oct-23	496	310	CLEAR SKY / CALM



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15-09-2023	16-10-23 TO	15-11-23

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
11-10-2023	7.80	36	40	BDL
27-10-2023	7.54	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BPOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-10-2023	8.00	32	48	BDL
27-10-2023	7.96	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	14-10-2023	55.6	54.7
OCT'23	28-10-2023	56.7	55.6
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
OCT'23	14-10-2023	43.9	42.5
OCT'23	28-10-2023	43.8	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

SASTI OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 <small>TC-7182</small>
---	--------------------	---

TEST REPORT NO.	RIN/TR/OCT-23/48	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

SAM OFFICE-SASTI OC BSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07-10-2023	08-10-2023	297	220	60	19	12	CLEAR SKY / CALM
21-10-2023	22-10-2023	276	179	54	15	10	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	


AREA STORE BSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07-10-2023	08-10-2023	246	145	40	16	10	CLEAR SKY / CALM
21-10-2023	22-10-2023	266	159	52	12	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT BSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
05-10-2023	06-10-2023	86	38	12	BDL	CLEAR SKY / CALM	
06-10-2023	07-10-2023	80	32	13	BDL	CLEAR SKY / CALM	
12-10-2023	13-10-2023	72	40	12	BDL	CLEAR SKY / CALM	
13-10-2023	14-10-2023	89	39	10	BDL	CLEAR SKY / CALM	
19-10-2023	20-10-2023	65	26	11	BDL	CLEAR SKY / CALM	
20-10-2023	21-10-2023	74	28	14	BDL	CLEAR SKY / CALM	
26-10-2023	27-10-2023	81	32	13	BDL	CLEAR SKY / CALM	
27-10-2023	28-10-2023	89	40	12	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
05-10-2023	06-10-2023	74	39	12	BDL	CLEAR SKY / CALM	
06-10-2023	07-10-2023	72	34	14	BDL	CLEAR SKY / CALM	
12-10-2023	13-10-2023	64	28	12	BDL	CLEAR SKY / CALM	
13-10-2023	14-10-2023	76	30	10	BDL	CLEAR SKY / CALM	
19-10-2023	20-10-2023	82	34	11	BDL	CLEAR SKY / CALM	
20-10-2023	21-10-2023	70	36	13	BDL	CLEAR SKY / CALM	
26-10-2023	27-10-2023	76	37	12	BDL	CLEAR SKY / CALM	
27-10-2023	28-10-2023	84	39	10	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---


FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance document		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES: 16-10-23 TO 15-11-23		

WEIGH BRIDGE BSOF1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	S	S		
21-Oct-23	22-Oct-23	420	310	CLEAR SKY / CALM	
MAIN CHP BSOF2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)	
		SPM	PM ₁₀		
FROM	TO	S	S		
21-Oct-23	22-Oct-23	510	370	CLEAR SKY / CALM	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23


MINE WATER DISCHARGE:		BSOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-10-2023	8.05	32	60	BDL
20-10-2023	7.95	36	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE:		BSOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-10-2023	7.96	32	64	BDL
20-10-2023	7.45	28	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	
07-10-2023	32	12.4	
20-10-2023	28	10.2	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP:		BSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	14-10-2023	63.8	62.9
OCT'23	28-10-2023	64.7	63.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		75	70

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	14-10-2023	43.9	42.5
OCT'23	28-10-2023	43	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

SASTI UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-23/49		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23	
LQR 47					

SAM OFFICE-DHOPTALA SUB AREA BND0A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
13-10-2023	14-10-2023	265	162	50	16	BDL	CLEAR SKY / CALM
28-10-2023	29-10-2023	276	179	56	12	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

MANAGER OFFICE-DHOPTALA OC BND0A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
13-10-2023	14-10-2023	296	194	62	16	BDL	CLEAR SKY / CALM
29-10-2023	30-10-2023	282	178	54	15	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SASTI COLONY BSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
07-10-2023	08-10-2023	89	34	14	BDL	CLEAR SKY / CALM	
21-10-2023	22-10-2023	92	42	16	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
05-10-2023	06-10-2023	79	39	12	BDL	CLEAR SKY / CALM	
06-10-2023	07-10-2023	72	34	14	BDL	CLEAR SKY / CALM	
12-10-2023	13-10-2023	64	28	12	BDL	CLEAR SKY / CALM	
13-10-2023	14-10-2023	76	30	10	BDL	CLEAR SKY / CALM	
19-10-2023	20-10-2023	82	34	11	BDL	CLEAR SKY / CALM	
20-10-2023	21-10-2023	70	36	13	BDL	CLEAR SKY / CALM	
26-10-2023	27-10-2023	76	37	12	BDL	CLEAR SKY / CALM	
27-10-2023	28-10-2023	84	39	10	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		BSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	14-10-2023	44.5	43.6
OCT'23	28-10-2023	44.9	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY:		BSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	14-10-2023	43.6	42.5
OCT'23	28-10-2023	44.5	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

BHATADI OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/31	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

BHATADI SECURITY POST CBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
03.10.2023	04.10.2023	325	201	58	28	20	Cloudy Sky/Light Breeze
16.10.2023	17.10.2023	337	212	56	30	22	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI MANAGER OFFICE CBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
03.10.2023	04.10.2023	276	156	50	22	16	Cloudy Sky/Light Breeze
16.10.2023	17.10.2023	295	164	56	27	20	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI VILLAGE CBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
03.10.2023	04.10.2023	73	23	14	10	Cloudy Sky/Light Breeze	
16.10.2023	17.10.2023	76	28	18	12	Cloudy Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

VADHOLI VILLAGE CBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
04.10.2023	05.10.2023	74	22	17	12	Cloudy Sky/Light Breeze	
17.10.2023	18.10.2023	81	27	20	16	Cloudy Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

BHATADI COLONY CBOA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
03.10.2023	04.10.2023	74	27	16	11	Cloudy Sky/Light Breeze	
16.10.2023	17.10.2023	78	30	20	15	Cloudy Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		



Analysed by

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

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	


WORKSHOP CBOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
17.10.2023	18.10.2023	442	273	Cloudy Sky/Light Breeze

CHP/MGR LOADING POINT CBOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
17.10.2023	18.10.2023	469	289	Cloudy Sky/Light Breeze

WEIGH BRIDGE CBOF3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
17.10.2023	18.10.2023	456	280	Cloudy Sky/Light Breeze



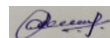
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23			

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
04.10.2023	7.72	31	32	BDL
16.10.2023	7.79	26	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: CBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.10.2023	7.57	21	24	BDL
16.10.2023	7.90	17	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: CBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
04.10.2023	21	13.6
16.10.2023	18	12.2
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP: CBON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	09-10-2023	69.9	68.5
OCT'23	23-10-2023	68.5	67.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CBON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	09-10-2023	42.5	41.6
OCT'23	23-10-2023	43.6	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

CRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/32	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

MANAGER OFFICE MAHAKALI UG CMKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2023	07.10.2023	281	160	52	25	19	Cloudy Sky/Light Breeze
20.10.2023	21.10.2023	312	182	57	29	20	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2023	07.10.2023	305	176	52	27	19	Cloudy Sky/Light Breeze
20.10.2023	21.10.2023	324	190	58	32	23	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2023	07.10.2023	278	160	50	26	17	Cloudy Sky/Light Breeze
20.10.2023	21.10.2023	292	171	55	29	21	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2023	07.10.2023	72	21	15	12	Cloudy Sky/Light Breeze	
20.10.2023	21.10.2023	78	26	17	14	Cloudy Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7182
---	--------------------	--


FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
21.10.2023	22.10.2023	463	278	Cloudy / Light Breeze



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP: CCRUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	09-10-2023	63.7	62.8
OCT'23	23-10-2023	63.8	62.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CCRUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	09-10-2023	44.8	43.9
OCT'23	23-10-2023	43.9	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated
either directly or indirectly to the press or to any person not
holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

DRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/33	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

PIT OFFICE-DRC- III UG CDRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
05.10.2023	06.10.2023	297	170	52	23	19	Cloudy Sky/Light Breeze
19.10.2023	20.10.2023	307	189	57	28	21	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEHRU NAGAR- SUBSTATION CDRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
05.10.2023	06.10.2023	279	174	50	21	16	Cloudy Sky/Light Breeze
19.10.2023	20.10.2023	298	188	56	27	19	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DRC- V COLONY CDRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
05.10.2023	06.10.2023	73	23	15	10	Cloudy Sky/Light Breeze	
19.10.2023	20.10.2023	80	28	19	11	Cloudy Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

PIT OFFICE DRC-IV CDRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
05.10.2023	06.10.2023	292	176	53	24	17	Cloudy Sky/Light Breeze
19.10.2023	20.10.2023	310	189	57	30	21	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



Analysed by

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

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		COAL BUNKER	CDUF1	ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
19.10.2023	20.10.2023	5	5	
		483	290	Cloudy Sky/Light Breeze

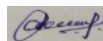


Analysed by


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

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
05.10.2023	7.79	23	28	BDL
18.10.2023	7.98	19	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25- 09-2000	5.5 - 9.0	100	250	10



Analysed by

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

NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		CDRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	09-10-2023	68.6	67.7
OCT'23	23-10-2023	67.7	66.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	09-10-2023	42.6	41.7
OCT'23	23-10-2023	43.7	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

DURGAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

TEST REPORT NO.	RIN/TR/OCT-23/34	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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	
14.10.2023	15.10.2023	270	163	52	20	17	Clear sky/Light Breeze
28.10.2023	29.10.2023	318	182	56	30	19	Clear sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


DURGAPUR VILLAGE CDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05.10.2023	06.10.2023	78	26	18	12	12	Clear sky/Light Breeze
06.10.2023	07.10.2023	76	24	15	10	10	Clear sky/Light Breeze
12.10.2023	13.10.2023	73	21	14	11	11	Clear sky/Light Breeze
13.10.2023	14.10.2023	69	20	19	13	13	Clear sky/Light Breeze
19.10.2023	20.10.2023	85	31	24	17	17	Clear sky/Light Breeze
20.10.2023	21.10.2023	77	28	18	11	11	Clear sky/Calm
26.10.2023	27.10.2023	72	22	20	15	15	Clear sky/Light Breeze
27.10.2023	28.10.2023	81	30	17	10	10	Clear sky/Light Breeze
NAAQS, 2009		100	60	80	80	80	

MANAGER OFFICE Q-IV CDOA3(Durgapur OC)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14.10.2023	15.10.2023	274	160	53	29	19	Clear sky/Light Breeze
28.10.2023	29.10.2023	318	182	55	33	24	Clear sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT DOC/POC COLONY CDOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05.10.2023	06.10.2023	81	28	20	14	14	Clear sky/Light Breeze
06.10.2023	07.10.2023	75	26	18	11	11	Clear sky/Light Breeze
12.10.2023	13.10.2023	71	22	20	15	15	Clear sky/Light Breeze
13.10.2023	14.10.2023	78	29	22	18	18	Clear sky/Light Breeze
19.10.2023	20.10.2023	88	33	27	20	20	Clear sky/Light Breeze
20.10.2023	21.10.2023	73	25	19	13	13	Clear sky/Calm
26.10.2023	27.10.2023	76	27	20	17	17	Clear sky/Light Breeze
27.10.2023	28.10.2023	83	30	23	19	19	Clear sky/Light Breeze
NAAQS, 2009		100	60	80	80	80	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING


TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
28.10.2023	29.10.2023	454	280	Clear sky/Light Breeze

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
28.10.2023	29.10.2023	421	253	Clear sky/Light Breeze



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	--

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
14.10.2023	8.04	21	16	BDL
28.10.2023	7.94	24	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE Q-V CDOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2023	2.98	37	36	BDL
28.10.2023	2.68	31	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): CDOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.10.2023	7.85	23	24	BDL
28.10.2023	7.41	20	20	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
14.10.2023	31	10.2
28.10.2023	27	9.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP:		CDON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		OCT'23	09-10-2023
OCT'23	23-10-2023	65.6	64.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		OCT'23	09-10-2023
OCT'23	23-10-2023	43.7	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated
either directly or indirectly to the press or to any person not holding
an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

HLP-I & III UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/37	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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	
07.10.2023	08.10.2023	291	180	51	26	16	Cloudy Sky/Light Breeze
21.10.2023	22.10.2023	305	189	57	29	19	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


PIT OFFICE - HLC-I INCLINE CHUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.10.2023	08.10.2023	297	182	54	25	18	Cloudy Sky/Light Breeze
21.10.2023	22.10.2023	311	190	58	28	21	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HLC-III COLONY CHUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07.10.2023	08.10.2023	72	23	14	10	Cloudy Sky/Light Breeze	
21.10.2023	22.10.2023	78	28	20	13	Cloudy Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		

RAJIV GANDHI ENGG. COLLEGE CHUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				Rainy/Windy	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07.10.2023	08.10.2023	74	22	18	12	Cloudy Sky/Light Breeze	
21.10.2023	22.10.2023	80	26	16	13	Cloudy Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		



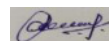
Analysed by

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

SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
07.10.2023	7.38	17	24	BDL
20.10.2023	7.83	14	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE(HLP-I): CHUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.10.2023	7.49	24	28	BDL
20.10.2023	7.56	20	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7102
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

FAN HOUSE-I		CHUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	09-10-2023	67.8	66.9
OCT'23	23-10-2023	68.9	67.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		CHUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	09-10-2023	42.9	41.5
OCT'23	23-10-2023	43.5	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

HLP OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

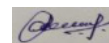
TEST REPORT NO.	RIN/TR/OCT-23/35	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.10.2023	09.10.2023	299	165	52	22	17	Cloudy Sky/Light Breeze
22.10.2023	23.10.2023	311	176	55	27	20	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.10.2023	09.10.2023	323	180	55	27	16	Cloudy Sky/Light Breeze
22.10.2023	23.10.2023	348	198	58	34	23	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.10.2023	09.10.2023	74	21	16	11	Cloudy Sky/Light Breeze
22.10.2023	23.10.2023	83	27	20	12	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.10.2023	10.10.2023	72	24	15	10	Cloudy Sky/Light Breeze
23.10.2023	24.10.2023	80	27	19	13	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80	



Analysed by

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

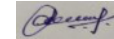
FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

		MAIN CHP	CHLOF1	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
09.10.2023	10.10.2023	5	5	Cloudy Sky/Light Breeze
		458	271	

		RAILWAY SIDING	CHLOF2	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
09.10.2023	10.10.2023	5	5	Cloudy Sky/Light Breeze
		486	289	

		WEIGH BRIDGE	CHLOF3	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
09.10.2023	10.10.2023	5	5	Cloudy Sky/Light Breeze
		478	282	

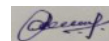


Analysed by

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

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
08.10.2023	2.97	34	36	BDL
22.10.2023	3.04	29	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

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

NOISE LEVEL MONITORING DATA

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

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	09-10-2023	65.5	64.6
OCT'23	23-10-2023	66.6	65.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	09-10-2023	43.6	42.7
OCT'23	23-10-2023	42.7	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

MAHAKALI UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/OCT-23/37	DATE OF ISSUE	28-11-2023		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23		

MANAGER OFFICE MAHAKALI UG CMKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2023	07.10.2023	281	160	52	25	19	Cloudy Sky/Light Breeze
20.10.2023	21.10.2023	312	182	57	29	20	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2023	07.10.2023	305	176	52	27	19	Cloudy Sky/Light Breeze
20.10.2023	21.10.2023	324	190	58	32	23	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3(C.R.C-U/G)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.10.2023	07.10.2023	278	160	50	26	17	Cloudy Sky/Light Breeze
20.10.2023	21.10.2023	292	171	55	29	21	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06.10.2023	07.10.2023	72	21	15	12	Cloudy Sky/Light Breeze	
20.10.2023	21.10.2023	78	26	17	14	Cloudy Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		
---	--	--------------------	--	--


FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance				
SAMPLE DESCRIPTION	Air sample(Fugitive)				
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23		

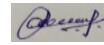
COAL BUNKER CMKUF1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
20.10.2023	21.10.2023	483	289			Cloudy Sky/ Light Breeze



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23		

MINE WATER DISCHARGE: CMKUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.10.2023	7.88	20	24	BDL
19.10.2023	8.18	16	20	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE: CMKUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
	DETECTION LIMIT	20	20
OCT'23	09-10-2023	65.9	64.5
OCT'23	23-10-2023	64.5	63.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MAHAKALI): CMKUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		20	20
	DETECTION LIMIT	20	20
OCT'23	09-10-2023	42.5	41.6
OCT'23	23-10-2023	42.6	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

MANA UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

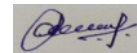
TEST REPORT NO.	RIN/TR/OCT-23/38	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

MANAGER OFFICE CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.10.2023	09.10.2023	289	168	48	25	17	Cloudy Sky/Light Breeze
22.10.2023	23.10.2023	296	176	52	28	19	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE CMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.10.2023	09.10.2023	314	175	52	27	21	Cloudy Sky/Light Breeze
22.10.2023	23.10.2023	322	192	59	33	24	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (NANDGAON) CNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09.10.2023	10.10.2023	72	24	15	10	10	Cloudy Sky/Light Breeze
23.10.2023	24.10.2023	80	27	19	13	13	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80		

MANA VILLAGE CMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.10.2023	09.10.2023	74	21	16	11	11	Cloudy Sky/Light Breeze
22.10.2023	23.10.2023	83	27	20	12	12	Cloudy Sky/Light Breeze
		100	60	80	80		

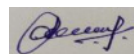


Analysed by


Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
08.10.2023	7.69	36	32	BDL
22.10.2023	8.06	32	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

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

NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		CMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	09-10-2023	66.8	65.9
OCT'23	23-10-2023	65.9	64.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(HLP OC):		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	09-10-2023	43.6	42.7
OCT'23	23-10-2023	42.7	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

NANDGAON UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

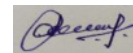
TEST REPORT NO.	RIN/TR/OCT-23/39	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

MANAGER OFFICE NANDGAON UG		CNUA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.10.2023	10.10.2023	299	165	52	22	17	Cloudy Sky/Light Breeze
23.10.2023	24.10.2023	311	176	55	27	20	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE		CMUA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.10.2023	09.10.2023	314	175	52	27	21	Cloudy Sky/Light Breeze
22.10.2023	23.10.2023	322	192	59	33	24	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE		CMUA4				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.10.2023	09.10.2023	74	21	16	11	Cloudy Sky/Light Breeze
22.10.2023	23.10.2023	83	27	20	12	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80	

COLONY (NANDGAON)		CNUA2				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.10.2023	10.10.2023	72	24	15	10	Cloudy Sky/Light Breeze
23.10.2023	24.10.2023	80	27	19	13	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80	

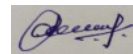


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
08.10.2023	7.06	23	28	BDL
22.10.2023	7.75	20	16	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	09-10-2023	68.7	67.8
OCT'23	23-10-2023	67.8	66.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP OC:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	09-10-2023	43.6	42.7
OCT'23	23-10-2023	42.7	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

PADMAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

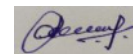
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7162
---	--------------------	--

TEST REPORT NO.	RIN/TR/OCTOBER-23/40	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23


MANAGER OFFICE Q-IV CPOA1 (Padmapur)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.10.2023	04.10.2023	308	193	52	29	22	Cloudy Sky/Light Breeze
16.10.2023	17.10.2023	320	201	58	26	19	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	
WARWAT VILLAGE CPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03.10.2023	04.10.2023	76	24	16	11	Cloudy Sky/Light Breeze	
16.10.2023	17.10.2023	80	26	18	14	Cloudy Sky/Light Breeze	
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03.10.2023	04.10.2023	77	26	15	10	Cloudy Sky/Light Breeze	
16.10.2023	17.10.2023	82	28	19	13	Cloudy Sky/Light Breeze	
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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03.10.2023	04.10.2023	79	27	17	11	Cloudy Sky/Light Breeze	
16.10.2023	17.10.2023	85	30	20	15	Cloudy Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		



Analysed by

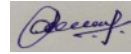
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
---	--------------------	--

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE	CPRUF1	ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
18.10.2023	19.10.2023	SPM	PM ₁₀	Cloudy Sky/Light Breeze
		5	5	
		489	278	

DATE(dd:mm:yy) OF SAMPLING		CHP/MGR LOADING POINT	CPRUF2	ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
18.10.2023	19.10.2023	SPM	PM ₁₀	Cloudy Sky/Light Breeze
		5	5	
		493	289	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP:		CPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	09-10-2023	43.7	42.8
OCT'23	23-10-2023	43.8	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	09-10-2023	42.6	41.7
OCT'23	23-10-2023	43.7	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

ADASA UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




OCTOBER 2023



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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/OCT-23/1	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

PROJECT MANAGER OFFICE NAUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14-10-2023	15-10-2023	274	200	64	30	13	CLOUDY/LIGHT BREEZE
23-10-2023	24-10-2023	297	212	68	28	15	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE NAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
14-10-2023	15-10-2023	92	36	23	BDL	CLOUDY/LIGHT BREEZE	
23-10-2023	24-10-2023	98	39	25	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
13-10-2023	14-10-2023	90	39	20	BDL	CLOUDY/LIGHT BREEZE	
23-10-2023	24-10-2023	95	41	25	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
13-10-2023	14-10-2023	96	35	25	BDL	CLOUDY/LIGHT BREEZE	
23-10-2023	24-10-2023	98	38	23	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

K. Anupama

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7102
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

FAN HOUSE: NAUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	69.3	68.5
OCT'23	28-10-2023	69.2	68.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE: NAUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	54.2	53.4
OCT'23	28-10-2023	53.2	52.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (SAONER): NSNUN4			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	42.2	41.4
OCT'23	28-10-2023	42.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

BHANEGOAN OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

TEST REPORT NO.	RIN/TR/OCT-23/2	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

NEAR MANAGER OFFICE NBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	295	179	67	29	14	CLOUDY/CALM
23-10-2023	24-10-2023	320	200	68	32	16	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

BINA SANGAM TEMPLE NBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-10-2023	11-10-2023	85	40	22	BDL		CLOUDY/CALM
23-10-2023	24-10-2023	98	45	24	BDL		CLOUDY/CALM
NAAQS, 2009		100	60	80	80		

BINA VILLAGE NBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-10-2023	11-10-2023	94	42	21	BDL		CLOUDY/CALM
23-10-2023	24-10-2023	98	45	23	BDL		CLOUDY/CALM
NAAQS, 2009		100	60	80	80		

DORLI VILLAGE NSOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-10-2023	11-10-2023	98	39	25	BDL		CLOUDY/CALM
23-10-2023	24-10-2023	97	41	28	BDL		CLOUDY/CALM
NAAQS, 2009		100	60	80	80		

R. Anupama

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-702
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

COAL STOCK YARD NR. WB1 NBOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
10-10-2023	11-10-2023	424	254	CLOUDY/CALM

A. Anupama

Analysed by


Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
10-10-2023	8.27	36	44	BDL
24-10-2023	8.12	32	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

A. Anurupa

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'23	13-10-2023	53.3	52.6
OCT'23	28-10-2023	53.3	52.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

GONDEGAON OC

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

TEST REPORT NO.	RIN/TR/OCT-23/3	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

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	
16-10-2023	17-10-2023	302	184	64	29	14	CLOUDY/CALM
30-10-2023	31-10-2023	331	215	68	35	16	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

GONDEGAON VILLAGE SCHOOL NGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-10-2023	09-10-2023	93	36	19	BDL	CLOUDY/CALM	
09-10-2023	10-10-2023	94	38	20	BDL	CLOUDY/CALM	
15-10-2023	16-10-2023	81	32	20	BDL	CLOUDY/CALM	
16-10-2023	17-10-2023	88	37	18	BDL	CLOUDY/CALM	
21-10-2023	22-10-2023	98	45	26	BDL	CLOUDY/CALM	
22-10-2023	23-10-2023	95	41	24	BDL	CLOUDY/CALM	
29-10-2023	30-10-2023	96	43	24	BDL	CLOUDY/CALM	
30-10-2023	31-10-2023	81	36	23	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

COLONY GUEST HOUSE/FILTER PLANT NGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
08-10-2023	09-10-2023	85	36	19	BDL	CLOUDY/CALM
09-10-2023	10-10-2023	87	35	21	BDL	CLOUDY/CALM
15-10-2023	16-10-2023	90	36	22	BDL	CLOUDY/CALM
16-10-2023	17-10-2023	86	42	20	BDL	CLOUDY/CALM
21-10-2023	22-10-2023	94	39	24	BDL	CLOUDY/CALM
22-10-2023	23-10-2023	83	37	25	BDL	CLOUDY/CALM
29-10-2023	30-10-2023	98	43	24	BDL	CLOUDY/CALM
30-10-2023	31-10-2023	90	40	26	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
08-10-2023	09-10-2023	95	38	22	BDL	CLOUDY/CALM
09-10-2023	10-10-2023	91	36	20	BDL	CLOUDY/CALM
15-10-2023	16-10-2023	98	40	23	BDL	CLOUDY/CALM
16-10-2023	17-10-2023	85	36	21	BDL	CLOUDY/CALM
21-10-2023	22-10-2023	93	39	23	BDL	CLOUDY/CALM
22-10-2023	23-10-2023	98	41	26	BDL	CLOUDY/CALM
29-10-2023	30-10-2023	97	40	25	BDL	CLOUDY/CALM
30-10-2023	31-10-2023	87	45	25	BDL	CLOUDY/CALM
NAAQS, 2009		100	60	80	80	

A. Anupama

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 <small>TC-7182</small>
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

		CHP	NGOF2	
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
16-10-2023	17-10-2023	439	259	CLOUDY/CALM

A. Anurupa
Analysed by

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


SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
08-10-2023	8.36	16	24	BDL
22-10-2023	8.22	18	28	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
08-10-2023	8.3	18	28	BDL
22-10-2023	8.22	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

A. Anupurna

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

		CHP	NGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)		
		DAY TIME	NIGHT TIME	
	DETECTION LIMIT	20	20	
OCT'23	13-10-2023	67.3	66.5	
OCT'23	28-10-2023	67.2	66.5	
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70	

		GONDEGAON VILLAGE/COLONY	NGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)		
		DAY TIME	NIGHT TIME	
	DETECTION LIMIT	20	20	
OCT'23	13-10-2023	42.2	41.4	
OCT'23	28-10-2023	43.3	42.4	
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45	

		GHATROHNA VILLAGE:	NGON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)		
		DAY TIME	NIGHT TIME	
	DETECTION LIMIT	20	20	
OCT'23	13-10-2023	42.2	41.3	
OCT'23	28-10-2023	42.3	41.8	
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45	

		JUNI KAMPTEE VILLAGE:	NGON4	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)		
		DAY TIME	NIGHT TIME	
	DETECTION LIMIT	20	20	
OCT'23	13-10-2023	42.3	41.6	
OCT'23	28-10-2023	42.8	41.5	
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45	



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

INDER UG TO OC

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.	RIN/TR/OCT-23/4	DATE OF ISSUE	28-11-2023		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS 5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-10-23 TO 15-11-23	

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	
13-10-2023	14-10-2023	287	200	62	28	14	CLOUDY/CALM
27-10-2023	28-10-2023	325	228	68	33	16	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
14-10-2023	15-10-2023	299	191	63	28	13	CLOUDY/CALM
28-10-2023	29-10-2023	336	216	69	33	15	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-10-2023	02-10-2023	78	28	18	BDL	CLOUDY/CALM	
02-10-2023	03-10-2023	82	32	20	BDL	CLOUDY/CALM	
06-10-2023	07-10-2023	97	35	20	BDL	CLOUDY/CALM	
07-10-2023	08-10-2023	87	34	21	BDL	CLOUDY/CALM	
13-10-2023	14-10-2023	84	32	22	BDL	CLOUDY/CALM	
14-10-2023	15-10-2023	83	31	21	BDL	CLOUDY/CALM	
19-10-2023	20-10-2023	98	43	25	BDL	CLOUDY/CALM	
20-10-2023	21-10-2023	87	35	22	BDL	CLOUDY/CALM	
27-10-2023	28-10-2023	95	39	25	BDL	CLOUDY/CALM	
28-10-2023	29-10-2023	88	36	23	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

G.P. OFFICE KANDRI VILLAGE NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01-10-2023	02-10-2023	86	36	20	BDL	CLOUDY/CALM	
02-10-2023	03-10-2023	87	36	19	BDL	CLOUDY/CALM	
06-10-2023	07-10-2023	96	38	20	BDL	CLOUDY/CALM	
07-10-2023	08-10-2023	88	34	22	BDL	CLOUDY/CALM	
13-10-2023	14-10-2023	85	35	23	BDL	CLOUDY/CALM	
14-10-2023	15-10-2023	86	34	22	BDL	CLOUDY/CALM	
19-10-2023	20-10-2023	98	37	26	BDL	CLOUDY/CALM	
20-10-2023	21-10-2023	97	44	24	BDL	CLOUDY/CALM	
27-10-2023	28-10-2023	83	33	26	BDL	CLOUDY/CALM	
28-10-2023	29-10-2023	98	38	24	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

R. Anupama

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance document volume-		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

COAL STOCK YARD NIOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
16-10-2023	17-10-2023	454	265	CLOUDY/CALM

WEIGH BRIDGE NIOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
16-10-2023	17-10-2023	443	267	CLOUDY/CALM

R. Anupurna

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
08-10-2023	8.41	36	44	BDL
22-10-2023	8.21	38	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

A. Anupama

Analysed by



Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

RC OFFICE: NION1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	52.3	51.6
OCT'23	28-10-2023	53.3	52.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

KAMPTEE DEEP OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




OCTOBER 2023



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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/OCT-23/5	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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	
		5	5	2	6	10	
13-10-2023	14-10-2023	294	184	61	31	15	CLOUDY/CALM
27-10-2023	28-10-2023	331	204	67	35	17	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
01-10-2023	02-10-2023	96	36	19	BDL	CLOUDY/CALM	
02-10-2023	03-10-2023	97	38	21	BDL	CLOUDY/CALM	
06-10-2023	07-10-2023	91	43	22	BDL	CLOUDY/CALM	
07-10-2023	08-10-2023	84	35	20	BDL	CLOUDY/CALM	
13-10-2023	14-10-2023	85	36	21	BDL	CLOUDY/CALM	
14-10-2023	15-10-2023	86	34	22	BDL	CLOUDY/CALM	
19-10-2023	20-10-2023	98	40	23	BDL	CLOUDY/CALM	
20-10-2023	21-10-2023	97	45	24	BDL	CLOUDY/CALM	
27-10-2023	28-10-2023	98	39	26	BDL	CLOUDY/CALM	
28-10-2023	29-10-2023	70	31	20	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

COLONY WATER TREATMENT PLANT NKCA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-10-2023	02-10-2023	78	28	18	BDL	CLOUDY/CALM
02-10-2023	03-10-2023	82	32	20	BDL	CLOUDY/CALM
06-10-2023	07-10-2023	97	35	20	BDL	CLOUDY/CALM
07-10-2023	08-10-2023	87	34	21	BDL	CLOUDY/CALM
13-10-2023	14-10-2023	84	32	22	BDL	CLOUDY/CALM
14-10-2023	15-10-2023	83	31	21	BDL	CLOUDY/CALM
19-10-2023	20-10-2023	98	43	25	BDL	CLOUDY/CALM
20-10-2023	21-10-2023	87	35	22	BDL	CLOUDY/CALM
27-10-2023	28-10-2023	95	39	25	BDL	CLOUDY/CALM
28-10-2023	29-10-2023	88	36	23	BDL	CLOUDY/CALM
NAAQS, 2009		100		80	80	

G.P. OFFICE KANDRI VILLAGE NKCA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-10-2023	02-10-2023	86	36	20	BDL	CLOUDY/CALM
02-10-2023	03-10-2023	87	36	19	BDL	CLOUDY/CALM
06-10-2023	07-10-2023	96	38	20	BDL	CLOUDY/CALM
07-10-2023	08-10-2023	88	34	22	BDL	CLOUDY/CALM
13-10-2023	14-10-2023	85	35	23	BDL	CLOUDY/CALM
14-10-2023	15-10-2023	86	34	22	BDL	CLOUDY/CALM
19-10-2023	20-10-2023	98	37	26	BDL	CLOUDY/CALM
20-10-2023	21-10-2023	97	44	24	BDL	CLOUDY/CALM
27-10-2023	28-10-2023	83	33	26	BDL	CLOUDY/CALM
28-10-2023	29-10-2023	98	38	24	BDL	CLOUDY/CALM
NAAQS, 2009		100	60	80	80	

R. Anupama

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
08-10-2023	8.37	16	24	BDL
22-10-2023	8.24	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: NKCW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-10-2023	8.35	16	24	BDL
22-10-2023	8.04	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

R. Anupama

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP: NKCNI			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	66.3	65.5
OCT'23	28-10-2023	66.3	65.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(KAMPTEE): NKCNI2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	42.3	41.4
OCT'23	28-10-2023	42.2	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

PATANSAONGI UG

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/6	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

COLLIERY MANAGER OFFICE NPTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
03-10-2023	04-10-2023	317	191	61	30	15	CLOUDY/WINDY
16-10-2023	17-10-2023	347	221	67	36	15	CLOUDY/WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SADBHAVAN NAGAR (FILTER PLANT) NPTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
03-10-2023	04-10-2023	93	40	20	BDL		CLOUDY/WINDY
16-10-2023	17-10-2023	95	44	25	BDL		CLOUDY/WINDY
NAAQS, 2009		100	60	80	80		

NEAR LCH QR. NPTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
03-10-2023	04-10-2023	97	43	22	BDL		CLOUDY/WINDY
16-10-2023	17-10-2023	98	46	25	BDL		CLOUDY/WINDY
NAAQS, 2009		100	60	80	80		

SAVARMENDHA /TANDULWADI VILLAGE. NPTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
03-10-2023	04-10-2023	98	41	21	BDL		CLOUDY/WINDY
16-10-2023	17-10-2023	96	45	26	BDL		CLOUDY/WINDY
NAAQS, 2009		100	60	80	80		

A. Anupama

Analysed by

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

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
03-10-2023	8.36	18	28	BDL
16-10-2023	8.32	16	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

R. Anupama

Analysed by

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

NOISE LEVEL MONITORING DATA

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

CHP: NPTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	66.2	65.3
OCT'23	28-10-2023	66.3	65.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: NPTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	42.3	41.5
OCT'23	28-10-2023	42.2	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in theCIL / Government

ENVIRONMENTAL MONITORING REPORT

SAONER UG

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/8	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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	
		5	5	2	6	10	
13-10-2023	14-10-2023	298	202	64	29	15	CLOUDY/LIGHT BREEZE
22-10-2023	23-10-2023	336	229	68	35	16	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
		5	5	2	6	10	
13-10-2023	14-10-2023	310	192	62	28	14	CLOUDY/LIGHT BREEZE
22-10-2023	23-10-2023	343	219	67	33	15	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
13-10-2023	14-10-2023	90	39	20	BDL		CLOUDY/LIGHT BREEZE
22-10-2023	23-10-2023	95	41	25	BDL		CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
13-10-2023	14-10-2023	96	35	25	BDL		CLOUDY/LIGHT BREEZE
22-10-2023	23-10-2023	98	38	23	BDL		CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

R. Anupama

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING


TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance document		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

CHP NSNUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
22-10-2023	23-10-2023	5	5	CLOUDY/CALM
		408	247	

RAILWAY SIDING NSNUF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
23-10-2023	24-10-2023	5	5	CLOUDY/CALM
		442	262	

A. Anupama

Analysed by

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

SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
13-10-2023	8.46	16	24	BDL
17-10-2023	8.31	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE II UG: NSNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-10-2023	8.24	28	40	BDL
17-10-2023	8.29	26	36	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
13-10-2023	8.26	28	36	BDL
17-10-2023	8.35	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

R. Anupama

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE-I: NSNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	13-10-2023	69.4	68.6
OCT'23	28-10-2023	69.2	68.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

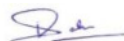
FAN HOUSE-II: NSNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	13-10-2023	69.2	68.6
OCT'23	28-10-2023	69.4	68.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-III: NSNUN3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	13-10-2023	69.3	68.5
OCT'23	28-10-2023	68.2	67.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: NSNUN4			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	13-10-2023	42.2	41.4
OCT'23	28-10-2023	42.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the
CIL / Government

ENVIRONMENTAL MONITORING REPORT

SILEWARA UG

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/9	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

WATER FILTER FLANT NSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-10-2023	12-10-2023	295	186	62	30	14	CLOUDY/CALM
24-10-2023	25-10-2023	319	206	66	33	16	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

V.T.C. SILEWARA NSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-10-2023	12-10-2023	297	189	61	31	13	CLOUDY/CALM
24-10-2023	25-10-2023	325	207	64	35	15	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

MANDIR NEAR KANHAN RIVER NSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
11-10-2023	12-10-2023	98	43	25	BDL	CLOUDY/CALM	
24-10-2023	25-10-2023	97	44	24	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

CHANKAPUR PUMP HOUSE/ COLONY NSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
11-10-2023	12-10-2023	98	41	24	BDL	CLOUDY/CALM	
24-10-2023	25-10-2023	97	44	26	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

R. Anupama

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
12-10-2023	8.01	20	32	BDL
25-10-2023	8.05	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

A. Anupama

Analysed by

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

NOISE LEVEL MONITORING DATA

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

FAN HOUSE: NSUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	13-10-2023	69.2	68.4
OCT'23	28-10-2023	69.3	68.9
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
OCT'23	13-10-2023	42.2	41.3
OCT'23	28-10-2023	43.2	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

SINGORI OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/10	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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	
12-10-2023	13-10-2023	309	190	64	30	16	CLOUDY/CALM
25-10-2023	26-10-2023	334	215	69	32	17	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	


SOHALI VILLAGE NSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
12-10-2023	13-10-2023	98	37	23	BDL	CLOUDY/CALM	
25-10-2023	26-10-2023	97	38	25	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

HINGNA VILLAGE NSOA3							
DATE(dd:mm:yy) OF SAMPLING		SPM					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
12-10-2023	13-10-2023	98	40	25	BDL	CLOUDY/CALM	
25-10-2023	26-10-2023	99	41	26	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

DORLI VILLAGE NSOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
12-10-2023	13-10-2023	98	39	25	BDL	CLOUDY/CALM	
25-10-2023	26-10-2023	97	41	28	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

R. Anupama

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

NEAR COAL STOCK YARD NSOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	CLOUDY/CALM
12-10-2023	13-10-2023	450	261	

WEIGH BRIDGE NSOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	CLOUDY/CALM
12-10-2023	13-10-2023	446	267	

A. Anupama

Analysed by


Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
11-10-2023	8.21	16	24	BDL
26-10-2023	8.15	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

R. Anupurna

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CONTRACTOR CAMP: NSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	53.2	52.5
OCT'23	28-10-2023	52.2	51.4
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
OCT'23	13-10-2023	42.2	41.4
OCT'23	28-10-2023	43.3	41.9
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
OCT'23	13-10-2023	68.3	67.4
OCT'23	28-10-2023	67.3	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NEAR DOSING SITE: NSON4			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	67.2	66.5
OCT'23	28-10-2023	66.2	65.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

WAGHODA - UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




OCTOBER 2023



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

AN ISO 9001:2015 COMPANY



Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

TEST REPORT NO.	RIN/TR/OCT-23/7	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

MANAGER OFFICE NWUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14-10-2023	15-10-2023	297	203	62	29	13	CLOUDY/LIGHT BREEZE
23-10-2023	24-10-2023	346	227	66	35	15	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120	

AJANI VILLAGE BNWUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
14-10-2023	15-10-2023	99	40	20	BDL	CLOUDY/LIGHT BREEZE	
23-10-2023	24-10-2023	95	43	25	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

ADASA VILLAGE BNWUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
15-10-2023	16-10-2023	96	38	19	BDL	CLOUDY/LIGHT BREEZE	
24-10-2023	25-10-2023	98	40	24	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

BORGAON VILLAGE BNWUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
15-10-2023	16-10-2023	99	40	20	BDL	CLOUDY/LIGHT BREEZE	
24-10-2023	25-10-2023	94	43	25	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

R. Anupama

Analysed by

DHAPEWADA VILLAGE BNWUA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
15-10-2023	16-10-2023	99	39	20	BDL	CLOUDY/LIGHT BREEZE
24-10-2023	25-10-2023	95	41	25	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

TAKLI VILLAGE BNWUA6						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
15-10-2023	16-10-2023	96	38	21	BDL	CLOUDY/LIGHT BREEZE
24-10-2023	25-10-2023	94	40	26	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

SAWANGI VILLAGE BNWUA7						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
15-10-2023	16-10-2023	94	36	20	BDL	CLOUDY/LIGHT BREEZE
24-10-2023	25-10-2023	99	39	25	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

A. Singh

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

MINE WATER DISCHARGE: NWUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14-10-2023	8.21	16	24	BDL
18-10-2023	8.18	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

R. Anupama

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

AJANI VILLAGE		NWUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	42.2	41.5
OCT'23	28-10-2023	43.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

ADASA VILLAGE		NWUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	42.3	41.4
OCT'23	28-10-2023	42.5	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

BORGAON VILLAGE		NWUN3	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	42.4	41.6
OCT'23	28-10-2023	42.2	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DHAPEWADA VILLAGE		NWUN4	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	42.2	41.5
OCT'23	28-10-2023	43.2	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

TAKLI VILLAGE NWUN5			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	13-10-2023	42.3	41.5
OCT'23	28-10-2023	42.8	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

SAWANGI VILLAGE NWUN6			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	13-10-2023	42.2	41.3
OCT'23	28-10-2023	43.9	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

NEAR MANAGER OFFICE NWUN7			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	13-10-2023	54.2	53.4
OCT'23	28-10-2023	53.3	52.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either
directly or indirectly to the press or to any person not holding an
official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

NEW MAJRI-II(A) OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER- 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

TEST REPORT NO.	RIN/TR/OCT-23/51	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

NMOC SUBSTATION MMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
04-10-2023	05-10-2023	278	172	58	16	14	CLEAR/CALM
24-10-2023	25-10-2023	296	162	49	13	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


PATANA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
03-10-2023	04-10-2023	293	158	53	16	14	CLEAR/CALM
17-10-2023	18-10-2023	310	156	52	14	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PRIMARY HEALTH CENTRE, MAJRI BASTI MMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
03-10-2023	04-10-2023	78	42	9	10	CLEAR/CALM	
04-10-2023	05-10-2023	81	38	12	10	CLEAR/CALM	
10-10-2023	11-10-2023	63	35	14	11	CLEAR/CALM	
11-10-2023	12-10-2023	69	40	14	10	CLEAR/CALM	
17-10-2023	18-10-2023	67	46	12	10	CLEAR/CALM	
18-10-2023	19-10-2023	83	42	14	BDL	CLEAR/CALM	
24-10-2023	25-10-2023	68	28	13	10	CLEAR/CALM	
25-10-2023	26-10-2023	70	39	17	12	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

KUCHANA COLONY MMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
03-10-2023	04-10-2023	78	36	11	BDL	CLEAR/CALM	
04-10-2023	05-10-2023	60	37	14	10	CLEAR/CALM	
10-10-2023	11-10-2023	70	33	11	BDL	CLEAR/CALM	
11-10-2023	12-10-2023	50	28	10	BDL	CLEAR/CALM	
17-10-2023	18-10-2023	64	40	15	10	CLEAR/CALM	
18-10-2023	19-10-2023	80	44	16	12	CLEAR/CALM	
24-10-2023	25-10-2023	59	35	12	10	CLEAR/CALM	
25-10-2023	26-10-2023	70	33	15	11	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

FIELD MAIN SHED MOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
05-10-2023	06-10-2023	330	270	CLEAR/CALM

CHP MOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
05-10-2023	06-10-2023	392	247	CLEAR/CALM



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
11-10-2023	7.22	36	48	BDL
24-10-2023	7.61	44	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
11-10-2023	7.45	34	40	BDL
24-10-2023	7.84	38	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: MAJRI AREA HOSPITAL				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-10-2023	7.07	48	56	BDL
29-10-2023	7.6	40	60	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993		100		30

STP: MMUW3			
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
11-10-2023	46	13	
24-10-2023	40	15	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FIELD MINE SHED:		MMON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	10-10-2023	68.7	66.4
OCT'23	28-10-2023	54.6	52.3
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
OCT'23	10-10-2023	47.4	45.3
OCT'23	28-10-2023	46.4	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

NEW MAJRI UG TO OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER - 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

TEST REPORT NO.	RIN/TR/OCT-23/50	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

PATALA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03-10-2023	04-10-2023	293	158	53	16	14	CLEAR/CALM
17-10-2023	18-10-2023	310	156	52	14	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE UG TO OC MMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03-10-2023	04-10-2023	317	172	66	18	16	CLEAR/CALM
17-10-2023	18-10-2023	299	161	71	12	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CONTRACTOR CAMP MMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
03-10-2023	04-10-2023	310	184	58	16	12	CLEAR/CALM
17-10-2023	18-10-2023	287	152	46	13	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAWARLA VILLAGE MMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
03-10-2023	04-10-2023	67	40	14	11		CLEAR/CALM
17-10-2023	18-10-2023	74	40	15	10		CLEAR/CALM
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
05-10-2023	06-10-2023	519	374	CLEAR/ CALM



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23


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
11-10-2023	7.09	60	44	BDL
17-10-2023	7.62	46	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP:		MMUW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-10-2023	7.36	46	52	BDL
17-10-2023	7.86	42	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP:		MMUW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
11-10-2023	34	10	
17-10-2023	50	12	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

PIT OFFICE:		MMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	10-10-2023	56.5	54.4
OCT'23	28-10-2023	55.7	54.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MAJRI UG TO OC):		MMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	10-10-2023	46.3	44.4
OCT'23	28-10-2023	45.8	44.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

YEKONA I & II OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER- 2023



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

AN ISO 9001:2015 COMPANY



Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

TEST REPORT NO.	RIN/TR/OCT-23/52	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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	
04-10-2023	05-10-2023	5	5	2	6	10	CLEAR/CALM
18-10-2023	19-10-2023	310	191	60	18	15	CLEAR/CALM
		302	178	58	20	16	CLEAR/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	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-10-2023	04-10-2023	5	2	6	10	CLEAR/CALM	
04-10-2023	05-10-2023	65	34	13	10	CLEAR/CALM	
10-10-2023	11-10-2023	57	32	15	12	CLEAR/CALM	
11-10-2023	12-10-2023	69	41	17	13	CLEAR/CALM	
11-10-2023	12-10-2023	80	45	16	14	CLEAR/CALM	
17-10-2023	18-10-2023	65	44	14	BDL	CLEAR/CALM	
18-10-2023	19-10-2023	69	34	16	12	CLEAR/CALM	
24-10-2023	25-10-2023	76	46	13	10	CLEAR/CALM	
25-10-2023	26-10-2023	81	53	17	14	CLEAR/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	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-10-2023	04-10-2023	5	2	6	10	CLEAR/CALM	
04-10-2023	05-10-2023	60	36	12	10	CLEAR/CALM	
10-10-2023	11-10-2023	72	40	15	12	CLEAR/CALM	
11-10-2023	12-10-2023	64	38	16	14	CLEAR/CALM	
11-10-2023	12-10-2023	78	46	13	10	CLEAR/CALM	
17-10-2023	18-10-2023	62	30	14	BDL	CLEAR/CALM	
18-10-2023	19-10-2023	84	35	15	12	CLEAR/CALM	
24-10-2023	25-10-2023	68	38	14	10	CLEAR/CALM	
25-10-2023	26-10-2023	78	55	12	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

DANDGAON VILLAGE MYOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-10-2023	04-10-2023	5	2	6	10	CLEAR/CALM	
04-10-2023	05-10-2023	64	42	12	BDL	CLEAR/CALM	
10-10-2023	11-10-2023	58	35	12	10	CLEAR/CALM	
11-10-2023	12-10-2023	62	42	14	12	CLEAR/CALM	
11-10-2023	12-10-2023	70	37	16	14	CLEAR/CALM	
17-10-2023	18-10-2023	72	46	13	11	CLEAR/CALM	
18-10-2023	19-10-2023	81	47	17	15	CLEAR/CALM	
24-10-2023	25-10-2023	57	35	13	10	CLEAR/CALM	
25-10-2023	26-10-2023	69	39	12	10	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

HIWRA MAJRA VILLAGE MYOA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	191
03-10-2023	04-10-2023	73	48	16	12	
04-10-2023	05-10-2023	60	33	14	10	CLEAR/CALM
10-10-2023	11-10-2023	65	43	17	14	CLEAR/CALM
11-10-2023	12-10-2023	72	50	14	12	CLEAR/CALM
17-10-2023	18-10-2023	65	40	16	13	CLEAR/CALM
18-10-2023	19-10-2023	74	48	14	BDL	CLEAR/CALM
24-10-2023	25-10-2023	62	37	16	12	CLEAR/CALM
25-10-2023	26-10-2023	58	50	14	10	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 <small>TC-7182</small>
---	--------------------	---


FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

STOCK YARD MYOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
05-10-2023	06-10-2023	496	369	CLEAR/CALM



Analysed by

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


SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
11-10-2023	7.65	44	40	BDL
25-10-2023	7.86	56	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE: YEKONA II OC : MYOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-10-2023	7.62	48	52	BDL
25-10-2023	7.78	42	64	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP : MYOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-10-2023	7.12	28	44	BDL
25-10-2023	7.46	48	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: MYOW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
11-10-2023	52	14
25-10-2023	32	16
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

PIT OFFICE		MYON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	10-10-2023	55.6	52.1
OCT'23	28-10-2023	56.7	55.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in theCIL / Government

ENVIRONMENTAL MONITORING REPORT

DINESH OCP

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023



Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY



Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

TEST REPORT NO.	RIN/TR/OCT-23/11	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

MANAGER OFFICE UM30A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	256	146	46	12	10	Clear/calm
17-10-2023	18-10-2023	266	152	48	13	11	Clear/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR RLY. WEIGHT BRIDGE UM30A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	272	266	52	13	11	Clear/calm
17-10-2023	18-10-2023	280	170	54	12	10	Clear/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIPARDOL VILLAGE UM30A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-10-2023	04-10-2023	80	30	8	BDL	Clear / Calm	
04-10-2023	05-10-2023	82	32	7	BDL	Clear / Calm	
08-10-2023	09-10-2023	84	32	8	BDL	Clear / Calm	
09-10-2023	10-10-2023	80	28	7	BDL	Clear / Calm	
15-10-2023	16-10-2023	78	28	7	BDL	Clear / Light breeze	
16-10-2023	17-10-2023	74	26	8	BDL	Clear / Calm	
22-10-2023	23-10-2023	76	24	7	BDL	Clear / Light breeze	
23-10-2023	24-10-2023	78	28	7	BDL	Clear / Light breeze	
29-10-2023	30-10-2023	82	30	8	BDL	Clear / Calm	
30-10-2023	31-10-2023	80	28	8	BDL	Clear / Calm	
NAAQS, 2009		100	60	80	80		

WELSAKARA VILLAGE UM30A4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-10-2023	04-10-2023	82	32	8	BDL	Clear / Calm	
04-10-2023	05-10-2023	80	30	7	BDL	Clear / Calm	
08-10-2023	09-10-2023	84	32	9	BDL	Clear / Calm	
09-10-2023	10-10-2023	80	30	8	BDL	Clear / Calm	
15-10-2023	16-10-2023	78	28	7	BDL	Clear / Light breeze	
16-10-2023	17-10-2023	80	30	9	BDL	Clear / Calm	
22-10-2023	23-10-2023	76	26	8	BDL	Clear / Light breeze	
23-10-2023	24-10-2023	74	24	7	BDL	Clear / Light breeze	
29-10-2023	30-10-2023	80	28	8	BDL	Clear / Calm	
30-10-2023	31-10-2023	82	30	9	BDL	Clear / Calm	
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

MINE WATER DISCHARGE: UM3OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-10-2023	7.91	26	40	BDL
17-10-2023	8.07	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM3OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-10-2023	7.59	28	40	BDL
17-10-2023	7.80	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

J. Shrivastava

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

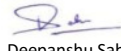
NOISE LEVEL MONITORING DATA

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

PIT OFFICE UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'2023	11-10-2023	20	20
OCT'2023	25-10-2023	53.6	52.5
		54.2	52.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

GOKUL OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

TEST REPORT NO.	RIN/TR/OCT-23/12	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

CONTRACTOR CAMP UGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-10-2023	12-10-2023	254	145	42	14	11	Clear/ Calm
24-10-2023	25-10-2023	263	156	48	13	10	Clear/ Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BESUR VILLAGE UGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-10-2023	04-10-2023	82	32	9	BDL	BDL	Clear/ Calm
04-10-2023	05-10-2023	80	30	8	BDL	BDL	Clear/ Calm
10-10-2023	11-10-2023	84	28	7	BDL	BDL	Clear/ Calm
11-10-2023	12-10-2023	78	26	6	BDL	BDL	Clear / Light breeze
17-10-2023	18-10-2023	76	24	7	BDL	BDL	Clear / Light breeze
18-10-2023	19-10-2023	74	26	8	BDL	BDL	Clear / Light breeze
24-10-2023	25-10-2023	80	30	8	BDL	BDL	Clear/ Calm
25-10-2023	26-10-2023	84	32	9	BDL	BDL	Clear/ Calm
31-10-2023	01-11-2023	82	28	8	BDL	BDL	Clear/ Calm
NAAQS, 2009		100	60	80	80	80	

NAND VILLAGE UGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-10-2023	04-10-2023	80	30	8	BDL	BDL	Clear/ Calm
04-10-2023	05-10-2023	82	28	7	BDL	BDL	Clear/ Calm
10-10-2023	11-10-2023	84	32	9	BDL	BDL	Clear/ Calm
11-10-2023	12-10-2023	72	24	7	BDL	BDL	Clear / Light breeze
17-10-2023	18-10-2023	80	28	7	BDL	BDL	Clear / Light breeze
18-10-2023	19-10-2023	82	30	8	BDL	BDL	Clear / Light breeze
24-10-2023	25-10-2023	72	24	7	BDL	BDL	Clear/ Calm
25-10-2023	26-10-2023	64	22	6	BDL	BDL	Clear/ Calm
31-10-2023	01-11-2023	74	28	7	BDL	BDL	Clear/ Calm
NAAQS, 2009		100	60	80	80	80	

POLGAON VILLAGE UGOA4						
DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	2	6	10	
03-10-2023	04-10-2023	84	32	9	BDL	Clear/ Calm
04-10-2023	05-10-2023	82	30	8	BDL	Clear/ Calm
10-10-2023	11-10-2023	80	28	7	BDL	Clear/ Calm
11-10-2023	12-10-2023	78	26	6	BDL	Clear / Light breeze
17-10-2023	18-10-2023	74	22	7	BDL	Clear / Light breeze
18-10-2023	19-10-2023	76	24	7	BDL	Clear / Light breeze
24-10-2023	25-10-2023	82	32	9	BDL	Clear/ Calm
25-10-2023	26-10-2023	80	30	8	BDL	Clear/ Calm
31-10-2023	01-11-2023	84	32	9	BDL	Clear/ Calm
NAAQS, 2009		100	60	80	80	

J. Shing

Analysed by

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

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

MINE WATER DISCHARGE: UGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-10-2023	7.89	24	32	BDL
24-10-2023	8.17	22	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): UGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-10-2023	7.60	24	36	BDL
24-10-2023	7.77	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

J. Shrivastava

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

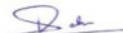
PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'2023	11-10-2023	53.8	52.2
OCT'2023	25-10-2023	54.1	52.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CONTRACTOR CAMP: UGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'2023	11-10-2023	53.2	51.4
OCT'2023	25-10-2023	53.4	51.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik

Reviewed by



Deepanshu Sahu

Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-II OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

\




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
---	--------------------	--

TEST REPORT NO.	RIN/TR/OCT-23/14	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

NEAR MANAGER OFFICE		UMOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-10-2023	06-10-2023	258	155	44	13	10	Cloudy / Calm
18-10-2023	19-10-2023	264	165	48	14	11	Clear / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE		UMOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-10-2023	06-10-2023	245	145	42	12	10	Cloudy / Calm
18-10-2023	19-10-2023	250	154	46	13	11	Clear / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE		UUAO3				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2023	04-10-2023	76	26	8	BDL	Cloudy / Calm
17-10-2023	18-10-2023	84	32	7	BDL	Clear / Light breeze
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY		UUAO4				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2023	04-10-2023	78	28	8	BDL	Cloudy / Calm
17-10-2023	18-10-2023	80	30	7	BDL	Clear / Light breeze
NAAQS, 2009		100	60	80	80	

J. Shetye

Analysed by

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

NOISE LEVEL MONITORING DATA

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

NEAR PIT OFFICE: UMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	NOISE LEVEL IN dB(A)
		DAY TIME	DAY TIME
	DETECTION LIMIT	20	20
OCT'23	11-10-2023	54.7	53.1
OCT'23	25-10-2023	54.2	53.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




OCTOBER 2023

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
---	--------------------	--

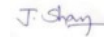
TEST REPORT NO.	RIN/TR/OCT-23/34	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	261	165	45	13	10	Clear / Calm
24-10-2023	25-10-2023	250	152	52	14	11	Clear / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2023	04-10-2023	82	32	9	BDL	Clear / Calm
04-10-2023	05-10-2023	80	30	8	BDL	Clear / Calm
08-10-2023	09-10-2023	84	32	9	BDL	Clear / Calm
09-10-2023	10-10-2023	80	30	8	BDL	Clear / Calm
15-10-2023	16-10-2023	72	26	6	BDL	Clear / Light breeze
16-10-2023	17-10-2023	80	30	9	BDL	Clear / Calm
22-10-2023	23-10-2023	70	24	7	BDL	Clear / Light breeze
23-10-2023	24-10-2023	68	22	6	BDL	Clear / Light breeze
29-10-2023	30-10-2023	82	32	9	BDL	Clear / Calm
30-10-2023	31-10-2023	80	30	8	BDL	Clear / Calm
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2023	04-10-2023	84	32	8	BDL	Clear / Calm
04-10-2023	05-10-2023	86	34	9	BDL	Clear / Calm
08-10-2023	09-10-2023	80	30	7	BDL	Clear / Calm
09-10-2023	10-10-2023	78	28	6	BDL	Clear / Calm
15-10-2023	16-10-2023	72	26	6	BDL	Clear / Light breeze
16-10-2023	17-10-2023	80	30	8	BDL	Clear / Calm
22-10-2023	23-10-2023	62	22	6	BDL	Clear / Light breeze
23-10-2023	24-10-2023	66	24	7	BDL	Clear / Light breeze
29-10-2023	30-10-2023	80	30	8	BDL	Clear / Calm
30-10-2023	31-10-2023	82	32	9	BDL	Clear / Calm
NAAQS, 2009		100	60	80	80	

KHURSAPUR VILLAGE UM10A4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-10-2023	04-10-2023	84	32	9	BDL	Clear / Calm
04-10-2023	05-10-2023	82	30	8	BDL	Clear / Calm
08-10-2023	09-10-2023	80	28	7	BDL	Clear / Calm
09-10-2023	10-10-2023	82	32	9	BDL	Clear / Calm
15-10-2023	16-10-2023	70	26	7	BDL	Clear / Light breeze
16-10-2023	17-10-2023	80	30	8	BDL	Clear / Calm
22-10-2023	23-10-2023	74	28	7	BDL	Clear / Light breeze
23-10-2023	24-10-2023	72	26	6	BDL	Clear / Light breeze
29-10-2023	30-10-2023	80	30	8	BDL	Clear / Calm
30-10-2023	31-10-2023	82	32	9	BDL	Clear / Calm
NAAQS, 2009		100	60	80	80	
HEOTI VILLAGE UM10A5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-10-2023	04-10-2023	82	30	8	BDL	Clear / Calm
04-10-2023	05-10-2023	84	32	9	BDL	Clear / Calm
08-10-2023	09-10-2023	80	28	7	BDL	Clear / Calm
09-10-2023	10-10-2023	78	26	6	BDL	Clear / Calm
15-10-2023	16-10-2023	64	22	6	BDL	Clear / Light breeze
16-10-2023	17-10-2023	82	32	9	BDL	Clear / Calm
22-10-2023	23-10-2023	68	26	7	BDL	Clear / Light breeze
23-10-2023	24-10-2023	66	24	6	BDL	Clear / Light breeze
29-10-2023	30-10-2023	80	30	8	BDL	Clear / Calm
30-10-2023	31-10-2023	82	32	9	BDL	Clear / Calm
NAAQS, 2009		100	60	80	80	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
10-10-2023	7.93	28	36	BDL
24-10-2023	8.69	30	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM1OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-10-2023	7.81	28	40	BDL
24-10-2023	7.61	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

J. Singh

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

PIT OFFICE: UM10N1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'2023	11-10-2023	54.9	52.4
OCT'2023	25-10-2023	54.5	53.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'2023	11-10-2023	43.4	42.9
OCT'2023	25-10-2023	43.3	41.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'2023	11-10-2023	43.5	42.3
OCT'2023	25-10-2023	43.8	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

MORPAR UG

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




OCTOBER 2023

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
---	--------------------	--

TEST REPORT NO.	RIN/TR/OCT-23/15	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-10-2023	05-10-2023	250	144	42	13	10	Cloudy / Calm
26-10-2023	27-10-2023	265	152	46	14	11	Clear / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-10-2023	05-10-2023	242	142	38	12	10	Cloudy / Calm
26-10-2023	27-10-2023	256	156	42	13	11	Clear / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	14	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-10-2023	05-10-2023	76	28	7	BDL	Cloudy / Calm
26-10-2023	27-10-2023	82	30	8	BDL	Clear / Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-10-2023	05-10-2023	74	26	6	BDL	Cloudy / Calm
26-10-2023	27-10-2023	80	28	8	BDL	Clear / Light breeze
NAAQS, 2009		100	60	80	80	

J. Chay

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		UMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
OCT'2023	11-10-2023	52.5	51.1
OCT'2023	25-10-2023	51.8	50.1
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
OCT'2023	11-10-2023	43.1	41.7
OCT'2023	25-10-2023	43.2	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

UMRER OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




OCTOBER 2023

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	
TEST REPORT NO.	RIN/TR/OCT-23/16	DATE OF ISSUE	28-11-2023		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-10-23 TO 15-11-23	

UMRER MANAGER OFFICE		UUOA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2023	04-10-2023	5	5	2	6	10	Cloudy / calm
17-10-2023	18-10-2023	245	142	42	12	10	Clear / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR WORKSHOP		UUOA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2023	04-10-2023	5	5	2	6	10	Cloudy / calm
17-10-2023	18-10-2023	255	154	44	12	10	Clear / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE		UUOA3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2023	04-10-2023	5	2	6	10	Cloudy / calm
17-10-2023	18-10-2023	76	26	8	BDL	Clear / Light breeze
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY		UUOA4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2023	04-10-2023	5	2	6	10	Cloudy / calm
17-10-2023	18-10-2023	78	28	8	BDL	Clear / Light breeze
NAAQS, 2009		100	60	80	80	



Analysed by

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


FUGITIVE DUST MONITORING


TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance document volume-		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

WEIGH BRIDGE UUOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
17-10-2023	18-10-2023	366	252	CLOUDY / CALM

RAILWAY SIDING UUOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
17-10-2023	18-10-2023	382	270	CLOUDY / CALM

CHP UUOF3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
17-10-2023	18-10-2023	372	265	CLOUDY / CALM


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23


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
05-10-2023	7.98	24	36	BDL
18-10-2023	7.7	28	32	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
05-10-2023	8.15	22	32	BDL
18-10-2023	7.57	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP:		UUOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
05-10-2023	30	11.4	
18-10-2023	28	12.6	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30	

J. Shyam

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7102
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

CHP:		UUON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
	OCT'2023	11-10-2023	66.5
OCT'2023	25-10-2023	67.2	65.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UUON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
	OCT'2023	11-10-2023	43.4
OCT'2023	25-10-2023	43.8	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

GHUGUS OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/17	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-10-2023	13-10-2023	337	223	67	24	13	CLEAR / CALM
23-10-2023	24-10-2023	318	207	62	22	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-10-2023	13-10-2023	341	244	66	23	13	CLEAR / CALM
19-10-2023	20-10-2023	322	223	63	21	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-10-2023	13-10-2023	112	41	15	BDL	CLEAR / CALM
23-10-2023	24-10-2023	97	39	14	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-10-2023	13-10-2023	107	39	16	BDL	CLEAR / CALM
19-10-2023	20-10-2023	96	36	15	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	


 Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

CHP: WGOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
12-10-2023	13-10-2023	487	289	CLEAR / CALM

RAILWAY SIDING: WGOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
12-10-2023	13-10-2023	467	277	CLEAR / CALM


 Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

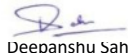
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

CHP: WGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	13-10-2023	69.1	67.5
OCT'23	26-10-2023	68.4	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	13-10-2023	47.5	45.6
OCT'23	26-10-2023	46.3	45.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

KOLGAON OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/18	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	328	211	64	23	12	CLOUDY/CALM
29-10-2023	30-10-2023	347	238	67	24	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	321	211	68	23	11	CLEAR/CALM
16-10-2023	17-10-2023	293	197	63	22	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	108	41	16	BDL	CLEAR/CALM
29-10-2023	30-10-2023	96	44	15	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-10-2023	08-10-2023	103	43	15	BDL	CLEAR/CALM
09-10-2023	09-10-2023	107	39	17	BDL	CLEAR/CALM
15-10-2023	16-10-2023	111	37	17	BDL	CLEAR/CALM
16-10-2023	17-10-2023	112	40	16	BDL	CLEAR/CALM
22-10-2023	23-10-2023	97	43	14	BDL	CLEAR/CALM
23-10-2023	24-10-2023	104	41	16	BDL	CLEAR/CALM
29-10-2023	30-10-2023	109	33	17	BDL	CLEAR/CALM
30-10-2023	31-10-2023	89	32	14	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---


FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
10-10-2023	11-10-2023	494	287	CLEAR / CALM



Analysed by


Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7102
---	--------------------	--

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
09-10-2023	7.85	42	32	BDL
29-10-2023	7.69	58	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

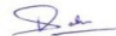
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: WKON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	09-10-2023	53.4	52.5
OCT'23	29-10-2023	56.4	54.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI): WKON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	09-10-2023	44.2	43.5
OCT'23	29-10-2023	46.5	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

MUGOLI OC

WANI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/19	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

SUBSTATION WMOA1							
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	
10-10-2023	11-10-2023	352	227	68	24	13	CLEAR/CALM
22-10-2023	23-10-2023	311	213	63	23	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE WMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10-10-2023	11-10-2023	321	211	68	23	11	CLEAR/CALM
16-10-2023	17-10-2023	293	197	63	22	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

KAILSHNAGAR TOWNSHIP - FILTER PLANT WMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-10-2023	08-10-2023	103	43	15	BDL	CLEAR/CALM	
09-10-2023	09-10-2023	107	39	17	BDL	CLEAR/CALM	
15-10-2023	16-10-2023	111	37	17	BDL	CLEAR/CALM	
16-10-2023	17-10-2023	112	40	16	BDL	CLEAR/CALM	
22-10-2023	23-10-2023	97	43	14	BDL	CLEAR/CALM	
23-10-2023	24-10-2023	104	41	16	BDL	CLEAR/CALM	
29-10-2023	30-10-2023	109	33	17	BDL	CLEAR/CALM	
30-10-2023	31-10-2023	89	32	14	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

TUBEWELL NEAR SAKHARA VILLAGE WMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-10-2023	08-10-2023	103	41	16	BDL	CLEAR/CALM	
09-10-2023	09-10-2023	107	32	15	BDL	CLEAR/CALM	
15-10-2023	16-10-2023	104	37	14	BDL	CLEAR/CALM	
16-10-2023	17-10-2023	101	40	13	BDL	CLEAR/CALM	
22-10-2023	23-10-2023	97	44	14	BDL	CLEAR/CALM	
23-10-2023	24-10-2023	104	37	17	BDL	CLEAR/CALM	
29-10-2023	30-10-2023	107	38	16	BDL	CLEAR/CALM	
30-10-2023	31-10-2023	112	41	15	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		


 Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		SECURITY CHECK POST		ENVIRONMENT CONDITIONS (Sky/Wind)
		WMOF1		
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
11-10-2023	12-10-2023	492	267	CLEAR / CALM



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
08-10-2023	7.02	48	40	BDL
26-10-2023	7.18	44	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WMOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-10-2023	7.09	36	28	BDL
26-10-2023	7.33	42	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP: WMON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	09-10-2023	64.7	63.2
OCT'23	29-10-2023	68.4	66.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI): WMON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	09-10-2023	44.2	43.5
OCT'23	29-10-2023	46.5	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated
either directly or indirectly to the press or to any person not holding
an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

NAIGAON OC

WANI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/OCT-23/20		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47 16-10-23 TO 15-11-23	

SAMPLING OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-10-2023	10-10-2023	347	218	67	24	12	CLEAR / CALM
19-10-2023	20-10-2023	312	198	62	23	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

WORKSHOP ETP NOCM WNOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-10-2023	09-10-2023	347	211	66	23	12	CLEAR / CALM
22-10-2023	23-10-2023	308	199	62	22	10	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	60	120	120	

BELLORA REHABILITATION VILLAGE WNGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-10-2023	10-10-2023	103	44	17	BDL	CLEAR / CALM	
19-10-2023	20-10-2023	94	39	15	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		

FILTER PLANT NEAR VIP GUEST HOUSE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-10-2023	10-10-2023	101	43	16	BDL	CLEAR / CALM	
19-10-2023	20-10-2023	97	37	15	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

WEIGHT BRIDGE WNGOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	s	s	
09-10-2023	10-10-2023	488	259	CLEAR / CALM


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
09-10-2023	3.85	54	24	BDL
29-10-2023	3.53	58	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-10-2023	7.85	56	48	BDL
29-10-2023	7.53	42	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10


Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP: WNGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	68.8	66.4
OCT'23	26-10-2023	66.7	64.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WNGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	47.5	45.6
OCT'23	26-10-2023	46.3	45.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

NILJAI DEEP OC

WANI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/21	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-10-2023	09-10-2023	337	218	67	24	12	CLEAR / CALM
22-10-2023	23-10-2023	318	196	63	23	10	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
08-10-2023	09-10-2023	347	211	66	23	12	CLEAR / CALM
22-10-2023	23-10-2023	308	199	62	22	10	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-10-2023	09-10-2023	103	43	16	BDL	CLEAR/CALM
09-10-2023	10-10-2023	111	42	15	BDL	CLEAR/CALM
15-10-2023	16-10-2023	107	37	16	BDL	CLEAR/CALM
16-10-2023	17-10-2023	106	39	17	BDL	CLEAR/CALM
22-10-2023	23-10-2023	105	41	17	BDL	CLEAR/CALM
23-10-2023	24-10-2023	97	39	16	BDL	CLEAR/CALM
29-10-2023	30-10-2023	112	42	15	BDL	CLEAR/CALM
30-10-2023	31-10-2023	108	43	16	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

TARODA VILLAGE WNOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM₁₀	PM_{2.5}	NO₂	SO₂	
FROM	TO	5	2	6	10	
08-10-2023	09-10-2023	103	43	15	BDL	CLEAR/CALM
09-10-2023	10-10-2023	107	41	16	BDL	CLEAR/CALM
15-10-2023	16-10-2023	119	40	17	BDL	CLEAR/CALM
16-10-2023	17-10-2023	89	38	15	BDL	CLEAR/CALM
22-10-2023	23-10-2023	93	37	16	BDL	CLEAR/CALM
23-10-2023	24-10-2023	112	38	17	BDL	CLEAR/CALM
29-10-2023	30-10-2023	108	41	15	BDL	CLEAR/CALM
30-10-2023	31-10-2023	110	39	16	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING


TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		WEIGHT BRIDGE WNOF1		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
05-10-2023	06-10-2023	5	5	CLEAR / CALM
		497	273	

DATE(dd:mm:yy) OF SAMPLING		CHP WNOF2		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
08-10-2023	09-10-2023	5	5	CLEAR / CALM
		488	267	



Analysed by

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

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

MINE WATER DISCHARGE: WNOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-10-2023	7.1	46	40	BDL
26-10-2023	7.13	42	36	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
08-10-2023	7.5	58	44	BDL
26-10-2023	7.75	42	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)T.WATER: WNOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
08-10-2023	64	11.4
26-10-2023	78	12
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



Analysed by

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


NOISE LEVEL MONITORING DATA

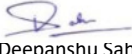
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

CHP-NILJAI: WNON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	68.4	66.5
OCT'23	26-10-2023	67.1	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP-NILJAI(S): WNON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	67.1	65.3
OCT'23	26-10-2023	68.4	66.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(NILJAI): WNON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	13-10-2023	46.4	44.1
OCT'23	26-10-2023	46.5	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


 Ashwin B Wasnik
 Reviewed by


 Deepanshu Sahu
 Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

PENGANGA OC

WANI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/23	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

MANAGER OFFICE WPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-10-2023	12-10-2023	358	248	64	24	13	CLEAR/CALM
16-10-2023	17-10-2023	318	237	61	22	12	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	


NEAR MINE WPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-10-2023	12-10-2023	334	242	67	23	11	CLEAR/CALM
16-10-2023	17-10-2023	321	224	62	22	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

VIRUR VILLAGE WPOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-10-2023	09-10-2023	108	41	16	BDL	CLEAR/CALM
09-10-2023	10-10-2023	106	43	15	BDL	CLEAR/CALM
15-10-2023	16-10-2023	103	38	14	BDL	CLEAR/CALM
16-10-2023	17-10-2023	97	37	17	BDL	CLEAR/CALM
22-10-2023	23-10-2023	88	34	17	BDL	CLEAR/CALM
23-10-2023	24-10-2023	96	39	16	BDL	CLEAR/CALM
29-10-2023	30-10-2023	104	41	15	BDL	CLEAR/CALM
30-10-2023	31-10-2023	109	43	17	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

GADEGAON VILLAGE WPOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-10-2023	09-10-2023	112	34	16	BDL	CLEAR/CALM
09-10-2023	10-10-2023	110	37	17	BDL	CLEAR/CALM
15-10-2023	16-10-2023	106	41	15	BDL	CLEAR/CALM
16-10-2023	17-10-2023	101	39	14	BDL	CLEAR/CALM
22-10-2023	23-10-2023	88	41	14	BDL	CLEAR/CALM
23-10-2023	24-10-2023	96	40	13	BDL	CLEAR/CALM
29-10-2023	30-10-2023	104	39	17	BDL	CLEAR/CALM
30-10-2023	31-10-2023	106	41	15	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
11-10-2023	12-10-2023	493	274	CLEAR / CALM


Analysed by


Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

MINE WATER DISCHARGE: WPOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-10-2023	7.32	42	36	BDL
26-10-2023	7.61	38	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

NEAR WORKSHOP: WPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	09-10-2023	55.3	54.0
OCT'23	29-10-2023	57.3	54.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

GHONSA OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

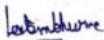
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.	RIN/TR/OCT-23/23	DATE OF ISSUE	28-11-2023		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE		SAMPLING PLAN :	LQR 47	
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-10-23 TO 15-11-23	

PROJECT MANAGER OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
12-10-2023	13-10-2023	241	169	34	14	BDL	CLEAR / CALM
22-10-2023	23-10-2023	261	179	30	16	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
		5	5	2	6	10	
12-10-2023	13-10-2023	269	187	36	16	13	CLEAR / CALM
22-10-2023	23-10-2023	241	157	31	17	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

GHONSA VILLAGE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
12-10-2023	13-10-2023	73	29	9	BDL	CLEAR / CALM	
22-10-2023	23-10-2023	85	24	10	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		

GUEST HOUSE/ COLONY WNGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
12-10-2023	13-10-2023	88	24	8	BDL	CLEAR / CALM	
22-10-2023	23-10-2023	98	28	9	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
06-10-2023	7.85	24	40	BDL
23-10-2023	7.92	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

Latimkhane

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: WNGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	12-10-2023	58.6	57.4
OCT'23	22-10-2023	54.3	52.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (GHONSA) WNGON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	12-10-2023	43.5	42.2
OCT'23	22-10-2023	44.6	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

JUNAD OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/24	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

SAM OFFICE WNJOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05-10-2023	06-10-2023	269	182	45	14	BDL	CLEAR / CALM
28-10-2023	29-10-2023	312	199	41	18	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120	

BORGAON VILLAGE WNJOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05-10-2023	06-10-2023	70	26	7	BDL		CLEAR / CALM
28-10-2023	29-10-2023	89	29	8	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		

BHALAR TOWNSHIP WNUOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-10-2023	09-10-2023	92	22	9	BDL		CLEAR / CALM
29-10-2023	30-10-2023	99	28	10	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		

UKNI VILLAGE WNUOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-10-2023	09-10-2023	87	23	10	BDL		CLEAR / CALM
29-10-2023	30-10-2023	96	27	9	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		

labindhure

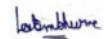
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
--	-------------	---


FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance document		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		SECURITY POST	WOF1	ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
05-10-2023	06-10-2023	379	271	CLEAR / CALM



Analysed by


Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		
SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23		

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
08-10-2023	7.72	22	32	BDL
20-10-2023	7.63	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNJOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-10-2023	7.26	36	44	BDL
20-10-2023	7.44	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

Labdhare

Analysed by


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


NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: WNJON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	12-10-2023	54.4	53.2
OCT'23	22-10-2023	56.3	54.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNJON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	12-10-2023	44.2	43.4
OCT'23	22-10-2023	46.5	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


 Ashwin B Wasnik
 Reviewed by


 Deepanshu Sahu
 Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

KOLARPIMPRI OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/25	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23


SUBSTATION KOLARPIMPRI WNKOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-10-2023	05-10-2023	271	189	46	15	BDL	CLEAR / CALM
20-10-2023	21-10-2023	301	193	50	16	11	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120	

REST SHELTER WNKOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-10-2023	05-10-2023	249	167	40	16	12	CLEAR / CALM
20-10-2023	21-10-2023	274	186	49	17	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120	

PIMPRI VILLAGE WNKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-10-2023	07-10-2023	78	20	8	BDL	CLEAR / CALM	
07-10-2023	08-10-2023	63	19	9	BDL	CLEAR / CALM	
13-10-2023	14-10-2023	86	26	10	BDL	CLEAR / CALM	
14-10-2023	15-10-2023	66	24	9	BDL	CLEAR / CALM	
20-10-2023	21-10-2023	88	23	7	BDL	CLEAR / CALM	
21-10-2023	22-10-2023	78	24	8	BDL	CLEAR / CALM	
27-10-2023	28-10-2023	96	21	7	BDL	CLEAR / CALM	
28-10-2023	29-10-2023	82	20	10	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		

WATER FILTER PLANT PRAGATI NAGAR WNKOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
06-10-2023	07-10-2023	89	21	10	BDL	CLEAR SKY / CALM	
07-10-2023	08-10-2023	80	28	8	BDL	CLEAR SKY / CALM	
13-10-2023	14-10-2023	77	27	7	BDL	CLEAR SKY / CALM	
14-10-2023	15-10-2023	71	23	10	BDL	CLEAR SKY / CALM	
20-10-2023	21-10-2023	93	19	8	BDL	CLEAR SKY / CALM	
21-10-2023	22-10-2023	71	27	9	BDL	CLEAR SKY / CALM	
27-10-2023	28-10-2023	69	24	9	BDL	CLEAR SKY / CALM	
28-10-2023	29-10-2023	85	21	7	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		


Analysed by

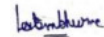
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7182
---	--------------------	--

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
06-10-2023	07-10-2023	381	288	CLEAR / CALM

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
06-10-2023	07-10-2023	396	293	CLEAR / CALM



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
07-10-2023	7.65	30	44	BDL
22-10-2023	7.42	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

labimhane

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

CHP: WNKON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	13-10-2023	68.4	66.5
OCT'23	26-10-2023	66.4	64.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	12-10-2023	43.9	42.3
OCT'23	22-10-2023	45.4	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated
either directly or indirectly to the press or to any person not holding
an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

PIMPALGAON OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

TEST REPORT NO.	RIN/TR/OCT-23/27	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-10-2023	10-10-2023	261	177	39	15	BDL	CLEAR/ CALM
23-10-2023	24-10-2023	302	193	46	18	16	CLEAR/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
09-10-2023	10-10-2023	288	189	42	13	BDL	CLEAR/ CALM
23-10-2023	24-10-2023	274	167	38	15	BDL	CLEAR/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-10-2023	07-10-2023	89	20	8	BDL	CLEAR/ CALM
07-10-2023	08-10-2023	73	23	10	BDL	CLEAR/ CALM
13-10-2023	14-10-2023	94	26	7	BDL	CLEAR/ CALM
14-10-2023	15-10-2023	80	20	9	BDL	CLEAR/ CALM
20-10-2023	21-10-2023	71	27	9	BDL	CLEAR/ CALM
21-10-2023	22-10-2023	86	26	7	BDL	CLEAR/ CALM
27-10-2023	28-10-2023	74	21	8	BDL	CLEAR/ CALM
28-10-2023	29-10-2023	92	25	10	BDL	CLEAR/ CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-10-2023	06-10-2023	70	26	7	BDL	CLEAR/ CALM
28-10-2023	29-10-2023	89	29	8	BDL	CLEAR/ CALM
NAAQS, 2009		100	60	80	80	

labdhume

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---


FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

WEIGH BRIDGE WNPOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
06-10-2023	07-10-2023	5	5	CLEAR / CALM
		381	277	


CHP WNPOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO			
06-10-2023	07-10-2023	5	5	CLEAR / CALM
		378	283	

labindhore
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

MINE WATER DISCHARGE: WNPOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-10-2023	3.45	24	28	BDL
18-10-2023	3.34	28	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

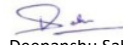
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

CHP: WNPN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	12-10-2023	65.3	64.5
OCT'23	22-10-2023	63.4	61.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	12-10-2023	43.9	42.3
OCT'23	22-10-2023	45.4	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/28	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

NEAR BANDEWADA INCLINE WNRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14-10-2023	15-10-2023	222	135	48	15	BDL	CLEAR / CALM
21-10-2023	22-10-2023	249	156	42	17	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE WNRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14-10-2023	15-10-2023	247	156	42	16	14	CLEAR / CALM
21-10-2023	22-10-2023	262	174	47	14	11	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

PIT OFFICE WNRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
14-10-2023	15-10-2023	271	189	42	16	14	CLEAR / CALM
21-10-2023	22-10-2023	277	193	46	15	11	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

HUTMENT WNRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
14-10-2023	15-10-2023	75	26	8	BDL	CLEAR / CALM	
21-10-2023	22-10-2023	89	30	9	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		

labindur

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE WNUF1		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
14-10-2023	15-10-2023	377	289	CLEAR / CALM

latimkhane

Analysed by


Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
05-10-2023	8.32	28	36	BDL
27-10-2023	8.11	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

labindure

Analysed by

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

NOISE LEVEL MONITORING DATA

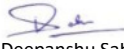
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
OCT'23	12-10-2023	61.2	60.3
OCT'23	22-10-2023	68.5	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
OCT'23	12-10-2023	45.3	44.0
OCT'23	22-10-2023	45.6	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

UKNI DEEP OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/OCT-23/29	DATE OF ISSUE		28-11-2023
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE	SAMPLING PLAN :		LQR 47
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23	

WORKSHOP PREMISES WNUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08-10-2023	09-10-2023	259	176	34	15	11	CLEAR / CALM
29-10-2023	30-10-2023	310	193	42	16	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

BHALAR TOWNSHIP WNUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-10-2023	09-10-2023	92	22	9	BDL		CLEAR / CALM
29-10-2023	30-10-2023	99	28	10	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		

UKNI VILLAGE WNUOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08-10-2023	09-10-2023	87	23	10	BDL		CLEAR / CALM
29-10-2023	30-10-2023	96	27	9	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		

PIMPRI VILLAGE WNKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-10-2023	07-10-2023	78	20	8	BDL		CLEAR / CALM
07-10-2023	08-10-2023	63	19	9	BDL		CLEAR / CALM
13-10-2023	14-10-2023	86	26	10	BDL		CLEAR / CALM
14-10-2023	15-10-2023	66	24	9	BDL		CLEAR / CALM
20-10-2023	21-10-2023	88	23	7	BDL		CLEAR / CALM
21-10-2023	22-10-2023	78	24	8	BDL		CLEAR / CALM
27-10-2023	28-10-2023	96	21	7	BDL		CLEAR / CALM
28-10-2023	29-10-2023	82	20	10	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		

labhume

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---


FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

WEIGH BRIDGE WNUOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
08-10-2023	09-10-2023	364	269	CLEAR / CALM

CHP WNOF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
08-10-2023	09-10-2023	398	288	CLEAR / CALM

labhandwritten
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :			16-10-23 TO 15-11-23

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
10-10-2023	4.40	38	40	BDL
20-10-2023	6.99	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-10-2023	7.34	24	36	BDL
20-10-2023	7.29	28	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP DISCHARGE: WNUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
10-10-2023	38	14
20-10-2023	32	12
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

labindhore

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

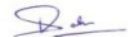
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, OCT-2015
SAMPLING METHOD	LSOP 6

CHP: WNUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	12-10-2023	64.4	62.4
OCT'23	22-10-2023	66.7	64.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNUON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	12-10-2023	44.2	43.4
OCT'23	22-10-2023	46.5	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

WANI RAILWAY SIDING

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/30	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-10-2023	07-10-2023	158	124	33	12	BDL	CLEAR SKY / CALM
07-10-2023	08-10-2023	177	153	36	13	BDL	CLEAR SKY / CALM
13-10-2023	14-10-2023	179	159	38	11	BDL	CLEAR SKY / CALM
14-10-2023	15-10-2023	166	149	40	12	BDL	CLEAR SKY / CALM
20-10-2023	21-10-2023	167	135	30	13	BDL	CLEAR SKY / CALM
21-10-2023	22-10-2023	162	147	33	11	BDL	CLEAR SKY / CALM
27-10-2023	28-10-2023	157	129	31	12	10	CLEAR SKY / CALM
28-10-2023	29-10-2023	150	131	32	13	BDL	CLEAR SKY / CALM
TLV		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-10-2023	07-10-2023	71	25	8	BDL	CLEAR SKY / CALM
07-10-2023	08-10-2023	83	20	7	BDL	CLEAR SKY / CALM
13-10-2023	14-10-2023	77	29	9	BDL	CLEAR SKY / CALM
14-10-2023	15-10-2023	65	24	10	BDL	CLEAR SKY / CALM
20-10-2023	21-10-2023	86	29	9	BDL	CLEAR SKY / CALM
21-10-2023	22-10-2023	70	25	9	BDL	CLEAR SKY / CALM
27-10-2023	28-10-2023	89	24	10	BDL	CLEAR SKY / CALM
28-10-2023	29-10-2023	75	21	7	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-10-2023	07-10-2023	89	20	8	BDL	CLEAR SKY / CALM
07-10-2023	08-10-2023	73	23	10	BDL	CLEAR SKY / CALM
13-10-2023	14-10-2023	94	26	7	BDL	CLEAR SKY / CALM
14-10-2023	15-10-2023	80	20	9	BDL	CLEAR SKY / CALM
20-10-2023	21-10-2023	71	27	9	BDL	CLEAR SKY / CALM
21-10-2023	22-10-2023	86	26	7	BDL	CLEAR SKY / CALM
27-10-2023	28-10-2023	74	21	8	BDL	CLEAR SKY / CALM
28-10-2023	29-10-2023	92	25	10	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

labindure
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7182
---	--------------------	--

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
06-10-2023	07-10-2023	377	269	CLEAR / CALM

Lab. Signature

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

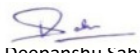
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, OCTUST-2015
SAMPLING METHOD	LSOP 6

Residential Area Near Railway siding		WNRSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'23	13-10-2023	47.5	45.4
OCT'23	26-10-2023	46.4	44.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NEAR INCHARGE OFFICE:		WNRSN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'23	13-10-2023	66.7	64.3
OCT'23	26-10-2023	65.6	63.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

AMBARA OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/67	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 14-08-23

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	
13-10-2023	14-10-2023	5	5	2	6	10	CLOUDY/WINDY
28-10-2023	29-10-2023	252	152	42	12	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE- MOHAN KAU2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-10-2023	14-10-2023	5	5	2	6	10	CLOUDY/WINDY
28-10-2023	29-10-2023	248	145	42	12	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER KMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
11-10-2023	12-10-2023	5	2	6	10	CLOUDY/WINDY	
27-10-2023	28-10-2023	76	28	7	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
11-10-2023	12-10-2023	5	2	6	10	CLOUDY/WINDY	
27-10-2023	28-10-2023	74	26	7	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

J. Shy
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: KAON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	08-10-2023	45.4	44.1
OCT'23	22-10-2023	49.5	47.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN/MAORI): KMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	08-10-2023	42.4	41.1
OCT'23	22-10-2023	43.2	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in theCIL / Government

ENVIRONMENTAL MONITORING REPORT

AREA WORKSHOP

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/69	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

AREA WORKSHOP KAWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
11-10-2023	12-10-2023	224	128	32	12	10	CLOUDY/ WINDY
25-10-2023	26-10-2023	236	138	34	13	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

J. Shy

Analysed by

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

NOISE LEVEL MONITORING DATA

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

WORK SHOP PREMISES:		KAWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	OCT'23	08-10-2023	52.6
OCT'23	22-10-2023	46.6	45.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

GHORAWARI OC

KANHAN AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.	RIN/TR/OCT-23/70	DATE OF ISSUE	28-11-2023		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-10-23 TO 15-11-23	

MANAGER OFFICE-OC KGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-10-2023	12-10-2023	238	138	32	13	11	CLOUDY/WINDY
25-10-2023	26-10-2023	246	148	34	12	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI KJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	265	156	37	13	11	CLOUDY/WINDY
24-10-2023	25-10-2023	148	146	35	12	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA KJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-10-2023	11-10-2023	78	26	6	BDL	CLOUDY/WINDY	
24-10-2023	25-10-2023	82	28	8	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

PANARA VILLAGE KJUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-10-2023	11-10-2023	76	28	8	BDL	CLOUDY/WINDY	
24-10-2023	25-10-2023	84	26	7	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

J. Shrivastava
Analysed by

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

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE KAUF1		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
25-10-2023	26-10-2023	365	254	CLEAR/ CALM

J. Shrivastava

Analysed by


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

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
11-10-2023	7.52	32	44	BDL
25-10-2023	6.6	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

J. Ganj

Analysed by

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

NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE:		KGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
OCT'23	08-10-2023	46.7	45.4
OCT'23	22-10-2023	43.3	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(JHARNA):		KGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
OCT'23	08-10-2023	43.7	42.4
OCT'23	22-10-2023	42.7	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

JHARNA / GHORAWARI UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067




OCTOBER 2023



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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/OCT-23/71	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

MANAGER OFFICE- JHARNA UG KJUA1							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	255	155	36	14	11	CLOUDY/WINDY
24-10-2023	25-10-2023	238	142	34	13	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


SAM-OFFICE GHORAWARI KJUA2							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	265	156	37	13	11	CLOUDY/WINDY
24-10-2023	25-10-2023	148	146	35	12	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA KJUA3							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-10-2023	11-10-2023	78	26	6	BDL	CLOUDY/WINDY	
24-10-2023	25-10-2023	82	28	8	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

PANARA VILLAGE KJUA4							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-10-2023	11-10-2023	76	28	8	BDL	CLOUDY/WINDY	
24-10-2023	25-10-2023	84	26	7	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

J. Singh

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE: KJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	08-10-2023	45.2	44.9
OCT'23	22-10-2023	44.6	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	08-10-2023	43.7	42.4
OCT'23	22-10-2023	42.7	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

MOHAN/ MAORI UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/72	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-10-2023	14-10-2023	245	146	42	12	10	CLOUDY/WINDY
28-10-2023	29-10-2023	256	158	48	13	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13-10-2023	14-10-2023	252	152	42	12	10	CLOUDY/WINDY
28-10-2023	29-10-2023	265	162	48	14	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-10-2023	12-10-2023	76	28	7	BDL	CLOUDY/WINDY
27-10-2023	28-10-2023	84	30	8	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-10-2023	12-10-2023	74	26	7	BDL	CLOUDY/WINDY
27-10-2023	28-10-2023	82	28	8	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

J. Shrivastava

Analysed by

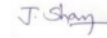
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance document		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

MANAGER OFFICE CHP KAUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
26-10-2023	27-10-2023	365	268	CLEAR / CALM

PALACHURI KAUF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
26-10-2023	27-10-2023	395	285	CLEAR / CALM



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	08-10-2023	69.1	68.9
OCT'23	22-10-2023	69.2	68.8
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
OCT'23	08-10-2023	42.4	41.1
OCT'23	22-10-2023	43.2	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

NANDAN UG

KANHAN AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/73	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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	
09-10-2023	10-10-2023	254	145	38	13	10	CLOUDY/WINDY
23-10-2023	24-10-2023	269	152	46	14	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE NANADAN II UG KNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-10-2023	10-10-2023	249	152	38	14	11	CLOUDY/WINDY
23-10-2023	24-10-2023	265	164	40	11	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HEALTH CENTER-NANADAN UG KNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-10-2023	10-10-2023	76	32	8	BDL	CLOUDY/WINDY	
23-10-2023	24-10-2023	84	34	7	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

NANDAN WATER FILTER PLANT KNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
09-10-2023	10-10-2023	72	28	8	BDL	CLOUDY/WINDY	
23-10-2023	24-10-2023	82	34	9	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

J. Choug

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

MINE WATER DISCHARGE: KNUW1		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	
08-10-2023	7.42	26	36	BDL	
23-10-2023	7.25	28	44	BDL	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10	

J. Shrivastava

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE UG II: KNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
OCT'23	08-10-2023	68.8	67.5
OCT'23	22-10-2023	71.6	70.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
OCT'23	08-10-2023	42.5	41.3
OCT'23	22-10-2023	43.4	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly
or indirectly to the press or to any person not holding an official position in
the CIL / Government

ENVIRONMENTAL MONITORING REPORT

SHARDA UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/74a	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

INCLINE SHARDA KSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-10-2023	13-10-2023	246	145	42	13	11	CLOUDY/WINDY
27-10-2023	28-10-2023	252	152	44	12	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

UMARIA FADALI VILLAGE KSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
12-10-2023	13-10-2023	74	25	7	BDL	BDL	CLOUDY/WINDY
27-10-2023	28-10-2023	82	28	8	BDL	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		100	60	80	80	80	

TATARWADA VILLAGE KSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
12-10-2023	13-10-2023	78	26	7	BDL	BDL	CLOUDY/WINDY
27-10-2023	28-10-2023	84	30	8	BDL	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	80	

JAMUNBADA DARBAR VILLAGE KSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
12-10-2023	13-10-2023	76	28	6	BDL	BDL	CLOUDY/WINDY
27-10-2023	28-10-2023	80	32	8	BDL	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	80	


J. Singh
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 <small>TC-7102</small>
---	--------------------	---


FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE KSUF1		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
25-10-2023	26-10-2023	344	244	CLEAR/ CALM


 Analysed by




Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102
SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G:			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23	

MINE WATER DISCHARGE: KSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-10-2023	7.54	30	44	BDL
26-10-2023	7.85	32	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

J. Shrivastava

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

NEAR PIT OFFICE		KSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'23	08-10-2023	48.3	47.7
OCT'23	22-10-2023	50.7	49.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

UMARIA FADALI VILLAGE		KSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'23	08-10-2023	43.1	41.9
OCT'23	22-10-2023	42.3	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

TATARWADA VILLAGE		KSUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'23	08-10-2023	43.1	41.9
OCT'23	22-10-2023	42.8	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

TANDSI UG

KANHAN AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/74	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

WORKSHOP KTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-10-2023	09-10-2023	230	130	32	13	11	CLOUDY/WINDY
22-10-2023	23-10-2023	238	138	34	12	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

LAMP ROOM KTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-10-2023	09-10-2023	234	136	34	14	11	CLOUDY/WINDY
22-10-2023	23-10-2023	246	148	36	12	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY NEAR HEALTH CENTER KTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-10-2023	09-10-2023	77	28	7	BDL	CLOUDY/WINDY	
22-10-2023	23-10-2023	84	32	6	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

JET HOSTEL KTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-10-2023	09-10-2023	76	24	6	BDL	CLOUDY/WINDY	
22-10-2023	23-10-2023	82	30	8	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

J. Shy

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
08-10-2023	8.16	28	36	BDL
26-10-2023	7.96	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

J. Shan

Analysed by

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

NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		KTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
OCT'23	08-10-2023	69.8	68.6
OCT'23	22-10-2023	71.6	70.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(TANDSI):		KTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
OCT'23	08-10-2023	43.6	42.4
OCT'23	22-10-2023	43.5	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

CHATTARPUR I & II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/75	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

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	
04-10-2023	05-10-2023	321	209	64	23	12	CLOUDY / WINDY
17-10-2023	18-10-2023	288	183	61	21	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
04-10-2023	05-10-2023	297	192	62	21	BDL	CLOUDY / WINDY
17-10-2023	18-10-2023	268	167	53	19	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
04-10-2023	05-10-2023	268	169	57	22	10	CLOUDY / WINDY
17-10-2023	18-10-2023	297	194	53	19	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
04-10-2023	05-10-2023	101	42	15	BDL	CLOUDY / WINDY	
17-10-2023	18-10-2023	96	38	14	BDL	CLOUDY / CALM	
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

COAL STOCK BUNKER -I PCHUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	CLOUDY / CALM
18-10-2023	19-10-2023	434	242	

COAL STOCK BUNKER -II PCHUF2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	CLOUDY / CALM
18-10-2023	19-10-2023	467	237	



Analysed by

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

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD : LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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
05-10-2023	7.94	56	44	BDL
18-10-2023	7.95	44	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE II UG: PKCUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-10-2023	8.35	44	32	BDL
18-10-2023	8.12	38	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'23	07-10-2023	70.8	68.4
OCT'23	20-10-2023	71.6	69.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-II UG:		PKCUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'23	07-10-2023	70.5	69.1
OCT'23	20-10-2023	70.7	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		PKCUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'23	07-10-2023	43.7	42.4
OCT'23	20-10-2023	43.7	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

SARNI UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.		RIN/TR/OCT-23/76		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		LQR 47 16-10-23 TO 15-11-23	

SUBSTATION SARNI UG PKSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-10-2023	08-10-2023	292	193	56	21	11	CLOUDY / WINDY
21-10-2023	22-10-2023	267	164	47	19	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

NEAR DY. CME OFFICE PKSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-10-2023	08-10-2023	301	193	54	23	11	CLOUDY / WINDY
21-10-2023	22-10-2023	256	167	46	19	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

GM OFFICE ENTRANCE GATE PKSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07-10-2023	08-10-2023	91	39	16	BDL	CLOUDY / WINDY	
21-10-2023	22-10-2023	87	36	14	BDL	CLOUDY / CALM	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		100	60	80	80		

PATHAKHERA COLONY PKSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
07-10-2023	08-10-2023	93	40	15	BDL	CLOUDY / WINDY	
21-10-2023	22-10-2023	87	34	14	BDL	CLOUDY / CALM	
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
07-10-2023	7.51	56	44	BDL
20-10-2023	7.98	38	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
OCT'23	07-10-2023	72.1	69.8
OCT'23	20-10-2023	72.6	69.7
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
		20	20
OCT'23	07-10-2023	42.5	41.1
OCT'23	20-10-2023	43.4	42.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

SHOBHAPUR UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTEMBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/77	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-10-2023	06-10-2023	293	173	54	20	BDL	CLOUDY / WINDY
19-10-2023	20-10-2023	267	163	46	18	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
05-10-2023	06-10-2023	297	193	53	21	11	CLOUDY / WINDY
19-10-2023	20-10-2023	261	166	44	20	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-10-2023	06-10-2023	93	37	15	BDL	CLOUDY / WINDY
19-10-2023	20-10-2023	84	34	16	BDL	CLOUDY / CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-10-2023	06-10-2023	97	40	15	BDL	CLOUDY / WINDY
19-10-2023	20-10-2023	84	36	16	BDL	CLOUDY / CALM
NAAQS, 2009		100	60	80	80	



Analysed by

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

NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	07-10-2023	68.8	66.4
OCT'23	20-10-2023	70.3	69.9
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
OCT'23	07-10-2023	43.6	42.3
OCT'23	20-10-2023	42.6	41.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated
either directly or indirectly to the press or to any person not
holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

TAWA-II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067




OCTEMBER 2023



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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/OCT-23/78	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

MANAGER OFFICE- TAWA II PKT2UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-10-2023	07-10-2023	284	184	51	21	BDL	CLOUDY / WINDY
20-10-2023	21-10-2023	257	163	46	19	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	


SAM OFFICE PKTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-10-2023	07-10-2023	266	183	51	20	11	CLOUDY / WINDY
20-10-2023	21-10-2023	253	157	46	18	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

MPEB COLONY PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-10-2023	07-10-2023	97	41	16	BDL	CLOUDY / WINDY	
20-10-2023	21-10-2023	88	36	14	BDL	CLOUDY / CALM	
NAAQS, 2009		100	60	80	80		

HIRA PALLA/BHAGAIKHAPA VILLAGE PKT2UA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-10-2023	07-10-2023	101	43	14	BDL	CLOUDY / WINDY	
20-10-2023	21-10-2023	92	37	16	BDL	CLOUDY / CALM	
NAAQS, 2009		100	60	80	80		



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7182
---	--------------------	--

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
18-10-2023	19-10-2023	472	243	CLOUDY / CALM



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7192
---	--------------------	--

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
06-10-2023	8.10	38	32	BDL
19-10-2023	8.11	42	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

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

NOISE LEVEL MONITORING DATA

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

MONTH	FAN HOUSE:	PKTUN1	
	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	07-10-2023	67.7	68.4
OCT'23	20-10-2023	69.5	68.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

TAWA UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



OCTEMBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/79	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-10-2023	07-10-2023	266	183	51	20	11	CLOUDY / WINDY
20-10-2023	21-10-2023	253	157	46	18	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
06-10-2023	07-10-2023	284	184	51	21	BDL	CLOUDY / WINDY
20-10-2023	21-10-2023	257	163	46	19	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-10-2023	07-10-2023	97	41	16	BDL	CLOUDY / WINDY
20-10-2023	21-10-2023	88	36	14	BDL	CLOUDY / CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-10-2023	07-10-2023	101	43	14	BDL	CLOUDY / WINDY
20-10-2023	21-10-2023	92	37	16	BDL	CLOUDY / CALM
NAAQS, 2009		100	60	80	80	


 Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
06-10-2023	8.10	34	28	BDL
19-10-2023	7.94	50	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE: PKTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	07-10-2023	71.6	69.1
OCT'23	20-10-2023	71.5	69.4
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
OCT'23	07-10-2023	44.6	43.2
OCT'23	20-10-2023	42.4	42.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

BARKUHI OC

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102	
TEST REPORT NO.	RIN/TR/OCT-23/54	DATE OF ISSUE	28-11-2023		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-10-23 TO 15-11-23	

MANAGER OFFICE PBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
12-10-2023	13-10-2023	231	162	46	15	12	CLEAR SKY / CALM
29-10-2023	30-10-2023	259	185	37	16	14	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAM OFFICE PBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11-10-2023	12-10-2023	250	168	32	15	BDL	CLEAR SKY / CALM
28-10-2023	29-10-2023	273	180	40	16	10	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

CHANDAMETA WORKSHOP PCWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
12-10-2023	13-10-2023	221	158	40	13	BDL	CLEAR SKY / CALM
29-10-2023	30-10-2023	251	173	48	15	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

CENTRAL SCHOOL PBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
12-10-2023	13-10-2023	78	24	7	BDL	CLEAR SKY / CALM	
29-10-2023	30-10-2023	88	29	9	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

lab signature
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

WEIGH BRIDGE PBOF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
11-10-2023	12-10-2023	342	232	CLEAR SKY / CALM

lab signature

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7192
---	--------------------	--

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

ETP DISCHARGE: PBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-10-2023	8.36	24	32	BDL
21-10-2023	8.30	22	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

lab signature

Analysed by

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

NOISE LEVEL MONITORING DATA

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

NEAR BARKUI HOSPITAL: PBON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	05-10-2023	45.7	44.4
OCT'23	19-10-2023	45.8	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

CHANDAMETA WORKSHOP

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



OCTOBER 2023

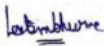
Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY


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

TEST REPORT NO.	RIN/TR/OCT-23/55	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12-10-2023	13-10-2023	221	158	40	13	BDL	CLEARSKY / CALM
29-10-2023	30-10-2023	251	173	48	15	BDL	CLEARSKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	




Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

ETP DISCHARGE: PCWW1		ANALYSIS RESULTS			
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)	
12-10-2023	8.41	26	36		BDL
21-10-2023	8.33	24	32		BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250		10

labindhore
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

NEAR CHANDAMETA WORKSHOP:		PCWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	05-10-2023	46.2	44.9
OCT'23	19-10-2023	47.4	45.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

CHINDA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

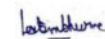
TEST REPORT NO.	RIN/TR/OCT-23/56	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

SAM OFFICE PCOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-10-2023	12-10-2023	201	149	37	12	BDL	CLEAR SKY / CALM
28-10-2023	29-10-2023	247	167	44	11	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120	

CHINDA OC - SITE PCOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	243	158	41	12	BDL	CLEAR SKY / CALM
27-10-2023	28-10-2023	261	174	49	15	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTober 2000		600	300	-	120	120	

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
11-10-2023	12-10-2023	71	26	8	BDL	CLEAR SKY / CALM	
28-10-2023	29-10-2023	89	30	9	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

CHINDA COLONY PNSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
10-10-2023	11-10-2023	77	24	7	BDL	CLEAR SKY / CALM	
27-10-2023	28-10-2023	86	28	10	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		



Analysed by

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

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
11-10-2023	8.20	32	44	BDL
21-10-2023	8.16	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

labindhu

Analysed by

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

NOISE LEVEL MONITORING DATA

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

NEAR MANAGER OFFICE: PCON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	05-10-2023	45.4	44.8
OCT'23	19-10-2023	45.6	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	05-10-2023	45.8	44.6
OCT'23	19-10-2023	45.5	44.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

DHANKASA UG

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/66a	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

BHUMKADHANA VILLAGE PDUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-10-2023	05-10-2023	74	25	7	BDL	CLEAR SKY / CALM
18-10-2023	19-10-2023	86	21	9	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

CHARUN KHAPA PDUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-10-2023	05-10-2023	76	28	9	BDL	CLEAR SKY / CALM
18-10-2023	19-10-2023	89	24	8	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

BANKI VILLAGE PDUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-10-2023	05-10-2023	82	23	18	BDL	CLEAR SKY / CALM
18-10-2023	19-10-2023	71	28	10	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

DIGHAWANI VILLAGE PDUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-10-2023	05-10-2023	94	22	10	BDL	CLEAR SKY / CALM
18-10-2023	19-10-2023	88	29	8	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

MANAGER OFFICE PDUA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-10-2023	05-10-2023	267	187	36	15	11	CLEAR SKY / CALM
18-10-2023	19-10-2023	286	201	40	17	14	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

labdhare
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

MINE WATER DISCHARGE: PDUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-10-2023	8.39	38	48	BDL
18-10-2023	8.41	40	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

Labdhare

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

BHUMKADHANA VILLAGE		PDUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	05-10-2023	44.1	42.2
OCT'23	19-10-2023	44.2	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

CHARUN KHAPA VILLAGE		PDUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	05-10-2023	45.6	43.9
OCT'23	19-10-2023	45.5	44.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

BANKI VILLAGE		PDUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	05-10-2023	45.2	43.7
OCT'23	19-10-2023	45.1	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DIGHAWANI VILLAGE		PDUN4	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	05-10-2023	43.9	42.1
OCT'23	19-10-2023	44.4	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

MANAGER OFFICE		PDUN5	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	05-10-2023	47.6	45.9
OCT'23	19-10-2023	47.8	46.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CL / Government

ENVIRONMENTAL MONITORING REPORT

JAMUNIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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


TEST REPORT NO.	RIN/TR/OCT-23/58	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-10-2023	06-10-2023	234	154	34	14	BDL	CLOUDY / CALM
19-10-2023	20-10-2023	268	172	41	16	10	CLOUDY / CALM
23		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	
05-10-2023	06-10-2023	231	147	38	13	BDL	CLOUDY / CALM
19-10-2023	20-10-2023	255	164	33	15	13	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-10-2023	06-10-2023	68	25	9	BDL	CLOUDY / CALM
19-10-2023	20-10-2023	88	29	8	BDL	CLOUDY / CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-10-2023	07-10-2023	70	21	8	BDL	CLEAR SKY / CALM
20-10-2023	21-10-2023	85	29	9	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	


 Analysed by

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

NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: PJUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	05-10-2023	45.2	43.8
OCT'23	19-10-2023	45.1	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

MAHADEOPURI UG

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/59	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2023	04-10-2023	273	196	40	17	15	CLEAR SKY / CALM
17-10-2023	18-10-2023	305	213	49	15	11	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
03-10-2023	04-10-2023	297	201	37	16	11	CLEAR SKY / CALM
17-10-2023	18-10-2023	315	224	45	17	14	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2023	04-10-2023	93	22	9	BDL	CLEAR SKY / CALM
17-10-2023	18-10-2023	81	27	10	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2023	04-10-2023	88	27	10	BDL	CLEAR SKY / CALM
17-10-2023	18-10-2023	93	24	8	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7102
---	--------------------	--


FUGITIVE DUST MONITORING


TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
09-10-2023	10-10-2023	386	278	CLEAR SKY / CALM

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
08-10-2023	09-10-2023	345	234	CLEAR SKY / CALM

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	
08-10-2023	09-10-2023	360	257	CLEAR SKY / CALM


Analysed by

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

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

MINE WATER DISCHARGE: PMUW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-10-2023	8.59	26	32	BDL
17-10-2023	8.33	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

LabSignature

Analysed by

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

NOISE LEVEL MONITORING DATA

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

FAN HOUSE: PMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	05-10-2023	69.7	68.1
OCT'23	19-10-2023	68.7	67.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PMUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	05-10-2023	45.4	43.8
OCT'23	19-10-2023	45.2	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

NEHARIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

TEST REPORT NO.	RIN/TR/OCT-23/60	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

SAM OFFICE PNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-10-2023	07-10-2023	291	204	46	16	11	CLEAR SKY / CALM
20-10-2023	21-10-2023	264	189	40	15	10	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

LAMP ROOM/ SUBSTATION PNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06-10-2023	07-10-2023	288	192	45	17	15	CLEAR SKY / CALM
20-10-2023	21-10-2023	309	216	50	15	11	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-10-2023	07-10-2023	81	27	10	BDL	CLEAR SKY / CALM	
20-10-2023	21-10-2023	93	32	8	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
06-10-2023	07-10-2023	70	21	8	BDL	CLEAR SKY / CALM	
20-10-2023	21-10-2023	85	29	9	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

lab
lab

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

COAL STCOK BUNKER PNUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
20-10-2023	21-10-2023	409	296	CLEAR SKY / CALM

lab/...
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
06-10-2023	8.15	28	32	BDL
19-10-2023	8.22	32	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: PNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-10-2023	8.41	32	36	BDL
19-10-2023	8.63	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

labindkumar

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE: PNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	05-10-2023	69.8	68.5
OCT'23	19-10-2023	69.9	68.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	05-10-2023	45.7	44.8
OCT'23	19-10-2023	45.2	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated
either directly or indirectly to the press or to any person not holding
an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

NEW SETHIA OC

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

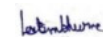
TEST REPORT NO.	RIN/TR/OCT-23/61	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	264	172	45	16	11	CLEAR SKY / CALM
27-10-2023	28-10-2023	285	197	41	15	10	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 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	
11-10-2023	12-10-2023	201	149	37	12	BDL	CLEAR SKY / CALM
28-10-2023	29-10-2023	247	167	44	11	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11-10-2023	12-10-2023	71	26	8	BDL	CLEAR SKY / CALM
28-10-2023	29-10-2023	89	30	9	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10-10-2023	11-10-2023	77	24	7	BDL	CLEAR SKY / CALM
27-10-2023	28-10-2023	86	28	10	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7192
---	--------------------	--

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

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
10-10-2023	8.48	32	48	BDL
21-10-2023	8.40	30	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

labindhane

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

NEAR MANAGER OFFICE:		PSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	05-10-2023	46.2	44.9
OCT'23	19-10-2023	45.9	44.8
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
OCT'23	05-10-2023	45.5	44.6
OCT'23	19-10-2023	45.5	44.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

SHIVPURI OC

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/62	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

SITE OFFICE PSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08-10-2023	09-10-2023	5	5	2	6	10	CLEAR SKY / CALM
25-10-2023	26-10-2023	259	174	40	12	BDL	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	CLEAR SKY / CALM

SUBSTATION VISHNUPURI-I PV1UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09-10-2023	10-10-2023	5	5	2	6	10	CLEAR SKY / CALM
26-10-2023	27-10-2023	261	189	37	13	BDL	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	CLEAR SKY / CALM

COLONY GUEST HOUSE SHIVPURI PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-10-2023	09-10-2023	5	2	6	10	CLEAR SKY / CALM	
25-10-2023	26-10-2023	81	25	9	BDL		
NAAQS, 2009		100	60	80	80	CLEAR SKY / CALM	

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
11-10-2023	12-10-2023	5	2	6	10	CLEAR SKY / CALM	
28-10-2023	29-10-2023	71	26	8	BDL		
NAAQS, 2009		100	60	80	80	CLEAR SKY / CALM	




Analysed by

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

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	DATE:-	16-10-23 TO 15-11-23

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE		ENVIRONMENT CONDITIONS (Sky/Wind)
		UUOF1		
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
09-10-2023	10-10-2023	5	5	
		346	237	CLEAR / CALM


Analysed by

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

NOISE LEVEL MONITORING DATA

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

NEAR MANAGER OFFICE: PSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	05-10-2023	45.7	44.4
OCT'23	19-10-2023	45.7	44.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	05-10-2023	45.6	44.2
OCT'23	19-10-2023	45.8	44.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

THESGORA MATHANI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/OCT-23/63	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

MATHANI VILLAGE PTUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-10-2023	07-10-2023	86	24	10	BDL	CLEAR SKY / CALM
21-10-2023	22-10-2023	96	28	8	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

SAM OFFICE PTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
07-10-2023	07-10-2023	244	162	33	13	BDL	CLEAR SKY / CALM
21-10-2023	22-10-2023	278	182	40	14	11	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

MANAGER OFFICE- MATHANI PTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂		SO ₂
07-10-2023	07-10-2023	276	182	36	15	11	CLEAR SKY / CALM
21-10-2023	22-10-2023	293	204	42	16	11	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

JHURE COLONY- FILTER PLANT PTUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07-10-2023	07-10-2023	78	23	8	BDL	CLEAR SKY / CALM
21-10-2023	22-10-2023	89	30	10	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	


labindure
Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance document		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

COAL STCOK BUNKER PTUF1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	
FROM	TO	5	5	
21-10-2023	22-10-2023	436	324	CLEAR SKY / CALM


 Analysed by

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

SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

MINE WATER DISCHARGE: PTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-10-2023	8.05	28	36	BDL
21-10-2023	8.12	22	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

Lab signature

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

FAN HOUSE-MATHANI:		PTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	05-10-2023	69.7	68.1
OCT'23	19-10-2023	69.8	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY-THESGORA:		PTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
OCT'23	05-10-2023	45.7	43.8
OCT'23	19-10-2023	45.1	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

URDHAN OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



OCTOBER 2023



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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/OCT-23/64	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

URDHAN MANAGER OFFICE PUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-10-2023	06-10-2023	301	214	33	16	12	CLEAR SKY / CALM
19-10-2023	20-10-2023	287	193	28	17	12	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	


URDHAN VILLAGE PUOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05-10-2023	06-10-2023	83	20	10	BDL	CLEAR SKY / CALM
19-10-2023	20-10-2023	92	26	9	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

NEHARIA VILLAGE PNUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-10-2023	07-10-2023	81	27	10	BDL	CLEAR SKY / CALM
20-10-2023	21-10-2023	93	32	8	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

BOKAI TOWNSHIP PNUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06-10-2023	07-10-2023	70	21	8	BDL	CLEAR SKY / CALM
20-10-2023	21-10-2023	85	29	9	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

labindure

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---


FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

COAL STCOK BUNKER		PTUF1		ENVIRONMENT CONDITIONS (Sky/Wind)
PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	
FROM	TO	5	5	
19-10-2023	20-10-2023	422	312	CLEAR SKY / CALM

Labdhume

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7182
---	--------------------	--


SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD : LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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
06-10-2023	8.25	38	44	BDL
19-10-2023	8.37	34	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: PUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-10-2023	7.93	24	32	BDL
19-10-2023	8.09	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

Lab signature

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 EC-7182
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: PUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
OCT'23	05-10-2023	47.8	45.4
OCT'23	19-10-2023	47.6	46.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

VISHNUPURI-II UG

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



OCTOBER 2023

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

AN ISO 9001:2015 COMPANY

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

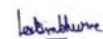
TEST REPORT NO.	RIN/TR/OCT-23/66	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

SAMPLING LOCATION: 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	
09-10-2023	10-10-2023	241	164	42	15	11	CLEAR SKY / CALM
26-10-2023	27-10-2023	271	189	48	16	12	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAMPLING LOCATION: 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	
09-10-2023	10-10-2023	261	189	37	13	BDL	CLEAR SKY / CALM
26-10-2023	27-10-2023	277	202	46	14	11	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTember 2000		600	300	-	120	120	

SAMPLING LOCATION: COLONY GUEST HOUSE SHIVPURI PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08-10-2023	09-10-2023	81	25	9	BDL	CLEAR SKY / CALM	
25-10-2023	26-10-2023	93	29	7	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

SAMPLING LOCATION: CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
11-10-2023	12-10-2023	71	26	8	BDL	CLEAR SKY / CALM	
28-10-2023	29-10-2023	89	30	9	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		




Analysed by

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

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-10-23 TO 15-11-23	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE PBOF1		ENVIRONMENT CONDITIONS (Sky/Wind)
		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)		
FROM	TO	SPM	PM ₁₀	
10-10-2023	11-10-2023	5	5	CLEAR SKY / CALM
		349	266	


 Analysed by

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

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-10-23 TO 15-11-23

MINE WATER DISCHARGE: PV2UW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-10-2023	8.26	30	44	BDL
21-10-2023	8.29	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

Signature

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE UG-II: PV2UN1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	05-10-2023	69.7	68.2
OCT'23	19-10-2023	69.8	68.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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



STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

CWS TADALI

CWS TADALI

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



OCT 2023



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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/SEPT-23/53	DATE OF ISSUE	28-11-2023
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-10-23 TO 15-11-23

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	
03-10-2023	04-10-2023	282	160	50	12	10	CLEAR/CALM
16-10-2023	17-10-2023	274	156	56	13	11	CLEAR/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	13	120	

NEAR FILTER PLANT: CWSA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-10-2023	04-10-2023	54	32	10	10	CLEAR/CALM	
16-10-2023	17-10-2023	48	35	12	BDL	CLEAR/ CALM	
NAAQS, 2009		100	60	80	80		

ADMINISTRATIVE BUILDING: CWSA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-10-2023	04-10-2023	157	42	29	14	10	CLEAR/CALM
16-10-2023	17-10-2023	144	40	34	12	10	CLEAR/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CWS COLONY: CWSA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03-10-2023	04-10-2023	46	37	11	BDL	CLEAR/CALM	
16-10-2023	17-10-2023	35	30	11	10	CLEAR/ CALM	
NAAQS, 2009		100	60	80	80		




Analysed by


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

SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-10-23 TO 15-11-23

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
11-10-2023	7.22	30	32	3.2
17-10-2023	8.64	34	36	3.8
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

NEAR WORKSHOP: CWSN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	09-10-2023	57.0	56.4
OCT'23	29-10-2023	55.3	53.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(CWS): CWSN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
OCT'23	09-10-2023	43.7	42.0
OCT'23	29-10-2023	45.5	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik
Reviewed by



Deepanshu Sahu
Authorised by

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

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