



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

Amalgamation of Gouri & Pauni OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/44	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-24 TO 15-10-24	

MANAGER OFFICE-GOURI-I OC				BGOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
06.09.2024	07.09.2024	312	230	62	23	15	Cloudy Sky / Light Breeze
21.09.2024	22.09.2024	310	220	60	23	14	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE GOURI SUB AREA			BGOA2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
06.09.2024	07.09.2024	264	172	56	20	14	
21.09.2024	22.09.2024	270	176	48	18	13	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT			BSOA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
03.09.2024	04.09.2024	62	28	12	BDL	Cloudy Sky / Light Breeze
04.09.2024	05.09.2024	65	26	8	BDL	Cloudy Sky / Light Breeze
10.09.2024	11.09.2024	70	30	9	BDL	Cloudy Sky / Light Breeze
11.09.2024	12.09.2024	78	32	10	BDL	Cloudy Sky / Light Breeze
18.09.2024	19.09.2024	75	40	15	BDL	Cloudy Sky / Light Breeze
19.09.2024	20.09.2024	79	36	12	BDL	Cloudy Sky / Light Breeze
25.09.2024	26.09.2024	82	32	11	BDL	Cloudy Sky / Light Breeze
26.09.2024	27.09.2024	89	42	10	BDL	Rainy sky /Light Breeze
NAAQS, 2009		100	60	80	80	

GOURI VILLAGE			BGOA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
01.09.2024	02.09.2024	64	36	14	BDL	Cloudy Sky / Light Breeze
02.09.2024	03.09.2024	67	30	12	BDL	Riny Sky / Light Breeze
08.09.2024	09.09.2024	70	34	10	BDL	Cloudy Sky / Light Breeze
09.09.2024	10.09.2024	58	27	11	BDL	Riny Sky / Light Breeze
16.09.2024	17.09.2024	56	19	8	BDL	Cloudy Sky / Light Breeze
17.09.2024	18.09.2024	65	30	12	BDL	Cloudy Sky / Light Breeze
23.09.2024	24.09.2024	74	36	10	BDL	Cloudy Sky / Light Breeze
24.09.2024	25.09.2024	63	32	11	BDL	Riny 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 :	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: BGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.09.2024	7.81	28	52	BDL
21.09.2024	7.85	36	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.09.2024	7.65	34	60	BDL
21.09.2024	7.96	40	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP: BAGPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	12.09.2024	64.8	62.8
SEPT'24	27.09.2024	65.9	63.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE (PAUNI OC) BAGPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	12.09.2024	57.8	56.8
SEPT'24	27.09.2024	55.9	54.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	12.09.2024	42.7	41.8
SEPT'24	27.09.2024	44.8	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45


Amol Kamble
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 OC

BALLARPUR AREA

JOB NO. 4094423068



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-24/41		DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-09-24 TO 15-10-24

MANAGER OFFICE-BALLARPUR UG BBUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.09.2024	06.09.2024	276	159	54	19	12	Cloudy Sky /Light Breeze
20.09.2024	21.09.2024	286	196	58	16	12	Cloudy Sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

SUBSTATION BBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.09.2024	06.09.2024	245	136	42	16	10	Cloudy Sky /Light Breeze
20.09.2024	21.09.2024	264	156	42	19	13	Cloudy Sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE BBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.09.2024	06.09.2024	282	164	53	18	13	Cloudy Sky /Light Breeze
20.09.2024	21.09.2024	275	164	52	16	10	Cloudy Sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

FILTER PLANT COLONY BBUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
01.09.2024	02.09.2024	72	30	11	BDL	Cloudy Sky /Light Breeze	
02.09.2024	03.09.2024	70	28	10	BDL	Rainy sky /Light Breeze	
08.09.2024	09.09.2024	64	26	9	BDL	Cloudy Sky /Light Breeze	
09.09.2024	10.09.2024	58	32	8	BDL	Rainy sky /Light Breeze	
16.09.2024	17.09.2024	76	32	11	BDL	Cloudy Sky /Light Breeze	
17.09.2024	18.09.2024	68	28	10	BDL	Cloudy Sky /Light Breeze	
23.09.2024	24.09.2024	74	29	10	BDL	Cloudy Sky /Light Breeze	
24.09.2024	25.09.2024	80	38	12	BDL	Rainy 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 : 16-09-24 TO 15-10-24

MINE WATER DISCHARGE: BBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.09.2024	7.52	36	32	BDL
20.09.2024	7.8	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

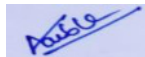
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP: BBUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	64.8	62.6
SEPT'24	27.09.2024	65.7	63.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY BALLARPUR UG: BBUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	43.6	41.7
SEPT'24	27.09.2024	43.6	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/42	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MANAGER OFFICE- BALLARPUR UG							BBUA1
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.09.2024	06.09.2024	276	159	54	19	12	Cloudy Sky /Light Breeze
20.09.2024	21.09.2024	286	196	58	16	12	Cloudy Sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION							BBOA2
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.09.2024	06.09.2024	245	136	42	16	10	Cloudy Sky /Light Breeze
20.09.2024	21.09.2024	264	156	42	19	13	Cloudy Sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE							BBOA3
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.09.2024	06.09.2024	282	164	53	18	13	Cloudy Sky /Light Breeze
20.09.2024	21.09.2024	275	164	52	16	10	Cloudy Sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT COLONY			BBUA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
01.09.2024	02.09.2024	72	30	11	BDL	Cloudy Sky /Light Breeze
02.09.2024	03.09.2024	70	28	10	BDL	Rainy sky /Light Breeze
08.09.2024	09.09.2024	64	26	9	BDL	Cloudy Sky /Light Breeze
09.09.2024	10.09.2024	58	32	8	BDL	Rainy sky /Light Breeze
16.09.2024	17.09.2024	76	32	11	BDL	Cloudy Sky /Light Breeze
17.09.2024	18.09.2024	68	28	10	BDL	Cloudy Sky /Light Breeze
23.09.2024	24.09.2024	74	29	10	BDL	Cloudy Sky /Light Breeze
24.09.2024	25.09.2024	80	38	12	BDL	Rainy 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 : 16-09-24 TO 15-10-24

MINE WATER DISCHARGE:		BBUW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.09.2024	7.65	36	40	BDL
20.09.2024	7.76	32	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

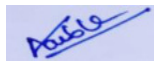
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE: BBUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	67.7	65.9
SEPT'24	27.09.2024	70.6	69.1
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	20
SEPT'24	12.09.2024	43.6	41.7
SEPT'24	27.09.2024	43.6	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/43	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MANAGER OFFICE				BGDO1			
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 _x	So _x	
FROM	TO	5	5	2	6	10	
06.09.2024	07.09.2024	304	210	60	19	13	Cloudy Sky / Light Breeze
21.09.2024	22.09.2024	304	182	62	24	12	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MUTRA VILLAGE			BGDO2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS	24 hourly values in µg/m ³			ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No _x	So _x	
FROM	TO	5	2	6	10	
01.09.2024	02.09.2024	60	28	12	BDL	Cloudy Sky / Light Breeze
02.09.2024	03.09.2024	52	20	11	BDL	Rainy Sky / Light Breeze
08.09.2024	09.09.2024	70	34	14	BDL	Cloudy Sky / Light Breeze
09.09.2024	10.09.2024	63	30	12	BDL	Rainy Sky / Light Breeze
16.09.2024	17.09.2024	55	32	11	BDL	Cloudy Sky / Light Breeze
17.09.2024	18.09.2024	64	34	12	BDL	Cloudy Sky / Light Breeze
23.09.2024	24.09.2024	58	29	10	BDL	Cloudy Sky / Light Breeze
24.09.2024	25.09.2024	67	33	10	BDL	Rainy Sky / Light Breeze
NAAQS, 2009		100	60	80	80	

GOYEGAON VILLAGE			BGDO3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS	24 hourly values in $\mu\text{g}/\text{m}^3$			ENVIRONMENT CONDITIONS (Sky/Wind)
			PM ₁₀	PM _{2.5}	No _x	
FROM	TO	5	2	6	10	
01.09.2024	02.09.2024	76	38	15	BDL	Cloudy Sky / Light Breeze
02.09.2024	03.09.2024	73	32	10	BDL	Rainy Sky / Light Breeze
08.09.2024	09.09.2024	64	34	11	BDL	Cloudy Sky / Light Breeze
09.09.2024	10.09.2024	69	30	12	BDL	Rainy Sky / Light Breeze
16.09.2024	17.09.2024	76	30	12	BDL	Cloudy Sky / Light Breeze
17.09.2024	18.09.2024	60	34	11	BDL	Cloudy Sky / Light Breeze
23.09.2024	24.09.2024	72	36	10	BDL	Cloudy Sky / Light Breeze
24.09.2024	25.09.2024	52	16	12	BDL	Rainy Sky / Light Breeze
NAAQS, 2009		100	60	80	80	

RAILWAY SIDDING				BGDO4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
FROM	TO	5	5	2	6	10	
06.09.2024	07.09.2024	310	276	64	26	17	Cloudy Sky / Light Breeze
21.09.2024	22.09.2024	324	206	60	18	10	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	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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 :	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: BGDW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.09.2024	7.81	24	44	BDL
21.09.2024	7.85	36	52	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
06.09.2024	7.86	28	36	BDL
21.09.2024	8.02	32	56	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, JUNE-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	12.09.2024	55.6	54.6
SEPT'24	27.09.2024	57.6	56.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MUTHRA VILLAGE :		BGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	12.09.2024	44.7	43.7
SEPT'24	27.09.2024	44.1	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/45	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

SAM OFFICE- DHOPTALA SUB AREA				BND0A1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
13.09.2024	14.09.2024	282	176	58	22	12	Cloudy Sky / Light Breeze
28.09.2024	29.09.2024	245	156	42	16	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE-DHOPTALA OC				BND0A2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
13.09.2024	14.09.2024	296	182	60	20	16	Cloudy Sky / Light Breeze
28.09.2024	29.09.2024	276	168	54	18	10	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SASTI COLONY			BSUA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
03.09.2024	04.09.2024	82	32	11	BDL	Cloudy Sky / Light Breeze
04.09.2024	05.09.2024	86	38	12	BDL	Rainy Sky / Light Breeze
10.09.2024	11.09.2024	76	42	14	BDL	Cloudy Sky / Light Breeze
11.09.2024	12.09.2024	84	40	14	BDL	Rainy Sky / Light Breeze
18.09.2024	19.09.2024	82	38	13	BDL	Cloudy Sky / Light Breeze
19.09.2024	20.09.2024	76	34	12	BDL	Cloudy Sky / Light Breeze
25.09.2024	26.09.2024	78	30	10	BDL	Cloudy Sky / Light Breeze
26.09.2024	27.09.2024	84	40	15	BDL	Rainy Sky / Light Breeze
NAAQS, 2009		100	60	80	80	

MUTHRA VILLAGE					BGDO2	
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	
01.09.2024	02.09.2024	60	28	12	BDL	Cloudy Sky / Light Breeze
02.09.2024	03.09.2024	52	20	11	BDL	Rainy Sky / Light Breeze
08.09.2024	09.09.2024	70	34	14	BDL	Cloudy Sky / Light Breeze
09.09.2024	10.09.2024	63	30	12	BDL	Rainy Sky / Light Breeze
16.09.2024	17.09.2024	55	32	11	BDL	Cloudy Sky / Light Breeze
17.09.2024	18.09.2024	64	34	12	BDL	Cloudy Sky / Light Breeze
23.09.2024	24.09.2024	58	29	10	BDL	Cloudy Sky / Light Breeze
24.09.2024	25.09.2024	67	33	10	BDL	Rainy 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 : 16-09-24 TO 15-10-24

MINE WATER DISCHARGE: BNDOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13.09.2024	7.86	44	56	BDL
28.09.2024	8.45	26	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, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP: BNDON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	65.7	63.7
SEPT'24	27.09.2024	63.8	62.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY: BSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	43.5	42.6
SEPT'24	27.09.2024	43.6	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/47	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MINE OFFICE BP2OA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.09.2024	08.09.2024	276	178	54	17	11	Cloudy Sky / light breeze
22.09.2024	23.09.2024	284	189	60	19	14	Cloudy Sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION BP2OA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.09.2024	08.09.2024	260	170	53	18	12	Cloudy Sky / light breeze
22.09.2024	23.09.2024	235	152	54	20	13	Cloudy Sky / light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAKHARI VILLAGE BP2OA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03.09.2024	04.09.2024	70	30	11	BDL		Cloudy Sky / light breeze
04.09.2024	05.09.2024	74	34	13	BDL		Rainy sky /light breeze
10.09.2024	11.09.2024	82	36	12	BDL		Cloudy Sky / light breeze
11.09.2024	12.09.2024	77	38	12	BDL		Rainy sky /light breeze
18.09.2024	19.09.2024	59	30	9	BDL		Cloudy Sky / light breeze
19.09.2024	20.09.2024	64	34	10	BDL		Cloudy Sky / light breeze
25.09.2024	26.09.2024	69	30	12	BDL		Cloudy Sky / light breeze
26.09.2024	27.09.2024	74	32	12	BDL		Rainy sky /light breeze
NAAQS, 2009		100	60	80	80		

WORKSHOP PAUNI OC BPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.09.2024	08.09.2024	287	192	62	19	13	Cloudy Sky / light breeze
22.09.2024	23.09.2024	270	178	52	21	14	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	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: 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 :	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: BP2OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.09.2024	7.72	44	52	BDL
22.09.2024	7.64	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25-09- 2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BP2OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.09.2024	7.45	28	56	BDL
22.09.2024	7.62	36	56	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

MANAGER OFFICE: BPON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	56.9	55.7
SEPT'24	27.09.2024	56.7	55.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SAKHARI VILLAGE : BPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	44.9	42.8
SEPT'24	27.09.2024	43.8	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/48	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

SAM OFFICE-SASTI OCBSOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
FROM	TO	5	5	2	6	10
13.09.2024	14.09.2024	210	139	40	22	13
28.09.2024	29.09.2024	215	152	40	20	15
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

AREA STOREBSOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂
FROM	TO	5	5	2	6	10
13.09.2024	14.09.2024	234	146	44	21	10
28.09.2024	29.09.2024	246	169	52	18	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

GOURI COLONY FILTER PLANTBSOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
03.09.2024	04.09.2024	62	28	12	BDL	Cloudy Sky / Light Breeze
04.09.2024	05.09.2024	65	26	8	BDL	Cloudy Sky / Light Breeze
10.09.2024	11.09.2024	70	30	9	BDL	Cloudy Sky / Light Breeze
11.09.2024	12.09.2024	78	32	10	BDL	Cloudy Sky / Light Breeze
18.09.2024	19.09.2024	75	40	15	BDL	Cloudy Sky / Light Breeze
19.09.2024	20.09.2024	79	36	12	BDL	Cloudy Sky / Light Breeze
25.09.2024	26.09.2024	82	32	11	BDL	Cloudy Sky / Light Breeze
26.09.2024	27.09.2024	89	42	10	BDL	Rainy sky /Light Breeze
NAAQS, 2009		100	60	80	80	

SASTI VILLAGEBSUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	2	6	10	
03.09.2024	04.09.2024	56	32	14	BDL	Cloudy Sky / Light Breeze
04.09.2024	05.09.2024	45	16	12	BDL	Cloudy Sky / Light Breeze
10.09.2024	11.09.2024	53	18	12	BDL	Cloudy Sky / Light Breeze
11.09.2024	12.09.2024	60	30	11	BDL	Cloudy Sky / Light Breeze
18.09.2024	19.09.2024	56	26	10	BDL	Cloudy Sky / Light Breeze
19.09.2024	20.09.2024	64	28	12	BDL	Cloudy Sky / Light Breeze
25.09.2024	26.09.2024	60	32	9	BDL	Cloudy Sky / Light Breeze
26.09.2024	27.09.2024	58	30	8	BDL	Rainy sky /Light Breeze
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 :	16-09-24 TO 15-10-24

MINE WATER DISCHARGE:		BSOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13.09.2024	7.96	40	48	BDL
28.09.2024	7.66	44	30	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE:		BSOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13.09.2024	7.86	32	52	BDL
28.09.2024	8.02	32	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED:		BSOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)		BOD(in mg/l)
DETECTION LIMIT	10		2
13.09.2024	36		10.6
28.09.2024	40		12.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100		30



Analysed by

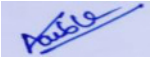
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	-------------	---

NOISE LEVEL MONITORING DATA

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

CHP:		BSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	63.9	62.5
SEPT'24	27.09.2024	64.9	63.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		75	70

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	42.7	41.8
SEPT'24	27.09.2024	44.8	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

SAM OFFICE-DHOPTALA SUB AREA BND0A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
13.09.2024	14.09.2024	282	176	58	22	12	Cloudy Sky / Light Breeze
28.09.2024	29.09.2024	245	156	42	16	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE-DHOPTALA OC BND0A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
13.09.2024	14.09.2024	296	182	60	20	16	Cloudy Sky / Light Breeze
28.09.2024	29.09.2024	276	168	54	18	10	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SASTI COLONY BSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
03.09.2024	04.09.2024	82	32	11	BDL	Cloudy Sky / Light Breeze	
04.09.2024	05.09.2024	86	38	12	BDL	Rainy Sky / Light Breeze	
10.09.2024	11.09.2024	76	42	14	BDL	Cloudy Sky / Light Breeze	
11.09.2024	12.09.2024	84	40	14	BDL	Rainy Sky / Light Breeze	
18.09.2024	19.09.2024	82	38	13	BDL	Cloudy Sky / Light Breeze	
19.09.2024	20.09.2024	76	34	12	BDL	Cloudy Sky / Light Breeze	
25.09.2024	26.09.2024	78	30	10	BDL	Cloudy Sky / Light Breeze	
26.09.2024	27.09.2024	84	40	15	BDL	Rainy Sky / Light Breeze	
NAAQS, 2009		100	60	80	80		

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	No ₂	So ₂		
03.09.2024	04.09.2024	56	32	14	BDL	Cloudy Sky / Light Breeze	
04.09.2024	05.09.2024	45	16	12	BDL	Rainy Sky / Light Breeze	
10.09.2024	11.09.2024	53	18	12	BDL	Cloudy Sky / Light Breeze	
11.09.2024	12.09.2024	60	30	11	BDL	Rainy Sky / Light Breeze	
18.09.2024	19.09.2024	56	26	10	BDL	Cloudy Sky / Light Breeze	
19.09.2024	20.09.2024	64	28	12	BDL	Cloudy Sky / Light Breeze	
25.09.2024	26.09.2024	60	32	9	BDL	Cloudy Sky / Light Breeze	
26.09.2024	27.09.2024	58	30	8	BDL	Rainy Sky / Light Breeze	
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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

SASTI COLONY: BSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	43.5	42.6
SEPT'24	27.09.2024	43.6	42.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

BHATADI OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/31	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2: IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/24 TO 15/10/24

BHATADI SECURITY POST CBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08.09.2024	09.09.2024	393	189	48	33	24	Rainy sky/Calm
23.09.2024	24.09.2024	440	217	58	41	32	Cloudy Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI MANAGER OFFICE CBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08.09.2024	09.09.2024	370	182	45	32	24	Rainy sky/Calm
23.09.2024	24.09.2024	410	202	56	38	29	Cloudy Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI VILLAGE CBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05.09.2024	06.09.2024	76	25	28	21		Clear Sky/calm
06.09.2024	07.09.2024	70	22	25	16		Rainy Sky/Calm
11.09.2024	12.09.2024	81	27	30	20		Clear Sky/calm
12.09.2024	13.09.2024	85	24	24	17		Clear Sky/calm
20.09.2024	21.09.2024	92	38	33	26		Rainy Sky/Calm
21.09.2024	22.09.2024	83	32	28	22		Clear Sky/calm
26.09.2024	27.09.2024	87	33	32	23		Clear Sky/calm
27.09.2024	28.09.2024	90	36	30	25		Clear Sky/calm
29.09.2024	30.09.2024	89	35	30	22		Clear Sky/calm
NAAQS, 2009		100	60	80	80		

VADHOLI VILLAGE CBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05.09.2024	06.09.2024	81	24	25	16		Clear Sky/calm
06.09.2024	07.09.2024	71	20	19	11		Rainy Sky/Calm
11.09.2024	12.09.2024	78	21	23	13		Clear Sky/calm
12.09.2024	13.09.2024	87	29	28	19		Clear Sky/calm
20.09.2024	21.09.2024	74	22	18	12		Rainy Sky/Calm
21.09.2024	22.09.2024	85	30	23	15		Clear Sky/calm
26.09.2024	27.09.2024	89	33	33	22		Clear Sky/calm
27.09.2024	28.09.2024	86	31	31	25		Clear Sky/calm
29.09.2024	30.09.2024	90	34	30	20		Clear Sky/calm
NAAQS, 2009		100	60	80	80		

BHATADI COLONY CBOA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
05.09.2024	06.09.2024	78	24	25	13		Clear Sky/calm
06.09.2024	07.09.2024	72	21	19	11		Rainy Sky/Calm
11.09.2024	12.09.2024	80	28	24	12		Clear Sky/calm
12.09.2024	13.09.2024	84	31	26	15		Clear Sky/calm
20.09.2024	21.09.2024	75	22	20	12		Rainy Sky/Calm
21.09.2024	22.09.2024	86	33	28	20		Clear Sky/calm
26.09.2024	27.09.2024	94	39	35	25		Clear Sky/calm
27.09.2024	28.09.2024	90	37	33	26		Clear Sky/calm
29.09.2024	30.09.2024	88	32	31	24		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 :	16/09/24 TO 15/10/24

MINE WATER DISCHARGE: CBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.09.2024	7.64	52	56	BDL
24.09.2024	7.48	45	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: CBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.09.2024	7.45	23	28	BDL
26.09.2024	7.64	30	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: CBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
08.09.2024	35	7.8
24.09.2024	26	7.2
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)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	09.09.2024	65.2	64.5
SEPT'24	23.09.2024	67.3	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CBON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	09.09.2024	42.3	41.4
SEPT'24	23.09.2024	43.3	41.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024



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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/SEPT-24/32	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/24 TO 15/10/24

MANAGER OFFICE MAHAKALI UG CMKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.09.2024	11.09.2024	340	168	42	32	26	Cloudy sky/Calm
25.09.2024	26.09.2024	375	182	50	39	32	Rainy Sky/Calm
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	
05.09.2024	06.09.2024	358	172	45	30	21	Rainy sky/Calm
25.09.2024	26.09.2024	384	190	53	34	27	Cloudy Sky/Calm
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	
05.09.2024	06.09.2024	335	167	40	25	15	Rainy sky/Calm
25.09.2024	26.09.2024	366	184	51	30	23	Cloudy Sky/Calm
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		
05.09.2024	06.09.2024	74	24	19	11	Rainy sky/Calm	
25.09.2024	26.09.2024	86	30	23	17	Rainy 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, JUNE-2015
SAMPLING METHOD	LSOP 6

CHP		CCRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	66.2	64.4
SEPT'24	23.09.2024	67.4	65.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MKC)		CCRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	43.3	42.6
SEPT'24	23.09.2024	43.2	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024



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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/SEPT-24/33	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/24 TO 15/10/24

PIT OFFICE-DRC- III UG/CDRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.09.2024	07.09.2024	346	164	40	23	18	Rainy sky/Calm
21.09.2024	22.09.2024	372	195	53	29	23	Cloudy Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE DRC-IV/CDRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.09.2024	07.09.2024	336	175	41	25	20	Rainy sky/Calm
21.09.2024	22.09.2024	369	188	55	31	24	Cloudy Sky/Calm
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		
05.09.2024	06.09.2024	74	22	21	12		Rainy sky/Calm
20.09.2024	21.09.2024	86	29	25	20		Cloudy Sky/Calm
NAAQS, 2009		100	60	80	80		

NEHRU NAGAR/CDRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05.09.2024	06.09.2024	81	28	23	19		Rainy sky/Calm
20.09.2024	21.09.2024	91	35	32	22		Cloudy 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 :	16/09/24 TO 15/10/24

MINE WATER DISCHARGE: CDRUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.09.2024	7.69	50	52	BDL
21.09.2024	7.45	42	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, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: CDRUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	68.2	67.5
SEPT'24	23.09.2024	68.4	67.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY: CDRUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	43.2	42.4
SEPT'24	23.09.2024	42.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

DURGAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/34	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/24 TO 15/10/24

MANAGER OFFICE-SECTOR V CDOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
06.09.2024	07.09.2024	366	172	50	39	24
21.09.2024	22.09.2024	398	198	58	45	31
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05.09.2024	06.09.2024	80	26	21	16	Clear Sky/calm
06.09.2024	07.09.2024	75	31	22	13	Rainy Sky/Calm
11.09.2024	12.09.2024	77	28	24	17	Clear Sky/calm
12.09.2024	13.09.2024	82	30	23	19	Clear Sky/calm
20.09.2024	21.09.2024	74	27	20	15	Rainy Sky/Calm
21.09.2024	22.09.2024	85	32	28	20	Clear Sky/calm
26.09.2024	27.09.2024	90	38	33	22	Clear Sky/calm
27.09.2024	28.09.2024	87	36	30	17	Clear Sky/calm
29.09.2024	30.09.2024	82	33	27	21	Clear Sky/calm
NAAQS, 2009		83	60	80	80	

MANAGER OFFICE Q-IV CDOA3 (Durgapur OC)						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
07.09.2024	08.09.2024	357	182	42	37	22
22.09.2024	23.09.2024	385	191	56	41	29
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05.09.2024	06.09.2024	83	33	25	16	Clear Sky/calm
06.09.2024	07.09.2024	78	27	22	13	Rainy Sky/Calm
11.09.2024	12.09.2024	81	28	28	21	Clear Sky/calm
12.09.2024	13.09.2024	87	37	30	24	Clear Sky/calm
20.09.2024	21.09.2024	79	29	24	15	Rainy Sky/Calm
21.09.2024	22.09.2024	89	39	33	26	Clear Sky/calm
26.09.2024	27.09.2024	93	41	35	28	Clear Sky/calm
27.09.2024	28.09.2024	85	34	30	23	Clear Sky/calm
29.09.2024	30.09.2024	90	37	36	27	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 :	16/09/24 TO 15/10/24

MINE WATER DISCHARGE Q-II CDOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.09.2024	7.81	50	40	BDL
21.09.2024	7.87	41	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE Q-V CDOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.09.2024	3.25	55	56	BDL
21.09.2024	3.18	46	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): CDOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.09.2024	7.98	33	40	BDL
21.09.2024	7.89	29	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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



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

CHP:		CDON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	09.09.2024	66.3	65.5
SEPT'24	23.09.2024	66.5	64.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	09.09.2024	43.2	42.4
SEPT'24	23.09.2024	42.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/37	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/24 TO 15/10/24

SUBSTATION HLC I UG CHUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.09.2024	11.09.2024	390	197	55	36	25	Cloudy sky/Calm
24.09.2024	25.09.2024	363	172	44	28	22	Rainy Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE - HLC-I INCLINE CHUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.09.2024	11.09.2024	392	193	53	39	28	Cloudy sky/Calm
24.09.2024	25.09.2024	375	180	45	31	25	Rainy Sky/Calm
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		
09.09.2024	10.09.2024	72	25	20	12	Rainy sky/Calm	
24.09.2024	25.09.2024	85	28	23	15	Cloudy Sky/Calm	
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		
09.09.2024	10.09.2024	76	25	22	13	Rainy sky/Calm	
24.09.2024	25.09.2024	88	30	27	20	Rainy Sky/Calm	
NAAQS, 2009		100	60	80	80		



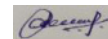
Analysed by

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 :	16/09/24 TO 15/10/24

MINE WATER DISCHARGE(HLP-III): CHUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.09.2024	7.76	52	56	BDL
25.09.2024	7.66	40	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE(HLP-I): CHUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.09.2024	7.48	47	52	BDL
25.09.2024	7.62	38	40	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, 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
SEPT'24	09.09.2024	69.4	68.6
SEPT'24	23.09.2024	67.5	65.5
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
SEPT'24	09.09.2024	42.3	41.4
SEPT'24	23.09.2024	43.3	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/35	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/24 TO 15/10/24

MANAGER OFFICE (NANDGAON UG) CNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.09.2024	12.09.2024	396	181	50	35	27	Cloudy sky/Calm
25.09.2024	26.09.2024	368	158	40	26	20	Rainy Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE(HLP OC) CHOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.09.2024	12.09.2024	421	217	57	38	27	Cloudy sky/Calm
25.09.2024	26.09.2024	398	188	49	33	21	Rainy Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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		
09.09.2024	10.09.2024	71	24	20	12	Rainy sky/Calm	
24.09.2024	25.09.2024	78	29	23	17	Rainy Sky/Calm	
NAAQS, 2009		100	60	80	80		

COLONY (NANDGAON) CNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
05.09.2024	06.09.2024	82	28	22	11	Clear Sky/calm	
06.09.2024	07.09.2024	74	20	18	13	Rainy Sky/Calm	
11.09.2024	12.09.2024	78	25	23	16	Clear Sky/calm	
12.09.2024	13.09.2024	80	29	26	19	Clear Sky/calm	
20.09.2024	21.09.2024	72	21	20	12	Rainy Sky/Calm	
21.09.2024	22.09.2024	89	33	30	21	Clear Sky/calm	
26.09.2024	27.09.2024	85	30	25	19	Clear Sky/calm	
27.09.2024	28.09.2024	91	35	32	25	Clear Sky/calm	
29.09.2024	30.09.2024	87	31	28	23	Clear Sky/calm	
NAAQS, 2009		100	60	80	80		

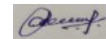


Analysed by

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		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/09/24 TO 15/10/24

MINE WATER DISCHARGE: CHOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.09.2024	3.38	57	60	BDL
24.09.2024	3.59	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 PROTOCOL 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
SEPT'24	09.09.2024	65.3	64.5
SEPT'24	23.09.2024	65.2	64.1
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
SEPT'24	09.09.2024	42.2	41.3
SEPT'24	23.09.2024	44.3	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

MAHAKALI UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

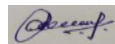
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-24/37		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (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	
				16/09/24 TO 15/10/24	

MANAGER OFFICE MAHAKALI UG CMKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.09.2024	11.09.2024	340	168	42	32	26	Cloudy sky/Calm
25.09.2024	26.09.2024	375	182	50	39	32	Rainy Sky/Calm
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	
05.09.2024	06.09.2024	358	172	45	30	21	Rainy sky/Calm
25.09.2024	26.09.2024	384	190	53	34	27	Cloudy Sky/Calm
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	
05.09.2024	06.09.2024	335	167	40	25	15	Rainy sky/Calm
25.09.2024	26.09.2024	366	184	51	30	23	Cloudy Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

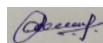
COLONY (MAHAKALI UG) CMKUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05.09.2024	06.09.2024	74	24	19	11	Rainy sky/Calm
25.09.2024	26.09.2024	86	30	23	17	Rainy Sky/Calm
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 :			16/09/24 TO 15/10/24

MINE WATER DISCHARGE: CMKUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.09.2024	7.71	50	52	BDL
25.09.2024	7.83	45	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: CMKUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	69.4	68.5
SEPT'24	23.09.2024	68.3	67.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MAHAKALI): CMKUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	43.3	42.6
SEPT'24	23.09.2024	43.2	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

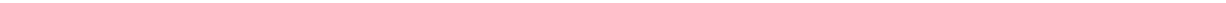


SEPTEMBER 2024



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

AN ISO 9001:2015 COMPANY



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

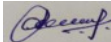
TEST REPORT NO.	RIN/TR/SEPT-24/38	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16/09/24 TO 15/10/24	

MANAGER OFFICE CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.09.2024	11.09.2024	375	193	51	31	23	Cloudy sky/Calm
25.09.2024	26.09.2024	350	170	41	26	17	Rainy Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE CMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.09.2024	11.09.2024	385	196	54	34	27	Cloudy sky/Calm
25.09.2024	26.09.2024	365	175	46	28	21	Rainy Sky/Calm
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		
05.09.2024	06.09.2024	82	28	22	11	Clear Sky/calm	
06.09.2024	07.09.2024	74	20	18	13	Rainy Sky/Calm	
11.09.2024	12.09.2024	78	25	23	16	Clear Sky/calm	
12.09.2024	13.09.2024	80	29	26	19	Clear Sky/calm	
20.09.2024	21.09.2024	72	21	20	12	Rainy Sky/Calm	
21.09.2024	22.09.2024	89	33	30	21	Clear Sky/calm	
26.09.2024	27.09.2024	85	30	25	19	Clear Sky/calm	
27.09.2024	28.09.2024	91	35	32	25	Clear Sky/calm	
29.09.2024	30.09.2024	87	31	28	23	Clear Sky/calm	
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		
09.09.2024	10.09.2024	71	24	20	12	Rainy sky/Calm	
24.09.2024	25.09.2024	78	29	23	17	Rainy Sky/Calm	
		100	60	80	80		

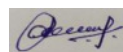


Analysed by

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		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/09/24 TO 15/10/24

MINE WATER DISCHARGE: CMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.09.2024	7.79	45	48	BDL
25.09.2024	7.88	36	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

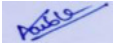
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	-------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE: CMUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	69.2	68.4
SEPT'24	23.09.2024	68.2	67.2
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
SEPT'24	09.09.2024	42.2	41.3
SEPT'24	23.09.2024	44.3	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

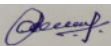
TEST REPORT NO.	RIN/TR/SEPT-24/39	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/24 TO 15/10/24

MANAGER OFFICE NANDGAON UG		CNUA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.09.2024	12.09.2024	396	181	50	35	27	Cloudy sky/Calm
25.09.2024	26.09.2024	368	158	40	26	20	Rainy Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE		CMUA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.09.2024	11.09.2024	385	196	54	34	27	Cloudy sky/Calm
25.09.2024	26.09.2024	365	175	46	28	21	Rainy Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE			CMUA4			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
09.09.2024	10.09.2024	71	24	20	12	Rainy sky/Calm
24.09.2024	25.09.2024	78	29	23	17	Rainy Sky/Calm
NAAQS, 2009		100	60	80	80	

COLONY (NANDGAON)			CNUA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
05.09.2024	06.09.2024	82	28	22	11	Clear Sky/calm
06.09.2024	07.09.2024	74	20	18	13	Rainy Sky/Calm
11.09.2024	12.09.2024	78	25	23	16	Clear Sky/calm
12.09.2024	13.09.2024	80	29	26	19	Clear Sky/calm
20.09.2024	21.09.2024	72	21	20	12	Rainy Sky/Calm
21.09.2024	22.09.2024	89	33	30	21	Clear Sky/calm
26.09.2024	27.09.2024	85	30	25	19	Clear Sky/calm
27.09.2024	28.09.2024	91	35	32	25	Clear Sky/calm
29.09.2024	30.09.2024	87	31	28	23	Clear Sky/calm
NAAQS, 2009		100	60	80	80	

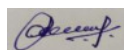


Analysed by

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		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16/09/24 TO 15/10/24

MINE WATER DISCHARGE: CNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.09.2024	7.64	41	48	BDL
24.09.2024	7.76	32	40	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	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	67.9	66.1
SEPT'24	23.09.2024	68.3	67.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP OC:		CHON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	42.2	41.3
SEPT'24	23.09.2024	44.3	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/40	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/09/24 TO 15/10/24

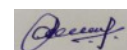
MANAGER OFFICE Q-IV/CPOA1 (Padmapur)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07.09.2024	08.09.2024	373	175	42	29	21	Rainy sky/Calm
22.09.2024	23.09.2024	413	208	56	38	27	Cloudy Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE Q-IV CDOA3 (Durgapur OC)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07.09.2024	08.09.2024	357	182	42	37	22	Rainy sky/Calm
22.09.2024	23.09.2024	385	191	56	41	29	Cloudy Sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

WARWAT VILLAGE CPOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
08.09.2024	09.09.2024	81	21	17	11	Rainy sky/Calm
23.09.2024	24.09.2024	89	30	24	16	Cloudy Sky/Calm
		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	
07.09.2024	08.09.2024	80	22	18	12	Rainy sky/Calm
22.09.2024	23.09.2024	92	32	21	13	Cloudy Sky/Calm
		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	
07.09.2024	08.09.2024	77	26	20	10	Rainy sky/Calm
22.09.2024	23.09.2024	89	31	26	18	Cloudy Sky/Calm
		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 PROTOCOL 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
SEPT'24	09.09.2024	67.2	66.3
SEPT'24	23.09.2024	68.5	66.9
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
SEPT'24	09.09.2024	43.2	42.4
SEPT'24	23.09.2024	42.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/51	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

NMOC SUBSTATION MMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07.09.2024	08.09.2024	380	210	74	22	18	CLEAR / CALM
22.09.2024	23.09.2024	362	180	60	20	16	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PATALA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07.09.2024	08.09.2024	364	184	64	15	10	CLEAR / CALM
22.09.2024	23.09.2024	350	178	56	19	16	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)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01.09.2024	02.09.2024	76	55	15	12	CLEAR/CALM	
02.09.2024	03.09.2024	68	58	17	14	CLEAR/CALM	
08.09.2024	09.09.2024	60	57	16	12	CLEAR/CALM	
09.09.2024	10.09.2024	70	52	17	14	CLEAR/CALM	
16.09.2024	17.09.2024	62	46	12	10	CLEAR/CALM	
17.09.2024	18.09.2024	60	47	15	12	CLEAR/CALM	
23.09.2024	24.09.2024	70	50	18	14	CLEAR/CALM	
24.09.2024	25.09.2024	72	52	15	13	CLOUDY / LIGHT BREEZE	
28.09.2024	29.09.2024	62	46	12	10	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

KUCHANA COLONY MMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01.09.2024	02.09.2024	68	50	14	12	CLEAR/CALM	
02.09.2024	03.09.2024	67	48	16	13	CLEAR/CALM	
08.09.2024	09.09.2024	72	50	18	13	CLEAR/CALM	
09.09.2024	10.09.2024	65	56	14	12	CLEAR/CALM	
16.09.2024	17.09.2024	67	50	16	14	CLEAR/CALM	
17.09.2024	18.09.2024	68	58	14	12	CLEAR/CALM	
23.09.2024	24.09.2024	60	48	14	12	CLEAR/CALM	
24.09.2024	25.09.2024	66	53	17	13	CLOUDY / LIGHT BREEZE	
28.09.2024	29.09.2024	67	51	13	10	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: 16-09-24 TO 15-10-24

MINE WATER DISCHARGE: MMOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.09.2024	7.74	30	52	BDL
26.09.2024	7.75	32	40	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
10.09.2024	7.89	32	28	BDL
26.09.2024	7.58	38	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
10.09.2024	48	13.2
26.09.2024	40	14.4
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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

FIELD MAIN SHED:		MMON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	62.6	61.8
SEPT'24	27.09.2024	62.9	60.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PRIMARY HEALTH CENTER MAJRI BASTI		MMON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	44.5	43.4
SEPT'24	27.09.2024	45.2	44.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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 UG TO OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

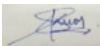
TEST REPORT NO.	RIN/TR/SEPT-24/50	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

PATALA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07.09.2024	08.09.2024	364	184	64	15	10	CLEAR / CALM
22.09.2024	23.09.2024	350	178	56	19	16	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)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07.09.2024	08.09.2024	390	200	60	18	13	CLEAR / CALM
22.09.2024	23.09.2024	356	180	59	18	14	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)
		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07.09.2024	08.09.2024	378	182	58	15	12	CLEAR / CALM
22.09.2024	23.09.2024	347	170	58	20	16	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)	
		PM ₁₀	PM _{2.5}	No ₂	So ₂		
FROM	TO	5	2	6	10		
01.09.2024	02.09.2024	66	50	17	14	CLEAR/ CALM	
02.09.2024	03.09.2024	62	58	12	10	CLEAR/ CALM	
08.09.2024	09.09.2024	70	53	14	12	CLEAR/ CALM	
09.09.2024	10.09.2024	60	48	12	10	CLEAR/ CALM	
16.09.2024	17.09.2024	60	50	15	13	CLEAR/ CALM	
17.09.2024	18.09.2024	64	56	14	12	CLEAR/ CALM	
23.09.2024	24.09.2024	60	48	13	10	CLEAR/ CALM	
24.09.2024	25.09.2024	62	51	12	10	CLOUDY/ LIGHT BREEZE	
28.09.2024	29.09.2024	68	54	15	12	CLEAR/ CALM	
NAAQS, 2009		100	60	80	80		



Analysed by

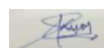
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: MMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.09.2024	7.80	36	48	BDL
26.09.2024	7.60	28	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: MMUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.09.2024	7.98	28	52	BDL
26.09.2024	7.60	30	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
10.09.2024	36	11.4
26.09.2024	34	10.2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



Analysed by

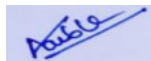
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

PIT OFFICE:		MMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	12.09.2024	59.3	58.1
SEPT'24	27.09.2024	58.1	57.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

KUCHNA COLONY		MMON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	12.09.2024	43.2	42.1
SEPT'24	27.09.2024	44.1	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/52	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

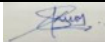
PIT OFFICE MYOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07.09.2024	08.09.2024	398	220	70	20	16	CLEAR / CALM
22.09.2024	23.09.2024	379	206	76	22	18	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300		120	120	

PENZURNI VILLAGE		MYOA2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01.09.2024	02.09.2024	72	54	16	10	CLEAR / CALM
02.09.2024	03.09.2024	73	50	16	14	CLEAR / CALM
08.09.2024	09.09.2024	67	46	18	14	CLEAR / CALM
09.09.2024	10.09.2024	70	52	14	12	CLEAR / CALM
16.09.2024	17.09.2024	60	53	14	11	CLEAR / CALM
17.09.2024	18.09.2024	65	45	18	14	CLEAR / CALM
23.09.2024	24.09.2024	74	57	16	13	CLEAR / CALM
24.09.2024	25.09.2024	66	50	15	13	CLOUDY / LIGHT BREEZE
28.09.2024	29.09.2024	67	56	16	14	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

DANDGAON VILLAGE MYOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01.09.2024	02.09.2024	74	60	16	14	CLEAR / CALM
02.09.2024	03.09.2024	70	56	20	16	CLEAR / CALM
08.09.2024	09.09.2024	64	50	17	14	CLEAR / CALM
09.09.2024	10.09.2024	68	57	15	11	CLEAR / CALM
16.09.2024	17.09.2024	60	45	14	12	CLEAR / CALM
17.09.2024	18.09.2024	72	54	20	16	CLEAR / CALM
23.09.2024	24.09.2024	69	53	14	12	CLEAR / CALM
24.09.2024	25.09.2024	70	56	14	10	CLOUDY / LIGHT BREEZE
28.09.2024	29.09.2024	60	50	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	
01.09.2024	02.09.2024	70	51	14	12	CLEAR / CALM
02.09.2024	03.09.2024	74	56	20	16	CLEAR / CALM
08.09.2024	09.09.2024	60	57	17	13	CLEAR / CALM
09.09.2024	10.09.2024	72	52	18	14	CLEAR / CALM
16.09.2024	17.09.2024	65	56	17	14	CLEAR / CALM
17.09.2024	18.09.2024	60	54	15	13	CLEAR / CALM
23.09.2024	24.09.2024	64	56	16	14	CLEAR / CALM
24.09.2024	25.09.2024	60	59	18	13	CLOUDY / LIGHT BREEZE
28.09.2024	29.09.2024	76	57	16	12	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

CONTRACTOR CAMP				MYOA6			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS		24 hourly values in $\mu\text{g}/\text{m}^3$)			ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12.09.2024	13.09.2024	410	226	76	24	20	CLEAR / CALM
27.09.2024	28.09.2024	380	214	68	21	14	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	60	120	120	



Analysed by

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

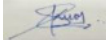
SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES: 16-09-24 TO 15-10-24

MINE WATER DISCHARGE: YEKONA I OC : MYOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.09.2024	8.00	48	32	BDL
24.09.2024	8.10	40	48	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
09.09.2024	8.10	40	36	BDL
24.09.2024	7.88	46	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP : MYOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.09.2024	8.00	32	40	BDL
24.09.2024	7.84	54	32	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	
10.09.2024	56		9.0	
24.09.2024	50		10.8	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100		30	



Analysed by

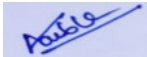
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

PIT OFFICE		MYON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	56.5	55.2
SEPT'24	27.09.2024	56.4	55.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

YEKONA VILLAGE		MYON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	43.3	42.2
SEPT'24	27.09.2024	44.8	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/1	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

PROJECT MANAGER OFFICE NAUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
01.09.2024	02.09.2024	353	203	60	33	18	CLOUDY / LIGHT BREEZE
27.09.2024	28.09.2024	360	207	62	35	19	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE NAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02.09.2024	03.09.2024	76	41	27	BDL		CLOUDY / LIGHT BREEZE
03.09.2024	04.09.2024	77	42	26	BDL		CLOUDY / LIGHT BREEZE
09.09.2024	10.09.2024	73	40	22	BDL		CLOUDY / LIGHT BREEZE
10.09.2024	11.09.2024	72	42	28	BDL		CLOUDY / LIGHT BREEZE
16.09.2024	17.09.2024	80	46	29	BDL		CLOUDY / LIGHT BREEZE
17.09.2024	18.09.2024	81	44	28	BDL		CLOUDY / LIGHT BREEZE
23.09.2024	24.09.2024	77	43	24	BDL		CLOUDY / LIGHT BREEZE
24.09.2024	25.09.2024	76	41	27	BDL		CLOUDY / LIGHT BREEZE
28.09.2024	29.09.2024	77	38	23	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01.09.2024	02.09.2024	74	39	24	BDL		CLOUDY / LIGHT BREEZE
16.09.2024	17.09.2024	78	41	26	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01.09.2024	02.09.2024	75	40	25	BDL		CLOUDY / LIGHT BREEZE
16.09.2024	17.09.2024	79	42	27	BDL		CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

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	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-09-24 TO 15-10-24

MINE WATER DISCHARGE: NBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
01.09.2024	7.83	18	24	BDL
27.09.2024	7.31	28	40	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, SEPT-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: NAUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	54.4	52.8
SEPT'24	24.09.2024	53.1	51.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (SAONER): NSNUN4		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	44.4	42.8
SEPT'24	24.09.2024	43.1	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

KOTODI VILLAGE NAUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	43.5	41.7
SEPT'24	24.09.2024	44.5	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

PATHAKAKHEDI GP OFFICE NAUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	43.7	42.1
SEPT'24	24.09.2024	42.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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
Amalgamation of Kamptee Deep & Inder OC
NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

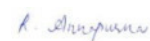
NEAR PIT NO.6 / MANAGER OFFICE NIOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06.09.2024	07.09.2024	372	201	56	38	18	CLOUDY/LIGHT BREEZE
20.09.2024	21.09.2024	379	205	58	40	21	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CMPDI TEKADI STORE NIOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07.09.2024	08.09.2024	359	200	55	37	16	CLOUDY/LIGHT BREEZE
21.09.2024	22.09.2024	366	204	57	39	21	RAINY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06.09.2024	07.09.2024	361	216	63	33	17	CLOUDY/LIGHT BREEZE
20.09.2024	21.09.2024	368	220	65	35	20	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JUNI KAMTEE VILLAGE NKCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04.09.2024	05.09.2024	73	36	24	BDL		CLOUDY/LIGHT BREEZE
05.09.2024	06.09.2024	74	37	25	BDL		CLOUDY/LIGHT BREEZE
11.09.2024	12.09.2024	75	38	26	BDL		CLOUDY/LIGHT BREEZE
12.09.2024	13.09.2024	76	39	27	BDL		CLOUDY/LIGHT BREEZE
18.09.2024	19.09.2024	77	38	26	BDL		CLOUDY/LIGHT BREEZE
19.09.2024	20.09.2024	78	39	27	BDL		CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	79	40	28	BDL		CLOUDY/LIGHT BREEZE
27.09.2024	28.09.2024	80	41	29	BDL		CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	79	40	26	BDL		CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

G.P. OFFICE KANDRI VILLAGE NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04.09.2024	05.09.2024	77	38	24	BDL		CLOUDY/LIGHT BREEZE
05.09.2024	06.09.2024	77	39	25	BDL		CLOUDY/LIGHT BREEZE
11.09.2024	12.09.2024	78	36	26	BDL		CLOUDY/LIGHT BREEZE
12.09.2024	13.09.2024	72	35	23	BDL		CLOUDY/LIGHT BREEZE
18.09.2024	19.09.2024	81	40	26	BDL		CLOUDY/LIGHT BREEZE
19.09.2024	20.09.2024	81	41	27	BDL		CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	82	38	28	BDL		CLOUDY/LIGHT BREEZE
27.09.2024	28.09.2024	76	37	25	BDL		CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	78	41	25	BDL		CLOUDY/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 : 16-09-24 TO 15-10-24

MINE DISCHARGE: NIOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.09.2024	7.88	18	24	BDL
20.09.2024	7.35	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: NIOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.09.2024	7.76	42	60	BDL
20.09.2024	7.63	40	56	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 PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

RC OFFICE: NION1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	54.4	52.7
SEPT'24	24.09.2024	53.4	52.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CHP NKCNI		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	67.4	65.8
SEPT'24	24.09.2024	66.6	65.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY KAMTEE NKCNI		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	43.4	42.4
SEPT'24	24.09.2024	42.3	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMTEE VILLAGE NKCNI		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	42.2	41.1
SEPT'24	24.09.2024	44.1	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/2	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-24 TO 15-10-24	

NEAR MANAGER OFFICE NBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.09.2024	08.09.2024	350	200	59	32	19	CLOUDY / LIGHT BREEZE
21.09.2024	22.09.2024	357	204	61	34	20	RAINY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BINA SANGAM TEMPLE NBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02.09.2024	03.09.2024	73	40	24	BDL	CLOUDY / LIGHT BREEZE	
03.09.2024	04.09.2024	71	40	26	BDL	CLOUDY / LIGHT BREEZE	
09.09.2024	10.09.2024	73	41	24	BDL	CLOUDY / LIGHT BREEZE	
10.09.2024	11.09.2024	71	43	26	BDL	CLOUDY / LIGHT BREEZE	
16.09.2024	17.09.2024	77	42	26	BDL	CLOUDY / LIGHT BREEZE	
17.09.2024	18.09.2024	75	45	28	BDL	CLOUDY / LIGHT BREEZE	
23.09.2024	24.09.2024	77	43	26	BDL	CLOUDY / LIGHT BREEZE	
24.09.2024	25.09.2024	75	45	28	BDL	CLOUDY / LIGHT BREEZE	
28.09.2024	29.09.2024	78	39	24	BDL	CLOUDY / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

BINA VILLAGE NBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02.09.2024	03.09.2024	70	41	24	BDL	CLOUDY / LIGHT BREEZE	
03.09.2024	04.09.2024	66	40	26	BDL	CLOUDY / LIGHT BREEZE	
09.09.2024	10.09.2024	71	39	26	BDL	CLOUDY / LIGHT BREEZE	
10.09.2024	11.09.2024	78	36	23	BDL	CLOUDY / LIGHT BREEZE	
16.09.2024	17.09.2024	74	43	26	BDL	CLOUDY / LIGHT BREEZE	
17.09.2024	18.09.2024	70	46	28	BDL	CLOUDY / LIGHT BREEZE	
23.09.2024	24.09.2024	75	41	28	BDL	CLOUDY / LIGHT BREEZE	
24.09.2024	25.09.2024	82	38	25	BDL	CLOUDY / LIGHT BREEZE	
28.09.2024	29.09.2024	79	38	22	BDL	CLOUDY / LIGHT BREEZE	
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		
02.09.2024	03.09.2024	78	40	25	BDL	CLOUDY / LIGHT BREEZE	
03.09.2024	04.09.2024	75	38	23	BDL	CLOUDY / LIGHT BREEZE	
09.09.2024	10.09.2024	80	42	26	BDL	CLOUDY / LIGHT BREEZE	
10.09.2024	11.09.2024	77	40	25	BDL	CLOUDY / LIGHT BREEZE	
16.09.2024	17.09.2024	81	41	27	BDL	CLOUDY / LIGHT BREEZE	
17.09.2024	18.09.2024	79	40	24	BDL	CLOUDY / LIGHT BREEZE	
23.09.2024	24.09.2024	80	41	26	BDL	CLOUDY / LIGHT BREEZE	
24.09.2024	25.09.2024	82	44	29	BDL	CLOUDY / LIGHT BREEZE	
28.09.2024	29.09.2024	78	38	25	BDL	CLOUDY / 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 :	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: NBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.09.2024	7.84	42	60	BDL
21.09.2024	7.47	38	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

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

NOISE LEVEL MONITORING DATA

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

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	10.09.2024	53.3	51.4
SEPT'24	24.09.2024	53.2	52.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BINA VILLAGE		NBON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	10.09.2024	42.2	41.1
SEPT'24	24.09.2024	43.1	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DORLI VILLAGE		NSON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	10.09.2024	43.7	42.2
SEPT'24	24.09.2024	43.4	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

SOHALI VILLAGE:		NSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	10.09.2024	44.1	42.9
SEPT'24	24.09.2024	45.1	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

DUMRI RAILWAY SIDING

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024



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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/SEPT-24/5	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

DUMRI KHURD NDRSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.09.2024	08.09.2024	346	220	61	32	18	CLOUDY/LIGHT BREEZE
21.09.2024	22.09.2024	353	224	63	34	19	RAINY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NANDGAON VILLAGE NDRSA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04.09.2024	05.09.2024	79	44	26	BDL	CLOUDY/LIGHT BREEZE	
05.09.2024	06.09.2024	74	41	27	BDL	CLOUDY/LIGHT BREEZE	
11.09.2024	12.09.2024	77	42	24	BDL	CLOUDY/LIGHT BREEZE	
12.09.2024	13.09.2024	74	36	24	BDL	CLOUDY/LIGHT BREEZE	
18.09.2024	19.09.2024	83	42	28	BDL	CLOUDY/LIGHT BREEZE	
19.09.2024	20.09.2024	78	43	30	BDL	CLOUDY/LIGHT BREEZE	
26.09.2024	27.09.2024	82	44	30	BDL	CLOUDY/LIGHT BREEZE	
27.09.2024	28.09.2024	78	38	26	BDL	CLOUDY/LIGHT BREEZE	
29.09.2024	30.09.2024	80	39	25	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

KERDI VILLAGE			NDRSA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04.09.2024	05.09.2024	75	37	25	BDL	CLOUDY/LIGHT BREEZE
05.09.2024	06.09.2024	80	40	23	BDL	CLOUDY/LIGHT BREEZE
11.09.2024	12.09.2024	74	39	27	BDL	CLOUDY/LIGHT BREEZE
12.09.2024	13.09.2024	72	36	22	BDL	CLOUDY/LIGHT BREEZE
18.09.2024	19.09.2024	79	39	27	BDL	CLOUDY/LIGHT BREEZE
19.09.2024	20.09.2024	77	40	26	BDL	CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	74	38	29	BDL	CLOUDY/LIGHT BREEZE
27.09.2024	28.09.2024	79	42	25	BDL	CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	81	39	22	BDL	CLOUDY/LIGHT BREEZE
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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

STATION MANAGER OFFICE NKC1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	54.6	52.9
SEPT'24	24.09.2024	52.5	51.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

NANDGAON VILLAGE NKC2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	44.4	43.2
SEPT'24	24.09.2024	43.1	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

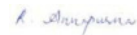
TEST REPORT NO.	RIN/TR/SEPT-24/3	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

NEAR SUBSTATION / SAM OFFICE NGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06.09.2024	07.09.2024	365	193	53	37	16	CLOUDY/LIGHT BREEZE
20.09.2024	21.09.2024	372	197	55	39	20	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GONDEGAON VILLAGE SCHOOL NGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04.09.2024	05.09.2024	70	36	26	BDL	
05.09.2024	06.09.2024	72	34	22	BDL	
11.09.2024	12.09.2024	74	38	28	BDL	
12.09.2024	13.09.2024	79	42	23	BDL	
18.09.2024	19.09.2024	74	38	28	BDL	
19.09.2024	20.09.2024	76	39	26	BDL	
26.09.2024	27.09.2024	78	40	30	BDL	
27.09.2024	28.09.2024	83	43	28	BDL	
29.09.2024	30.09.2024	81	40	26	BDL	
NAAQS, 2009		100	60	80	80	

COLONY GUEST HOUSE/FILTER PLANT NGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
06.09.2024	07.09.2024	356	197	54	38	17
20.09.2024	21.09.2024	363	201	56	40	21
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

GHATROHNA VILLAGE NGOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04.09.2024	05.09.2024	68	33	24	BDL	CLOUDY/LIGHT BREEZE
05.09.2024	06.09.2024	79	38	28	BDL	CLOUDY/LIGHT BREEZE
11.09.2024	12.09.2024	67	34	26	BDL	CLOUDY/LIGHT BREEZE
12.09.2024	13.09.2024	68	35	22	BDL	CLOUDY/LIGHT BREEZE
18.09.2024	19.09.2024	72	39	26	BDL	CLOUDY/LIGHT BREEZE
19.09.2024	20.09.2024	83	40	24	BDL	CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	71	41	28	BDL	CLOUDY/LIGHT BREEZE
27.09.2024	28.09.2024	72	37	27	BDL	CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	80	39	25	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



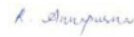
Analysed by

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 : 16-09-24 TO 15-10-24

MINE WATER DISCHARGE NGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.09.2024	7.83	28	40	BDL
20.09.2024	7.54	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE NGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.09.2024	7.75	22	36	BDL
20.09.2024	7.82	38	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

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

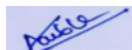
NOISE LEVEL MONITORING DATA

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

CHP		NGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	10.09.2024	66.6	65.1
SEPT'24	24.09.2024	66.2	64.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GONDEGAON VILLAGE/COLONY		NGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	10.09.2024	43.3	41.8
SEPT'24	24.09.2024	43.2	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

JUNI KAMPTEE VILLAGE:		NKN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	10.09.2024	42.2	41.1
SEPT'24	24.09.2024	44.1	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/6	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-24 TO 15-10-24	

COLLIERY MANAGER OFFICE NPTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01.09.2024	02.09.2024	358	200	57	33	18	CLOUDY / LIGHT BREEZE
29.09.2024	30.09.2024	365	204	59	35	19	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SADBHAVAN NAGAR (FILTER PLANT) NPTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01.09.2024	02.09.2024	73	44	22	BDL	CLOUDY /CALM	
29.09.2024	30.09.2024	77	46	24	BDL	CLOUDY /CALM	
NAAQS, 2009		100	60	80	80		

NEAR LCH QR. NPTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01.09.2024	02.09.2024	74	42	25	BDL	CLOUDY /CALM	
29.09.2024	30.09.2024	78	44	27	BDL	CLOUDY /CALM	
NAAQS, 2009		100	60	80	80		

SAVARMENDHA /TANDULWADI VILLAGE. NPTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01.09.2024	02.09.2024	73	40	24	BDL	CLOUDY /CALM	
29.09.2024	30.09.2024	77	42	26	BDL	CLOUDY /CALM	
NAAQS, 2009		100	60	80	80		

A. 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-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-09-24 TO 15-10-24

MINE DISCHARGE: NPTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
01.09.2024	8.42	26	40	BDL
27.09.2024	7.64	30	40	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	
---	--------------------	---

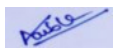
NOISE LEVEL MONITORING DATA

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

FAN HOUSE		NPTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	67.7	66.8
SEPT'24	24.09.2024	70.1	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SADBHAVNA NAGAR FILTER PLANT		NPTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	48.2	46.4
SEPT'24	24.09.2024	48.5	47.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

SAVARMENDHA VILLAGE		NPTUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	43.3	41.9
SEPT'24	24.09.2024	43.2	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

SAONER UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/8	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

C.M OFFICE-SAONER-I UG NSNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01.09.2024	02.09.2024	356	205	57	31	18	CLOUDY / LIGHT BREEZE
16.09.2024	17.09.2024	363	209	59	33	17	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

C.M OFFICE-SAONER-II UG NSNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01.09.2024	02.09.2024	350	203	55	31	17	CLOUDY / LIGHT BREEZE
16.09.2024	17.09.2024	357	207	57	33	18	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01.09.2024	02.09.2024	74	39	24	BDL		CLOUDY / LIGHT BREEZE
16.09.2024	17.09.2024	78	41	26	BDL		CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01.09.2024	02.09.2024	75	40	25	BDL		CLOUDY / LIGHT BREEZE
16.09.2024	17.09.2024	79	42	27	BDL		CLOUDY / 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 : 16-09-24 TO 15-10-24

MINE WATER DISCHARGE I UG: NSNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
01.09.2024	7.77	18	24	BDL
17.09.2024	7.22	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE II UG: NSNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
01.09.2024	7.82	18	28	BDL
17.09.2024	7.48	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE III UG: NSNUW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
01.09.2024	7.51	20	32	BDL
17.09.2024	7.35	28	40	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, SEPT-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE-I: NSNUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	68.4	66.9
SEPT'24	24.09.2024	68.3	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-II: NSNUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	68.9	67.4
SEPT'24	24.09.2024	69.4	67.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-III: NSNUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	69.1	67.3
SEPT'24	24.09.2024	67.6	65.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: NSNUN4		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	44.4	42.8
SEPT'24	24.09.2024	43.1	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024



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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/SEPT-24/9	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

WATER FILTER FLANT NSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.09.2024	09.09.2024	362	212	59	32	20	CLOUDY/LIGHT BREEZE
22.09.2024	23.09.2024	369	216	61	34	21	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

V.T.C. SILEWARA NSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.09.2024	09.09.2024	368	214	60	34	18	CLOUDY/LIGHT BREEZE
22.09.2024	23.09.2024	375	218	62	36	20	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANDIR NEAR KANHAN RIVER NSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
08.09.2024	09.09.2024	75	40	26	BDL	CLOUDY/LIGHT BREEZE	
22.09.2024	23.09.2024	79	42	28	BDL	CLOUDY/LIGHT BREEZE	
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		
08.09.2024	09.09.2024	74	39	25	BDL	CLOUDY/LIGHT BREEZE	
22.09.2024	23.09.2024	78	41	27	BDL	CLOUDY/LIGHT BREEZE	
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 :	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: NSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.09.2024	7.51	22	32	BDL
22.09.2024	7.04	42	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

R. Annapurna

Analysed by

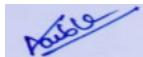
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE: NSUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	68.8	67.1
SEPT'24	24.09.2024	69.5	67.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SILEWARA): NSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	43.1	42.3
SEPT'24	24.09.2024	43.3	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024



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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/SEPT-24/10	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MANAGER OFFICE NSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.09.2024	08.09.2024	364	205	60	35	20	CLOUDY / CALM
21.09.2024	22.09.2024	371	209	62	37	21	RAINY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SOHALI VILLAGE NSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02.09.2024	03.09.2024	76	38	25	BDL	CLOUDY / LIGHT BREEZE	
03.09.2024	04.09.2024	74	39	26	BDL	CLOUDY / LIGHT BREEZE	
09.09.2024	10.09.2024	77	36	24	BDL	CLOUDY / LIGHT BREEZE	
10.09.2024	11.09.2024	78	39	28	BDL	CLOUDY / LIGHT BREEZE	
16.09.2024	17.09.2024	80	44	26	BDL	CLOUDY / LIGHT BREEZE	
17.09.2024	18.09.2024	78	41	28	BDL	CLOUDY / LIGHT BREEZE	
23.09.2024	24.09.2024	81	38	22	BDL	CLOUDY / LIGHT BREEZE	
24.09.2024	25.09.2024	82	41	27	BDL	CLOUDY / LIGHT BREEZE	
28.09.2024	29.09.2024	79	40	24	BDL	CLOUDY / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

HINGNA VILLAGE NSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02.09.2024	03.09.2024	78	41	26	BDL	CLOUDY / LIGHT BREEZE	
03.09.2024	04.09.2024	73	35	22	BDL	CLOUDY / LIGHT BREEZE	
09.09.2024	10.09.2024	80	42	25	BDL	CLOUDY / LIGHT BREEZE	
10.09.2024	11.09.2024	75	37	24	BDL	CLOUDY / LIGHT BREEZE	
16.09.2024	17.09.2024	82	43	28	BDL	CLOUDY / LIGHT BREEZE	
17.09.2024	18.09.2024	77	37	24	BDL	CLOUDY / LIGHT BREEZE	
23.09.2024	24.09.2024	81	40	22	BDL	CLOUDY / LIGHT BREEZE	
24.09.2024	25.09.2024	79	39	26	BDL	CLOUDY / LIGHT BREEZE	
28.09.2024	29.09.2024	84	43	28	BDL	CLOUDY / LIGHT BREEZE	
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		
02.09.2024	03.09.2024	78	40	25	BDL	CLOUDY / LIGHT BREEZE	
03.09.2024	04.09.2024	75	38	23	BDL	CLOUDY / LIGHT BREEZE	
09.09.2024	10.09.2024	80	42	26	BDL	CLOUDY / LIGHT BREEZE	
10.09.2024	11.09.2024	77	40	25	BDL	CLOUDY / LIGHT BREEZE	
16.09.2024	17.09.2024	81	41	27	BDL	CLOUDY / LIGHT BREEZE	
17.09.2024	18.09.2024	79	40	24	BDL	CLOUDY / LIGHT BREEZE	
23.09.2024	24.09.2024	80	41	26	BDL	CLOUDY / LIGHT BREEZE	
24.09.2024	25.09.2024	82	44	29	BDL	CLOUDY / LIGHT BREEZE	
28.09.2024	29.09.2024	78	38	25	BDL	CLOUDY / 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 : 16-09-24 TO 15-10-24

MINE WATER DISCHARGE: NSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.09.2024	7.71	34	48	BDL
21.09.2024	7.36	26	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	
---	--------------------	--

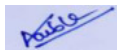
NOISE LEVEL MONITORING DATA

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

CONTRACTOR CAMP: NSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	54.2	52.7
SEPT'24	24.09.2024	54.1	53.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SOHALI VILLAGE: NSON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	44.1	42.9
SEPT'24	24.09.2024	45.1	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DORLI VILLAGE: NSON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	43.7	42.2
SEPT'24	24.09.2024	43.4	42.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

WAGHODA - UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/7	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MANAGER OFFICE NWUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
01.09.2024	02.09.2024	366	207	60	36	16	CLOUDY / LIGHT BREEZE
27.09.2024	28.09.2024	373	211	62	38	18	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
		5	2	6	10		
01.09.2024	02.09.2024	74	39	24	BDL		CLOUDY / LIGHT BREEZE
16.09.2024	17.09.2024	78	41	26	BDL		CLOUDY / 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 : 16-09-24 TO 15-10-24

MINE WATER DISCHARGE: NWUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
01.09.2024	7.80	18	24	BDL
27.09.2024	7.28	28	40	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 PROTOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE NWUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	53.5	51.7
SEPT'24	24.09.2024	54.2	53.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

TRANSIT HOTEL NWUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10.09.2024	46.6	44.8
SEPT'24	24.09.2024	45.3	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/17	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

ACC PATCH NEAR ACC COLONY WGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.09.2024	07.09.2024	294	197	59	20	12	CLEAR / LIGHT BREEZE
21.09.2024	22.09.2024	337	226	64	23	14	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH SEPTEMBER 2000		600	300	-	120	120	

SAM OFFICE WGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.09.2024	07.09.2024	289	211	61	20	BDL	CLEAR / LIGHT BREEZE
21.09.2024	22.09.2024	341	338	64	22	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH SEPTEMBER 2000		600	300	-	120	120	

RAM NAGAR COLONY WGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01.09.2024	02.09.2024	77	31	13	BDL		CLOUDY / LIGHT BREEZE
02.09.2024	03.09.2024	79	33	14	BDL		CLOUDY / LIGHT BREEZE
08.09.2024	09.09.2024	84	38	16	BDL		CLOUDY / LIGHT BREEZE
09.09.2024	10.09.2024	86	41	14	BDL		CLOUDY / LIGHT BREEZE
16.09.2024	17.09.2024	90	37	17	BDL		CLEAR / CALM
17.09.2024	18.09.2024	86	39	13	BDL		CLEAR / CALM
23.09.2024	24.09.2024	87	34	16	BDL		CLEAR / CALM
24.09.2024	25.09.2024	72	30	14	BDL		RAINY / LIGHT BREEZE
28.09.2024	29.09.2024	83	34	14	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		

GHUGUS VILLAGE (GP OFFICE) WGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01.09.2024	02.09.2024	80	33	14	BDL		CLOUDY / LIGHT BREEZE
02.09.2024	03.09.2024	83	37	16	BDL		CLOUDY / LIGHT BREEZE
08.09.2024	09.09.2024	76	28	16	BDL		CLOUDY / LIGHT BREEZE
09.09.2024	10.09.2024	74	26	13	BDL		CLOUDY / LIGHT BREEZE
16.09.2024	17.09.2024	82	34	14	BDL		CLEAR / CALM
17.09.2024	18.09.2024	86	37	14	BDL		CLEAR / CALM
23.09.2024	24.09.2024	83	41	16	BDL		CLEAR / CALM
24.09.2024	25.09.2024	71	67	13	BDL		RAINY / LIGHT BREEZE
28.09.2024	29.09.2024	82	34	16	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		


Analysed by

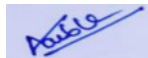
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7102
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

CHP: WGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	06.09.2024	69.4	68.5
SEPT'24	22.09.2024	66.4	65.3
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	20
SEPT'24	06.09.2024	44.2	43.4
SEPT'24	22.09.2024	44.3	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/18	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MANAGER OFFICE				WKOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.09.2024	06.09.2024	284	189	57	22	BDL	CLOUDY / LIGHT BREEZE
20.09.2024	21.09.2024	328	230	63	24	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH SEPtember 2000		600	300	-	120	120	

SAM OFFICE				WMOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.09.2024	06.09.2024	318	208	61	22	11	CLOUDY / LIGHT BREEZE
20.09.2024	21.09.2024	347	227	64	24	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH SEPtember 2000		600	300	-	120	120	

KOLGAON VILLAGE		WKOA3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.09.2024	04.09.2024	76	33	14	BDL	CLOUDY / LIGHT BREEZE
04.09.2024	05.09.2024	82	38	16	BDL	CLOUDY / LIGHT BREEZE
10.09.2024	11.09.2024	80	41	17	BDL	CLOUDY / LIGHT BREEZE
11.09.2024	12.09.2024	76	31	15	BDL	CLOUDY / LIGHT BREEZE
18.09.2024	19.09.2024	83	41	16	BDL	CLEAR / CALM
19.09.2024	20.09.2024	86	42	17	BDL	CLEAR / CALM
25.09.2024	26.09.2024	90	37	13	BDL	CLEAR / CALM
26.09.2024	27.09.2024	92	39	14	BDL	RAINY / CALM
29.09.2024	30.09.2024	88	40	16	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

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	
03.09.2024	03.09.2024	79	30	14	BDL	CLOUDY / LIGHT BREEZE
04.09.2024	04.09.2024	82	32	16	BDL	CLOUDY / LIGHT BREEZE
10.09.2024	10.09.2024	84	31	13	BDL	CLOUDY / LIGHT BREEZE
11.09.2024	11.09.2024	72	28	16	BDL	CLOUDY / LIGHT BREEZE
18.09.2024	18.09.2024	83	36	14	BDL	CLEAR / CALM
19.09.2024	19.09.2024	88	35	15	BDL	CLEAR / CALM
25.09.2024	25.09.2024	85	38	17	BDL	CLEAR / CALM
26.09.2024	26.09.2024	87	40	13	BDL	CLEAR / CALM
29.09.2024	29.09.2024	90	41	16	BDL	CLEAR / 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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: WKOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.09.2024	7.88	50	36	BDL
20.09.2024	7.44	54	40	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 PRSEPTOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE:		WKON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'24	06.09.2024	52.2	51.6
SEPT'24	22.09.2024	53.2	52.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI):		WKON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'24	06.09.2024	43.5	42.4
SEPT'24	22.09.2024	43.2	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/19	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

SUBSTATION WMOA1							
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	
05.09.2024	06.09.2024	310	208	59	21	BDL	CLOUDY / LIGHT BREEZE
20.09.2024	21.09.2024	347	227	64	24	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH SEPTemBer 2000		600	300	-	120	120	

SAM OFFICE WMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.09.2024	06.09.2024	318	208	61	22	11	CLOUDY / LIGHT BREEZE
20.09.2024	21.09.2024	347	227	64	24	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH SEPTemBer 2000		600	300	-	120	120	

KAILSHNAGAR TOWNSHIP - FILTER PLANT WMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03.09.2024	03.09.2024	79	30	14	BDL		CLOUDY / LIGHT BREEZE
04.09.2024	04.09.2024	82	32	16	BDL		CLOUDY / LIGHT BREEZE
10.09.2024	10.09.2024	84	31	13	BDL		CLOUDY / LIGHT BREEZE
11.09.2024	11.09.2024	72	28	16	BDL		CLOUDY / LIGHT BREEZE
18.09.2024	18.09.2024	83	36	14	BDL		CLEAR / CALM
19.09.2024	19.09.2024	88	35	15	BDL		CLEAR / CALM
25.09.2024	25.09.2024	85	38	17	BDL		CLEAR / CALM
26.09.2024	26.09.2024	87	40	13	BDL		CLEAR / CALM
29.09.2024	29.09.2024	90	41	16	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		

TUBEWELL NEAR SAKHARA VILLAGE WMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03.09.2024	03.09.2024	74	33	13	BDL		CLOUDY / LIGHT BREEZE
04.09.2024	04.09.2024	76	31	15	BDL		CLOUDY / LIGHT BREEZE
10.09.2024	10.09.2024	79	34	17	BDL		CLOUDY / LIGHT BREEZE
11.09.2024	11.09.2024	81	38	16	BDL		CLOUDY / LIGHT BREEZE
18.09.2024	18.09.2024	84	34	18	BDL		CLEAR / CALM
19.09.2024	19.09.2024	89	39	14	BDL		CLEAR / CALM
25.09.2024	25.09.2024	86	40	16	BDL		CLEAR / CALM
26.09.2024	26.09.2024	81	39	17	BDL		CLEAR / CALM
29.09.2024	29.09.2024	90	41	16	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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: WMOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.09.2024	7.72	42	36	BDL
20.09.2024	7.11	48	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WMOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.09.2024	7.55	48	40	BDL
20.09.2024	7.62	52	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	 FC-7102
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

CHP: WMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'24	06.09.2024	68.7	67.4
SEPT'24	22.09.2024	65.7	64.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MUNGOLI): WMON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'24	06.09.2024	43.5	42.4
SEPT'24	22.09.2024	43.2	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

SAM OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06.09.2024	07.09.2024	308	204	60	21	12	CLOUDY / LIGHT BREEZE
21.09.2024	22.09.2024	327	228	63	24	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH SEPTember 2000		600	300	-	120	120	

WORKSHOP ETP NOCM WNOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06.09.2024	07.09.2024	282	194	59	21	BDL	CLOUDY / LIGHT BREEZE
21.09.2024	22.09.2024	337	227	62	24	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH SEPTember 2000		600	300	-	120	120	

BELLORA REHABILITATION VILLAGE WNGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01.09.2024	02.09.2024	73	34	16	BDL	CLOUDY / LIGHT BREEZE	
02.09.2024	03.09.2024	81	36	14	BDL	CLOUDY / LIGHT BREEZE	
08.09.2024	09.09.2024	74	28	13	BDL	CLOUDY / LIGHT BREEZE	
09.09.2024	10.09.2024	86	37	15	BDL	CLOUDY / LIGHT BREEZE	
16.09.2024	17.09.2024	82	34	16	BDL	CLEAR / CALM	
17.09.2024	18.09.2024	87	39	17	BDL	CLEAR / CALM	
23.09.2024	24.09.2024	84	40	18	BDL	CLEAR / CALM	
24.09.2024	25.09.2024	88	41	17	BDL	RAINY / LIGHT BREEZE	
28.09.2024	29.09.2024	91	39	16	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		

FILTER PLANT NEAR VIP GUEST HOUSE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
01.09.2024	02.09.2024	73	28	13	BDL	CLOUDY / LIGHT BREEZE	
02.09.2024	03.09.2024	76	32	15	BDL	CLOUDY / LIGHT BREEZE	
08.09.2024	09.09.2024	77	29	14	BDL	CLOUDY / LIGHT BREEZE	
09.09.2024	10.09.2024	84	34	16	BDL	CLOUDY / LIGHT BREEZE	
16.09.2024	17.09.2024	82	37	15	BDL	CLEAR / CALM	
17.09.2024	18.09.2024	87	39	16	BDL	CLEAR / CALM	
23.09.2024	24.09.2024	85	38	14	BDL	CLEAR / CALM	
24.09.2024	25.09.2024	80	42	16	BDL	RAINY / LIGHT BREEZE	
28.09.2024	29.09.2024	88	40	17	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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.09.2024	8.28	42	32	BDL
21.09.2024	6.04	46	40	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
04.09.2024	7.71	44	28	BDL
21.09.2024	6.79	58	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 PRSEPTOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

CHP: WNGON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	06.09.2024	65.5	64.3
SEPT'24	22.09.2024	65.3	64.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WNGON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	06.09.2024	44.2	43.4
SEPT'24	22.09.2024	43.3	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/21	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

CIVIL OFFICE- NILJAI WNOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06.09.2024	07.09.2024	292	208	61	21	11
21.09.2024	22.09.2024	342	223	64	23	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH SEPTEMBER 2000		600	300	-	120	120

WORKSHOP ETP NOCM WNOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
06.09.2024	07.09.2024	282	194	59	21	BDL
21.09.2024	22.09.2024	337	227	62	24	12
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH SEPTEMBER 2000		600	300	-	120	120

NILJAI COLONY WNOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.09.2024	04.09.2024	76	28	15	BDL	CLOUDY / LIGHT BREEZE
04.09.2024	05.09.2024	79	30	14	BDL	CLOUDY / LIGHT BREEZE
10.09.2024	11.09.2024	75	29	16	BDL	CLOUDY / LIGHT BREEZE
11.09.2024	12.09.2024	81	34	17	BDL	CLOUDY / LIGHT BREEZE
18.09.2024	19.09.2024	87	37	16	BDL	CLEAR / CALM
19.09.2024	20.09.2024	91	39	14	BDL	CLEAR / CALM
25.09.2024	26.09.2024	84	40	15	BDL	CLEAR / CALM
26.09.2024	27.09.2024	88	41	18	BDL	CLEAR / CALM
29.09.2024	30.09.2024	92	42	17	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

TARODA VILLAGE WNOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03.09.2024	04.09.2024	73	30	14	BDL	CLOUDY / LIGHT BREEZE
04.09.2024	05.09.2024	78	29	16	BDL	CLOUDY / LIGHT BREEZE
10.09.2024	11.09.2024	81	32	18	BDL	CLOUDY / LIGHT BREEZE
11.09.2024	12.09.2024	84	33	16	BDL	CLOUDY / LIGHT BREEZE
18.09.2024	19.09.2024	91	34	17	BDL	CLEAR / CALM
19.09.2024	20.09.2024	88	38	16	BDL	CLEAR / CALM
25.09.2024	26.09.2024	83	39	15	BDL	CLEAR / CALM
26.09.2024	27.09.2024	88	40	14	BDL	CLEAR / CALM
29.09.2024	30.09.2024	90	41	18	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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: WNOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.09.2024	7.72	50	36	BDL
21.09.2024	7.62	60	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(NILJAI-S)TREATED WATER: WNOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.09.2024	7.94	42	32	BDL
21.09.2024	7.62	48	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
06.09.2024	64	12.0
21.09.2024	78	11.4
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 PRSEPTOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-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
SEPT'24	06.09.2024	66.8	65.6
SEPT'24	22.09.2024	65.6	64.3
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
SEPT'23	06.09.2024	67.5	66.4
SEPT'23	22.09.2024	64.6	63.0
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
SEPT'24	06.09.2024	44.2	43.4
SEPT'24	22.09.2024	44.5	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

PENGANGA OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-24/23		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	
				16-09-24 TO 15-10-24	

MANAGER OFFICE WPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.09.2024	06.09.2024	284	191	57	22	11	CLOUDY / LIGHT BREEZE
20.09.2024	21.09.2024	332	218	63	24	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

NEAR MINE WPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.09.2024	06.09.2024	297	210	60	22	11	CLOUDY / LIGHT BREEZE
20.09.2024	21.09.2024	347	237	64	24	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

VIRUR VILLAGE WPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03.09.2024	04.09.2024	79	30	14	BDL		CLOUDY / LIGHT BREEZE
04.09.2024	05.09.2024	81	32	13	BDL		CLOUDY / LIGHT BREEZE
10.09.2024	11.09.2024	76	28	13	BDL		CLOUDY / LIGHT BREEZE
11.09.2024	12.09.2024	84	34	16	BDL		CLOUDY / LIGHT BREEZE
18.09.2024	19.09.2024	92	40	17	BDL		CLEAR / CALM
19.09.2024	20.09.2024	88	37	15	BDL		CLEAR / CALM
25.09.2024	26.09.2024	86	36	16	BDL		CLEAR / CALM
26.09.2024	27.09.2024	88	34	14	BDL		CLEAR / CALM
29.09.2024	30.09.2024	85	38	15	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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03.09.2024	04.09.2024	76	28	13	BDL		CLOUDY / LIGHT BREEZE
04.09.2024	05.09.2024	78	30	14	BDL		CLOUDY / LIGHT BREEZE
10.09.2024	11.09.2024	77	31	16	BDL		CLOUDY / LIGHT BREEZE
11.09.2024	12.09.2024	84	34	17	BDL		CLOUDY / LIGHT BREEZE
18.09.2024	19.09.2024	80	34	15	BDL		CLEAR / CALM
19.09.2024	20.09.2024	86	38	16	BDL		CLEAR / CALM
25.09.2024	26.09.2024	83	41	17	BDL		CLEAR / CALM
26.09.2024	27.09.2024	87	40	18	BDL		CLEAR / CALM
29.09.2024	30.09.2024	91	38	16	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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE:		WPOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.09.2024	7.69	46	40	BDL
20.09.2024	7.86	54	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



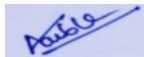
Analysed by

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

NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-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
SEPT'24	06.09.2024	55.3	54.6
SEPT'24	22.09.2024	54.2	53.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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



SEPTEMBER 2024



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

AN ISO 9001:2015 COMPANY



Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-24/23		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	
				16-09-24 TO 15-10-24	

PROJECT MANAGER OFFICE WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.09.2024	06.09.2024	254	166	43	16	11	CLEAR/CALM
20.09.2024	21.09.2024	287	192	52	17	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE/ CANTEEN WNKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.09.2024	06.09.2024	267	182	48	15	10	CLEAR/CALM
20.09.2024	21.09.2024	243	151	40	13	10	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

GHONSA VILLAGE WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03.09.2024	04.09.2024	78	24	9	BDL		CLEAR/CALM
04.09.2024	05.09.2024	86	27	10	BDL		CLEAR/CALM
10.09.2024	11.09.2024	74	25	8	BDL		CLOUDY/CALM
11.09.2024	12.09.2024	69	21	7	BDL		CLOUDY/CALM
18.09.2024	19.09.2024	87	26	9	BDL		CLEAR/CALM
19.09.2024	20.09.2024	73	21	8	BDL		CLEAR/CALM
25.09.2024	26.09.2024	70	18	8	BDL		CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	64	16	7	BDL		CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	89	27	9	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		
03.09.2024	04.09.2024	80	26	10	BDL		CLEAR/CALM
04.09.2024	05.09.2024	87	29	9	BDL		CLEAR/CALM
10.09.2024	11.09.2024	67	21	7	BDL		CLOUDY/CALM
11.09.2024	12.09.2024	72	24	8	BDL		CLOUDY/CALM
18.09.2024	19.09.2024	90	29	10	BDL		CLEAR/CALM
19.09.2024	20.09.2024	84	26	9	BDL		CLEAR/CALM
25.09.2024	26.09.2024	73	23	7	BDL		CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	60	17	7	BDL		CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	88	25	8	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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12.09.2024	8.17	22	32	BDL
25.09.2024	8.07	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

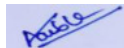
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	--

NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-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	20
SEPT'24	12.09.2024	57.4	56.1
SEPT'24	22.09.2024	56.7	54.2
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	20
SEPT'24	12.09.2024	44.1	43.3
SEPT'24	22.09.2024	45.4	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

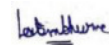
TEST REPORT NO.	RIN/TR/SEPT-24/24	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

SAM OFFICE WNJOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06.09.2024	07.09.2024	268	178	44	15	12	CLEAR/CALM
21.09.2024	22.09.2024	244	153	32	13	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000		600	300	-	120	120	

BORGAON VILLAGE WNJOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03.09.2024	04.09.2024	77	28	10	BDL		CLEAR/CALM
04.09.2024	05.09.2024	84	30	9	BDL		CLEAR/CALM
10.09.2024	11.09.2024	70	23	8	BDL		CLOUDY/CALM
11.09.2024	12.09.2024	62	19	7	BDL		CLOUDY/CALM
18.09.2024	19.09.2024	80	29	10	BDL		CLEAR/CALM
19.09.2024	20.09.2024	75	22	9	BDL		CLEAR/CALM
25.09.2024	26.09.2024	59	16	6	BDL		CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	68	20	7	BDL		CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	77	27	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		
03.09.2024	04.09.2024	81	33	10	BDL		CLEAR/CALM
04.09.2024	05.09.2024	72	29	9	BDL		CLEAR/CALM
10.09.2024	11.09.2024	66	25	8	BDL		CLOUDY/CALM
11.09.2024	12.09.2024	58	19	8	BDL		CLOUDY/CALM
18.09.2024	19.09.2024	81	29	9	BDL		CLEAR/CALM
19.09.2024	20.09.2024	76	24	8	BDL		CLEAR/CALM
25.09.2024	26.09.2024	61	18	7	BDL		CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	69	20	7	BDL		CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	77	23	8	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		
12.09.2024	13.09.2024	82	24	9	BDL		CLEAR/CALM
27.09.2024	28.09.2024	71	20	7	BDL		CLOUDY/CALM
NAAQS, 2009		100	60	80	80		

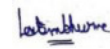


Analysed by

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:		16-09-24 TO 15-10-24	

MINE WATER DISCHARGE: WNJOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.09.2024	8.06	22	36	BDL
26.09.2024	8.02	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNJOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.09.2024	7.99	26	36	BDL
26.09.2024	8.05	28	40	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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-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
SEPT'24	06.09.2024	59.8	58.2
SEPT'24	22.09.2024	56.4	53.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNJON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	06.09.2024	43.2	42.8
SEPT'24	22.09.2024	44.6	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/25	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

SUBSTATION KOLARPIMPRI WNKOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.09.2024	08.09.2024	189	136	37	14	10	CLOUDY/LIGHT BREEZE
22.09.2024	23.09.2024	210	168	46	16	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

REST SHELTER WNKOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.09.2024	08.09.2024	185	142	34	13	BDL	CLOUDY/LIGHT BREEZE
22.09.2024	23.09.2024	227	198	48	17	15	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

PIMPRI VILLAGE WNKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01.09.2024	02.09.2024	81	27	10	BDL	CLOUDY/LIGHT BREEZE	
02.09.2024	03.09.2024	73	23	9	BDL	CLOUDY/LIGHT BREEZE	
08.09.2024	09.09.2024	88	29	10	BDL	CLOUDY/LIGHT BREEZE	
09.09.2024	10.09.2024	78	24	9	BDL	CLOUDY/LIGHT BREEZE	
16.09.2024	17.09.2024	77	28	9	BDL	CLEAR/CALM	
17.09.2024	18.09.2024	86	34	9	BDL	CLEAR/CALM	
23.09.2024	24.09.2024	72	24	8	BDL	CLEAR/CALM	
24.09.2024	25.09.2024	58	17	7	BDL	RAINY/LIGHT BREEZE	
28.09.2024	29.09.2024	79	22	9	BDL	CLEAR/CALM	
NAAQS, 2009		100	60	80	80		

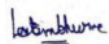
WATER FILTER PLANT PRAGATI NAGAR WNKOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
01.09.2024	02.09.2024	72	21	9	BDL	CLOUDY/LIGHT BREEZE	
02.09.2024	03.09.2024	79	26	8	BDL	CLOUDY/LIGHT BREEZE	
08.09.2024	09.09.2024	86	29	9	BDL	CLOUDY/LIGHT BREEZE	
09.09.2024	10.09.2024	74	20	8	BDL	CLOUDY/LIGHT BREEZE	
16.09.2024	17.09.2024	87	29	9	BDL	CLEAR/CALM	
17.09.2024	18.09.2024	92	33	10	BDL	CLEAR/CALM	
23.09.2024	24.09.2024	79	24	8	BDL	CLEAR/CALM	
24.09.2024	25.09.2024	60	17	7	BDL	RAINY/LIGHT BREEZE	
28.09.2024	29.09.2024	76	22	8	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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: WNKOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.09.2024	7.69	32	48	BDL
22.09.2024	8.00	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

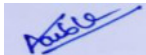
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP: WNKON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	06.09.2024	71.5	69.3
SEPT'24	22.09.2024	67.6	65.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	06.09.2024	44.3	43.1
SEPT'24	22.09.2024	45.1	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/27	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

SAM OFFICE WNPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07.09.2024	08.09.2024	231	159	45	14	10	CLOUDY/LIGHT BREEZE
22.09.2024	23.09.2024	268	179	49	16	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

WORKSHOP WNPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07.09.2024	08.09.2024	255	173	47	16	12	CLOUDY/LIGHT BREEZE
22.09.2024	23.09.2024	279	192	53	17	14	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

WATER FILTER PLANT PRAGATI NAGAR				WNKO4		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01.09.2024	02.09.2024	72	21	9	BDL	CLOUDY/LIGHT BREEZE
02.09.2024	03.09.2024	79	26	8	BDL	CLOUDY/LIGHT BREEZE
08.09.2024	09.09.2024	86	29	9	BDL	CLOUDY/LIGHT BREEZE
09.09.2024	10.09.2024	74	20	8	BDL	CLOUDY/LIGHT BREEZE
16.09.2024	17.09.2024	87	29	9	BDL	CLEAR/CALM
17.09.2024	18.09.2024	92	33	10	BDL	CLEAR/CALM
23.09.2024	24.09.2024	79	24	8	BDL	CLEAR/CALM
24.09.2024	25.09.2024	60	17	7	BDL	RAINY/LIGHT BREEZE
28.09.2024	29.09.2024	76	22	8	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

BORGAON VILLAGE			WNJOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03.09.2024	04.09.2024	77	28	10	BDL	CLEAR/CALM
04.09.2024	05.09.2024	84	30	9	BDL	CLEAR/CALM
10.09.2024	11.09.2024	70	23	8	BDL	CLOUDY/CALM
11.09.2024	12.09.2024	62	19	7	BDL	CLOUDY/CALM
18.09.2024	19.09.2024	80	29	10	BDL	CLEAR/CALM
19.09.2024	20.09.2024	75	22	9	BDL	CLEAR/CALM
25.09.2024	26.09.2024	59	16	6	BDL	CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	68	20	7	BDL	CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	77	27	8	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	



Analysed by

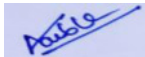
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP: WNPON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	06.09.2024	69.6	68.5
SEPT'24	22.09.2024	67.8	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	06.09.2024	44.3	43.1
SEPT'24	22.09.2024	45.1	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/28	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

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	
05.09.2024	06.09.2024	227	148	42	15	12	CLEAR/CALM
20.09.2024	21.09.2024	249	162	47	17	13	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE WNRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.09.2024	06.09.2024	203	112	37	13	9	CLEAR/CALM
20.09.2024	21.09.2024	239	144	46	15	11	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

PIT OFFICE WNRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.09.2024	07.09.2024	247	163	49	16	12	CLEAR/CALM
21.09.2024	22.09.2024	213	189	40	14	10	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

HUTMENT WNRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
12.09.2024	13.09.2024	88	28	8	BDL	CLEAR/CALM	
28.09.2024	29.09.2024	68	19	7	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

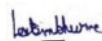


Analysed by

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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: WNRUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12.09.2024	8.28	24	36	BDL
25.09.2024	8.39	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

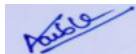
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

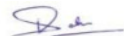
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	59.9	58.7
SEPT'24	27.09.2024	68.5	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	43.8	42.4
SEPT'24	27.09.2024	44.6	42.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

UKNI DEEP OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-24/29		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	
				16-09-24 TO 15-10-24	

WORKSHOP PREMISES WNUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06.09.2024	07.09.2024	266	175	45	16	12	CLEAR/CALM
21.09.2024	22.09.2024	221	166	34	12	BDL	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

BHALAR TOWNSHIP WNUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
03.09.2024	04.09.2024	81	33	10	BDL		CLEAR/CALM
04.09.2024	05.09.2024	72	29	9	BDL		CLEAR/CALM
10.09.2024	11.09.2024	66	25	8	BDL		CLOUDY/CALM
11.09.2024	12.09.2024	58	19	8	BDL		CLOUDY/CALM
18.09.2024	19.09.2024	81	29	9	BDL		CLEAR/CALM
19.09.2024	20.09.2024	76	24	8	BDL		CLEAR/CALM
25.09.2024	26.09.2024	61	18	7	BDL		CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	69	20	7	BDL		CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	77	23	8	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		
12.09.2024	13.09.2024	82	24	9	BDL		CLEAR/CALM
27.09.2024	28.09.2024	71	20	7	BDL		CLOUDY/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		
01.09.2024	02.09.2024	81	27	10	BDL		CLOUDY/LIGHT BREEZE
02.09.2024	03.09.2024	73	23	9	BDL		CLOUDY/LIGHT BREEZE
08.09.2024	09.09.2024	88	29	10	BDL		CLOUDY/LIGHT BREEZE
09.09.2024	10.09.2024	78	24	9	BDL		CLOUDY/LIGHT BREEZE
16.09.2024	17.09.2024	77	28	9	BDL		CLEAR/CALM
17.09.2024	18.09.2024	86	34	9	BDL		CLEAR/CALM
23.09.2024	24.09.2024	72	24	8	BDL		CLEAR/CALM
24.09.2024	25.09.2024	58	17	7	BDL		RAINY/LIGHT BREEZE
28.09.2024	29.09.2024	79	22	9	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

lab signature

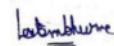
Analysed by

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:		16-09-24 TO 15-10-24

MINE WATER DISCHARGE: WNUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.09.2024	7.77	26	40	BDL
26.09.2024	7.71	38	48	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
07.09.2024	8.13	24	32	BDL
26.09.2024	8.21	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP DISCHARGE: WNUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
07.09.2024	26	12
26.09.2024	30	14
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



Analysed by

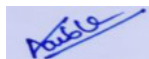
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP: WNUON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	06.09.2024	68.9	67.6
SEPT'24	22.09.2024	68.4	66.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNUON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	06.09.2024	43.2	42.8
SEPT'24	22.09.2024	44.6	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

WANI RAILWAY SIDING

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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


TEST REPORT NO.	RIN/TR/SEPT-24/30	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-24 TO 15-10-24	

NEAR RAILWAY SIDING		WNRSA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.09.2024	04.09.2024	163	103	36	12	10	CLEAR/CALM
04.09.2024	05.09.2024	155	98	30	10	BDL	CLEAR/CALM
10.09.2024	11.09.2024	137	82	34	8	BDL	CLOUDY/CALM
11.09.2024	12.09.2024	149	113	39	9	BDL	CLOUDY/CALM
18.09.2024	19.09.2024	153	90	32	10	BDL	CLEAR/CALM
19.09.2024	20.09.2024	168	106	39	12	BDL	CLEAR/CALM
25.09.2024	26.09.2024	128	77	33	8	BDL	CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	139	89	38	9	BDL	CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	174	126	42	13	10	CLEAR/CALM
TLV		600	300	-	120	120	

VITTALWADI			WNRSA3			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03.09.2024	04.09.2024	89	29	9	BDL	CLEAR/CALM
04.09.2024	05.09.2024	83	26	9	BDL	CLEAR/CALM
10.09.2024	11.09.2024	71	23	8	BDL	CLOUDY/CALM
11.09.2024	12.09.2024	66	18	8	BDL	CLOUDY/CALM
18.09.2024	19.09.2024	82	28	9	BDL	CLEAR/CALM
19.09.2024	20.09.2024	74	22	8	BDL	CLEAR/CALM
25.09.2024	26.09.2024	62	19	7	BDL	CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	55	17	7	BDL	CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	77	25	8	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

PRAGATI NAGAR			WNRSA4			
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	
03.09.2024	04.09.2024	91	32	10	BDL	CLEAR/CALM
04.09.2024	05.09.2024	85	27	10	BDL	CLEAR/CALM
10.09.2024	11.09.2024	62	19	8	BDL	CLOUDY/CALM
11.09.2024	12.09.2024	77	22	9	BDL	CLOUDY/CALM
18.09.2024	19.09.2024	89	29	8	BDL	CLEAR/CALM
19.09.2024	20.09.2024	93	31	9	BDL	CLEAR/CALM
25.09.2024	26.09.2024	67	24	7	BDL	CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	72	28	8	BDL	CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	88	25	9	BDL	CLEAR/CALM
NAAQS, 2009		100	60	80	80	

labdhare
Analysed by

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

NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-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
SEPT'24	12.09.2024	45.4	44.2
SEPT'24	22.09.2024	45.5	43.4
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
SEPT'24	12.09.2024	51.5	50.9
SEPT'24	27.09.2024	58.4	56.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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

AMBARA OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2024



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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/SEPT-24/67	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MANAGER OFFICE KAOA1							
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	
04.09.2024	05.09.2024	275	168	63	15	13	Clody sky / Calm
18.09.2024	19.09.2024	259	148	47	13	11	Clear sky / 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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
05.09.2024	06.09.2024	269	152	57	14	12	Clody sky / Calm
19.09.2024	20.09.2024	250	144	44	12	10	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER KMUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.09.2024	05.09.2024	82	32	8	BDL	Clody sky / Calm
05.09.2024	06.09.2024	84	34	9	BDL	Clody sky / Calm
11.09.2024	12.09.2024	78	28	7	BDL	Clody sky / Calm
12.09.2024	13.09.2024	80	30	8	BDL	Clody sky / Calm
18.09.2024	19.09.2024	76	26	7	BDL	Clear sky / Calm
19.09.2024	20.09.2024	72	22	6	BDL	Clear sky / Calm
25.09.2024	26.09.2024	74	24	7	BDL	Clear sky / Calm
26.09.2024	27.09.2024	78	28	8	BDL	Clear sky / Calm
28.09.2024	29.09.2024	80	30	9	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

AMBARA VILLAGE KMUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.09.2024	05.09.2024	84	34	9	BDL	Clody sky / Calm
05.09.2024	06.09.2024	78	28	7	BDL	Clody sky / Calm
11.09.2024	12.09.2024	80	30	8	BDL	Clody sky / Calm
12.09.2024	13.09.2024	82	32	8	BDL	Clody sky / Calm
18.09.2024	19.09.2024	74	24	6	BDL	Clear sky / Calm
19.09.2024	20.09.2024	78	28	7	BDL	Clear sky / Calm
25.09.2024	26.09.2024	76	26	6	BDL	Clear sky / Calm
26.09.2024	27.09.2024	80	30	8	BDL	Clear sky / Calm
28.09.2024	29.09.2024	72	22	6	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	



Analysed by

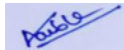
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	--

NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: KAON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	47.6	46.6
SEPT'24	25.09.2024	45.4	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN/MAORI): KMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	46.7	43.6
SEPT'24	25.09.2024	45.1	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

AREA WORKSHOP

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2024

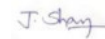
Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/69	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

AREA WORKSHOP KAWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03.09.2024	04.09.2024	268	162	64	15	13	Cloudy sky / Calm
27.09.2024	28.09.2024	248	152	56	14	12	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



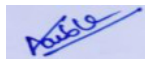
Analysed by

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

NOISE LEVEL MONITORING DATA

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

WORK SHOP PREMISES:		KAWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	44.1	42.1
SEPT'24	25.09.2024	44.4	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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



SEPTEMBER 2024

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-24/70		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	
				16-09-24 TO 15-10-24	

MANAGER OFFICE-GHORAWARI OC KGOA1							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.09.2024	12.09.2024	278	168	64	15	13	Cloudy sky / Calm
25.09.2024	26.09.2024	262	152	58	14	12	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE- JHARNA UG KJUA1							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.09.2024	12.09.2024	260	161	61	13	12	Cloudy sky / Calm
25.09.2024	26.09.2024	253	145	48	12	11	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI KJUA2							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.09.2024	13.09.2024	255	148	46	12	11	Cloudy sky / Calm
26.09.2024	27.09.2024	246	135	38	11	10	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA KJUA3							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04.09.2024	05.09.2024	84	34	9	BDL	Cloudy sky / Calm	
05.09.2024	06.09.2024	80	30	8	BDL	Cloudy sky / Calm	
11.09.2024	12.09.2024	82	32	8	BDL	Cloudy sky / Calm	
12.09.2024	13.09.2024	78	28	7	BDL	Cloudy sky / Calm	
18.09.2024	19.09.2024	72	22	6	BDL	Clear sky / Calm	
19.09.2024	20.09.2024	78	28	7	BDL	Clear sky / Calm	
25.09.2024	26.09.2024	76	26	6	BDL	Clear sky / Calm	
26.09.2024	27.09.2024	80	30	8	BDL	Clear sky / Calm	
28.09.2024	29.09.2024	82	32	9	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

PANARA VILLAGE KJUA4							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04.09.2024	05.09.2024	80	30	8	BDL	Cloudy sky / Calm	
05.09.2024	06.09.2024	82	32	8	BDL	Cloudy sky / Calm	
11.09.2024	12.09.2024	84	34	9	BDL	Cloudy sky / Calm	
12.09.2024	13.09.2024	78	28	7	BDL	Cloudy sky / Calm	
18.09.2024	19.09.2024	76	26	6	BDL	Clear sky / Calm	
19.09.2024	20.09.2024	78	28	8	BDL	Clear sky / Calm	
25.09.2024	26.09.2024	84	34	9	BDL	Clear sky / Calm	
26.09.2024	27.09.2024	82	32	8	BDL	Clear sky / Calm	
28.09.2024	29.09.2024	74	24	6	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

J. 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 :	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: KGOW		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
04.09.2024	7.69	24	32	BDL
26.09.2024	8.17	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE:		KGON1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	46.7	43.2
SEPT'24	25.09.2024	45.1	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(JHARNA):		KGON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	46.3	43.9
SEPT'24	25.09.2024	44.3	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/71	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12.2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MANAGER OFFICE- JHARNA UG KJUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
11.09.2024	12.09.2024	260	161	61	13	12
25.09.2024	26.09.2024	253	145	48	12	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

SAM-OFFICE GHORAWARI KJUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
12.09.2024	13.09.2024	255	148	46	12	11
26.09.2024	27.09.2024	246	135	38	11	10
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04.09.2024	05.09.2024	84	34	9	BDL	Cloudy sky / Calm
05.09.2024	06.09.2024	80	30	8	BDL	Cloudy sky / Calm
11.09.2024	12.09.2024	82	32	8	BDL	Cloudy sky / Calm
12.09.2024	13.09.2024	78	28	7	BDL	Cloudy sky / Calm
18.09.2024	19.09.2024	72	22	6	BDL	Clear sky / Calm
19.09.2024	20.09.2024	78	28	7	BDL	Clear sky / Calm
25.09.2024	26.09.2024	76	26	6	BDL	Clear sky / Calm
26.09.2024	27.09.2024	80	30	8	BDL	Clear sky / Calm
28.09.2024	29.09.2024	82	32	9	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

PANARA VILLAGE KJUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04.09.2024	05.09.2024	80	30	8	BDL	Cloudy sky / Calm
05.09.2024	06.09.2024	82	32	8	BDL	Cloudy sky / Calm
11.09.2024	12.09.2024	84	34	9	BDL	Cloudy sky / Calm
12.09.2024	13.09.2024	78	28	7	BDL	Cloudy sky / Calm
18.09.2024	19.09.2024	76	26	6	BDL	Clear sky / Calm
19.09.2024	20.09.2024	78	28	8	BDL	Clear sky / Calm
25.09.2024	26.09.2024	84	34	9	BDL	Clear sky / Calm
26.09.2024	27.09.2024	82	32	8	BDL	Clear sky / Calm
28.09.2024	29.09.2024	74	24	6	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 PRSEPTOCOL 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	20
SEPT'24	12.09.2024	62.3	60.1
SEPT'24	25.09.2024	63.3	60.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	46.3	43.9
SEPT'24	25.09.2024	44.3	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/72	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : L SOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

SAM OFFICE KMUA1						
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
13.09.2024	14.09.2024	265	160	66	14	13
26.09.2024	27.09.2024	245	142	44	12	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
		ENVIRONMENT CONDITIONS (Sky/Wind)				

PIT OFFICE MOHAN KMUA2						
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
13.09.2024	14.09.2024	255	150	52	13	11
19.09.2024	20.09.2024	238	135	38	11	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120
		ENVIRONMENT CONDITIONS (Sky/Wind)				

COLONY HEALTH CENTER KMUA3						
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	
04.09.2024	05.09.2024	82	32	8	BDL	Clody sky / Calm
05.09.2024	06.09.2024	84	34	9	BDL	Clody sky / Calm
11.09.2024	12.09.2024	78	28	7	BDL	Clody sky / Calm
12.09.2024	13.09.2024	80	30	8	BDL	Clody sky / Calm
18.09.2024	19.09.2024	76	26	7	BDL	Clear sky / Calm
19.09.2024	20.09.2024	72	22	6	BDL	Clear sky / Calm
25.09.2024	26.09.2024	74	24	7	BDL	Clear sky / Calm
26.09.2024	27.09.2024	78	28	8	BDL	Clear sky / Calm
28.09.2024	29.09.2024	80	30	9	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

AMBARA VILLAGE KMUA4						
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.09.2024	05.09.2024	84	34	9	BDL	Clody sky / Calm
05.09.2024	06.09.2024	78	28	7	BDL	Clody sky / Calm
11.09.2024	12.09.2024	80	30	8	BDL	Clody sky / Calm
12.09.2024	13.09.2024	82	32	8	BDL	Clody sky / Calm
18.09.2024	19.09.2024	74	24	6	BDL	Clear sky / Calm
19.09.2024	20.09.2024	78	28	7	BDL	Clear sky / Calm
25.09.2024	26.09.2024	76	26	6	BDL	Clear sky / Calm
26.09.2024	27.09.2024	80	30	8	BDL	Clear sky / Calm
28.09.2024	29.09.2024	72	22	6	BDL	Clear sky / Calm
NAAQS, 2009		100	60	80	80	


Analysed by

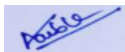
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	-------------	---

NOISE LEVEL MONITORING DATA

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

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	61.5	60.2
SEPT'24	25.09.2024	61.8	60.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MOHAN MAORI):		KMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	46.7	43.6
SEPT'24	25.09.2024	45.1	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

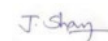
TEST REPORT NO.	RIN/TR/SEPT-24/73	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-24 TO 15-10-24	

SAM OFFICE- NANDAN I UG KNUA1							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.09.2024	04.09.2024	262	160	58	13	12	Cloudy sky / Calm
27.09.2024	28.09.2024	275	170	68	15	13	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE NANADAN II UG KNUA2							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.09.2024	04.09.2024	258	150	48	12	11	Cloudy sky / Calm
27.09.2024	28.09.2024	249	138	36	11	10	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HEALTH CENTER-NANADAN UG KNUA3							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03.09.2024	04.09.2024	84	34	9	BDL	Cloudy sky / Calm	
27.09.2024	28.09.2024	76	26	7	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

NANDAN WATER FILTER PLANT KNUA4							
DATE(dd:mm:yy)) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03.09.2024	04.09.2024	78	28	7	BDL	Cloudy sky / Calm	
27.09.2024	28.09.2024	82	32	9	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 :	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: KNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.09.2024	7.84	32	44	BDL
26.09.2024	8.09	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

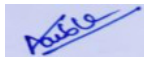
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

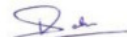
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRSEPTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE UG II: KNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	62.1	60.5
SEPT'24	25.09.2024	62.4	60.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: KNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	12.09.2024	46.7	43.7
SEPT'24	25.09.2024	44.2	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/74a	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

INCLINE SHARDA KSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02.09.2024	03.09.2024	270	162	63	15	13	Cloudy sky / Calm
17.09.2024	18.09.2024	255	142	54	13	11	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

UMARIA FADALI VILLAGE KSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02.09.2024	03.09.2024	84	34	9	BDL	Cloudy sky / Calm	
17.09.2024	18.09.2024	78	28	8	BDL	Clear sky / Calm	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		100	60	80	80		

TATARWADA VILLAGE KSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02.09.2024	03.09.2024	80	30	8	BDL	Cloudy sky / Calm	
17.09.2024	18.09.2024	82	32	9	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

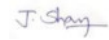
JAMUNBADA DARBAR VILLAGE KSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
02.09.2024	03.09.2024	76	26	8	BDL	Cloudy sky / Calm	
17.09.2024	18.09.2024	72	22	7	BDL	Clear sky / Calm	
NAAQS, 2009		100	60	80	80		

STORE KSUA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
02.09.2024	03.09.2024	260	150	52	14	12	Cloudy sky / Calm
17.09.2024	18.09.2024	245	146	48	12	10	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

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		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-09-24 TO 15-10-24	

MINE WATER DISCHARGE: KSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03.09.2024	7.89	34	48	BDL
26.09.2024	8.19	32	40	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 PRSEPTOCOL 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
SEPT'24	12.09.2024	49.2	45.4
SEPT'24	25.09.2024	44.2	41.4
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
SEPT'24	12.09.2024	46.8	43.6
SEPT'24	25.09.2024	43.1	42.0
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
SEPT'24	12.09.2024	47.9	44.5
SEPT'24	25.09.2024	42.3	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

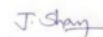
TEST REPORT NO.	RIN/TR/SEPT-24/74	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

WORKSHOP KTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.09.2024	07.09.2024	5	5	2	6	10	Cloudy sky / Calm
20.09.2024	21.09.2024	255	148	55	14	12	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		238	132	38	12	11	
		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	
06.09.2024	07.09.2024	5	5	2	6	10	Cloudy sky / Calm
20.09.2024	21.09.2024	248	142	44	12	11	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		239	136	38	11	10	
		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		
06.09.2024	07.09.2024	5	2	6	10	Cloudy sky / Calm	
20.09.2024	21.09.2024	84	34	9	BDL	Clear sky / Calm	
NAAQS, 2009		78	28	7	BDL		
		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		
06.09.2024	07.09.2024	5	2	6	10	Cloudy sky / Calm	
20.09.2024	21.09.2024	80	30	9	BDL	Clear sky / Calm	
NAAQS, 2009		76	26	8	BDL		
		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 :	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: KTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.09.2024	8.02	26	36	BDL
20.09.2024	8.22	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

J. Gang

Analysed by

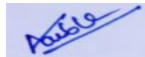
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRSEPTOCOL 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	20
SEPT'24	12.09.2024	64.4	62.2
SEPT'24	25.09.2024	65.1	63.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(TANDSI):		KTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'24	12.09.2024	49.6	45.8
SEPT'24	25.09.2024	43.4	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

AREA HOSPITAL

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

AREA HOSPITAL PKSUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
07.09.2024	08.09.2024	69	30	13	BDL	RAINY / CALM
23.09.2024	24.09.2024	83	37	15	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	

AGM OFFICE PKSUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
07.09.2024	08.09.2024	73	31	13	BDL	RAINY / CALM
22.09.2024	23.09.2024	84	40	16	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80	

PATHAKHERA COLONY PKSUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
07.09.2024	08.09.2024	71	30	15	BDL	RAINY / CALM
22.09.2024	23.09.2024	92	39	17	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

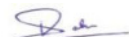
Sarni Mine Premises:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'24	08.09.2024	60.3	59.3
SEPT'24	22.09.2024	60.3	59.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SARNI):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'24	08.09.2024	45.7	43.2
SEPT'24	22.09.2024	45.3	43.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

AREA HOSPITAL		PKSUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'24	08.09.2024	44.4	42.1
SEPT'24	22.09.2024	44.2	42.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/75	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

SUBSTATION- CHATTARPUR I UG PKCUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM ₅	PM ₁₀ ₅	PM _{2.5} ₂	NO ₂ ₆	SO ₂ ₁₀	
07.09.2024	08.09.2024	251	172	54	18	BDL	RAINY / CALM
21.09.2024	22.09.2024	349	239	63	22	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE PKCUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM ₅	PM ₁₀ ₅	PM _{2.5} ₂	NO ₂ ₆	SO ₂ ₁₀	
07.09.2024	08.09.2024	266	181	54	20	BDL	RAINY / CALM
21.09.2024	22.09.2024	322	228	62	23	11	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

REGIONAL WORKSHOP PKCUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀ ₅	PM _{2.5} ₂	NO ₂ ₆	SO ₂ ₁₀		
07.09.2024	08.09.2024	69	31	13	BDL	RAINY / CALM	
21.09.2024	22.09.2024	83	38	16	BDL	CLEAR / CALM	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		100	60	80	80		

CHATTARPUR VILLAGE PKCUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀ ₅	PM _{2.5} ₂	NO ₂ ₆	SO ₂ ₁₀		
07.09.2024	08.09.2024	70	33	13	BDL	RAINY / CALM	
21.09.2024	22.09.2024	84	40	15	BDL	CLEAR / CALM	
		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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE-I UG:		PKCUW1			
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS				
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)	TDS -mg/l
DETECTION LIMIT	2	10	4	2	25
08.09.2024	8.11	42	36	BDL	492
24.09.2024	8.10	52	28	BDL	532
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10	2000



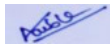
Analysed by

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

NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-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
SEPT'24	08.09.2024	61.4	60.1
SEPT'24	22.09.2024	61.2	60.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/78	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-24 TO 15-10-24	

CANTEEN BUILDING II PKT2UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08.09.2024	09.09.2024	255	158	54	21	11	RAINY / CALM
22.09.2024	23.09.2024	327	241	62	24	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

SAM OFFICE PKTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08.09.2024	09.09.2024	273	176	55	20	10	RAINY / CALM
22.09.2024	23.09.2024	358	241	63	23	13	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

MPEB COLONY PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.09.2024	09.09.2024	71	32	15	BDL	RAINY / CALM	
23.09.2024	24.09.2024	86	40	17	BDL	CLEAR / CALM	
		100	60	80	80		

HIRA PALLA/BHAGAIKHAPA VILLAGE PKT2UA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.09.2024	09.09.2024	74	31	14	BDL	RAINY / CALM	
23.09.2024	24.09.2024	86	38	15	BDL	CLEAR / CALM	
		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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: PKTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.09.2024	8.00	52	28	BDL
24.09.2024	8.18	44	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

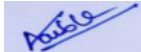
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

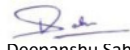
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		PKTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'24	08.09.2024	60.4	59.2
SEPT'24	22.09.2024	60.5	59.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PATHAKHERA COLONY(TAWA):		PKTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'24	08.09.2024	44.5	42.3
SEPT'24	22.09.2024	44.1	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/79	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

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	
08.09.2024	09.09.2024	257	164	54	20	11	RAINY / CALM
21.09.2024	22.09.2024	342	218	62	23	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

PIT OFFICE 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	
08.09.2024	09.09.2024	261	162	56	22	12	RAINY / CALM
21.09.2024	22.09.2024	338	231	62	24	14	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		600	300	-	120	120	

MPEB COLONY PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.09.2024	09.09.2024	71	32	15	BDL		RAINY / CALM
23.09.2024	24.09.2024	86	40	17	BDL		CLEAR / CALM
		100	60	80	80		

HIRA PALLA/BHAGAIKHAPA VILLAGE PKT2UA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
08.09.2024	09.09.2024	74	31	14	BDL		RAINY / CALM
23.09.2024	24.09.2024	86	38	15	BDL		CLEAR / CALM
		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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE:		PKTUW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.09.2024	8.00	42	40	BDL
24.09.2024	8.19	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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: PKTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	08.09.2024	61.4	60.1
SEPT'24	22.09.2024	61.2	60.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

PATHAKHERA COLONY(TAWA): PKTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	08.09.2024	44.5	42.3
SEPT'24	22.09.2024	44.1	42.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

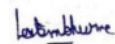
Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report			
TEST REPORT NO.		RIN/TR/SEPT-24/54		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (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 16-09-24 TO 15-10-24	

MANAGER OFFICE PBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.09.2024	11.09.2024	223	145	42	15	12	CLOUDY/LIGHT BREEZE
28.09.2024	29.09.2024	257	169	48	16	13	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

SAM OFFICE PBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.09.2024	11.09.2024	209	121	37	13	9	CLOUDY/LIGHT BREEZE
28.09.2024	29.09.2024	244	156	47	16	12	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHANDAMETA WORKSHOP PCWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.09.2024	11.09.2024	201	151	37	13	10	CLOUDY/LIGHT BREEZE
27.09.2024	28.09.2024	188	103	30	12	5	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

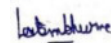
CENTRAL SCHOOL PBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
10.09.2024	11.09.2024	87	27	10	5		CLOUDY/LIGHT BREEZE
27.09.2024	28.09.2024	93	33	9	6		CLOUDY/LIGHT 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:	16-09-24 TO 15-10-24

ETP DISCHARGE:		PBOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.09.2024	8.08	24	32	BDL
28.09.2024	8.20	28	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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-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
SEPT'24	09.09.2024	45.9	44.7
SEPT'24	27.09.2024	45.5	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

BG SIDING

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2024

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/59a	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MANAGER OFFICE PBGSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12.09.2024	13.09.2024	258	179	41	14	11	CLOUDY/LIGHT BREEZE
28.09.2024	29.09.2024	287	193	49	16	13	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHECK POST PBGSA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
13.09.2024	14.09.2024	277	192	44	16	12	CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	301	213	52	17	14	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02.09.2024	03.09.2024	75	24	8	BDL		CLOUDY/LIGHT BREEZE
17.09.2024	18.09.2024	82	29	9	BDL		CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02.09.2024	03.09.2024	83	28	9	BDL		CLOUDY/LIGHT BREEZE
17.09.2024	18.09.2024	77	24	8	BDL		CLOUDY/LIGHT BREEZE
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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE		PBGSN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	09.09.2024	46.2	45.4
SEPT'24	27.09.2024	45.9	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SUBSTATION		PBGSN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	09.09.2024	45.9	44.2
SEPT'24	27.09.2024	45.4	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

COLONY GUEST HOUSE PARASIA		PMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	09.09.2024	45.8	43.7
SEPT'24	27.09.2024	45.4	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

CHINDA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/56	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

SAM OFFICE PCOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.09.2024	10.09.2024	254	182	45	15	12	CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	277	193	49	16	14	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHINDA OC - SITE PCOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.09.2024	10.09.2024	222	152	41	14	10	CLOUDY/LIGHT BREEZE
27.09.2024	28.09.2024	252	174	38	16	13	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04.09.2024	05.09.2024	77	28	8	BDL	CLOUDY/LIGHT BREEZE	
05.09.2024	06.09.2024	62	23	7	BDL	CLOUDY/LIGHT BREEZE	
11.09.2024	12.09.2024	70	27	8	BDL	CLOUDY/LIGHT BREEZE	
12.09.2024	13.09.2024	79	25	8	BDL	CLOUDY/LIGHT BREEZE	
18.09.2024	19.09.2024	85	29	9	BDL	CLOUDY/LIGHT BREEZE	
19.09.2024	20.09.2024	61	18	7	BDL	CLOUDY/LIGHT BREEZE	
22.09.2024	23.09.2024	74	22	8	BDL	CLOUDY/LIGHT BREEZE	
25.09.2024	26.09.2024	79	26	9	BDL	CLOUDY/LIGHT BREEZE	
26.09.2024	27.09.2024	73	20	8	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

CHINDA COLONY PNSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04.09.2024	05.09.2024	82	28	9	BDL	CLOUDY/LIGHT BREEZE	
05.09.2024	06.09.2024	64	22	7	BDL	CLOUDY/LIGHT BREEZE	
11.09.2024	12.09.2024	78	24	8	BDL	CLOUDY/LIGHT BREEZE	
12.09.2024	13.09.2024	70	20	8	BDL	CLOUDY/LIGHT BREEZE	
18.09.2024	19.09.2024	79	24	9	BDL	CLOUDY/LIGHT BREEZE	
19.09.2024	20.09.2024	66	17	7	BDL	CLOUDY/LIGHT BREEZE	
22.09.2024	23.09.2024	82	29	9	BDL	CLOUDY/LIGHT BREEZE	
25.09.2024	26.09.2024	71	23	8	BDL	CLOUDY/LIGHT BREEZE	
26.09.2024	27.09.2024	79	25	9	BDL	CLOUDY/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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE:		PCOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.09.2024	8.06	22	32	BDL
19.09.2024	8.02	26	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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PCON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	46.2	45.9
SEPT'24	27.09.2024	46.4	44.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	45.9	44.8
SEPT'24	27.09.2024	45.4	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

CHANDAMETA WORKSHOP

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2024

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/55	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

CHANDAMETA WORKSHOP					PCWA1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.09.2024	11.09.2024	201	151	37	13	10	CLOUDY/LIGHT BREEZE
27.09.2024	28.09.2024	188	103	30	12	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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:	16-09-24 TO 15-10-24

ETP DISCHARGE: PCWW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.09.2024	8.13	28	36	BDL
28.09.2024	8.15	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	
--	-------------	---

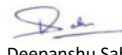
NOISE LEVEL MONITORING DATA

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

NEAR CHANDAMETA WORKSHOP: PCWN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	46.2	44.9
SEPT'24	27.09.2024	45.9	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/66a	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

CHARUN KHAPA PDUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03.09.2024	04.09.2024	65	18	8	BDL	CLOUDY/LIGHT BREEZE
20.09.2024	21.09.2024	76	25	9	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

BANKI VILLAGE PDUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03.09.2024	04.09.2024	70	24	9	BDL	CLOUDY/LIGHT BREEZE
20.09.2024	21.09.2024	83	29	10	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

MANAGER OFFICE PDUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
03.09.2024	04.09.2024	262	184	44	15	11
20.09.2024	21.09.2024	287	196	49	16	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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:	16-09-24 TO 15-10-24

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
03.09.2024	7.85	26	36	BDL
20.09.2024	8.01	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	
---	-------------	--

NOISE LEVEL MONITORING DATA

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

BHUMKADHANA VILLAGE		PDUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	09.09.2024	44.4	42.8
SEPT'24	27.09.2024	44.4	43.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

MANAGER OFFICE		PDUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	09.09.2024	47.9	45.6
SEPT'24	27.09.2024	46.2	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SUBSTATION		PDUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	09.09.2024	47.8	45.5
SEPT'24	27.09.2024	46.9	45.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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

EDC SIDING

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/59b	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MANAGER OFFICE PEDCA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
13.09.2024	14.09.2024	261	183	41	14	10	CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	288	199	48	16	14	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHECK POST PEDCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
13.09.2024	14.09.2024	283	198	50	16	13	CLOUDY/LIGHT BREEZE
29.09.2024	30.09.2024	318	223	55	17	15	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02.09.2024	03.09.2024	75	24	8	BDL		CLOUDY/LIGHT BREEZE
17.09.2024	18.09.2024	82	29	9	BDL		CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02.09.2024	03.09.2024	83	28	9	BDL		CLOUDY/LIGHT BREEZE
17.09.2024	18.09.2024	77	24	8	BDL		CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		



Analysed by

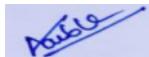
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE		PEDCN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	09.09.2024	47.4	45.9
SEPT'24	27.09.2024	46.2	45.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY GUEST HOUSE PARASIA		PMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEPT'24	09.09.2024	45.8	43.7
SEPT'24	27.09.2024	45.4	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

JAMUNIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/58	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MANAGER OFFICE PJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.09.2024	07.09.2024	195	132	35	12	BDL	CLOUDY/LIGHT BREEZE
21.09.2024	22.09.2024	177	102	32	10	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

SUBSTATION PJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.09.2024	07.09.2024	212	153	39	13	10	CLOUDY/LIGHT BREEZE
21.09.2024	22.09.2024	189	121	35	12	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

JAMUNIA VILLAGE PJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
03.09.2024	04.09.2024	77	21	9	BDL	CLOUDY/LIGHT BREEZE	
20.09.2024	21.09.2024	85	27	8	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04.09.2024	05.09.2024	73	22	8	BDL	CLOUDY/LIGHT BREEZE	
05.09.2024	06.09.2024	64	17	7	BDL	CLOUDY/LIGHT BREEZE	
11.09.2024	12.09.2024	80	26	8	BDL	CLOUDY/LIGHT BREEZE	
12.09.2024	13.09.2024	70	20	8	BDL	CLOUDY/LIGHT BREEZE	
18.09.2024	19.09.2024	86	28	9	BDL	CLOUDY/LIGHT BREEZE	
19.09.2024	20.09.2024	62	18	7	BDL	RAINY/LIGHT BREEZE	
22.09.2024	23.09.2024	77	22	8	BDL	CLOUDY/LIGHT BREEZE	
25.09.2024	26.09.2024	83	27	8	BDL	CLOUDY/LIGHT BREEZE	
26.09.2024	27.09.2024	74	24	9	BDL	CLOUDY/LIGHT BREEZE	
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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-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
SEPT'24	09.09.2024	44.9	43.7
SEPT'24	27.09.2024	45.7	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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

MAHADEOPURI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/59	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MANAGER OFFICE PMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02.09.2024	03.09.2024	274	189	49	15	12	CLOUDY/LIGHT BREEZE
17.09.2024	18.09.2024	301	214	52	16	14	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

LAMP ROOM PMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02.09.2024	03.09.2024	294	221	47	14	10	CLOUDY/LIGHT BREEZE
17.09.2024	18.09.2024	322	234	53	16	12	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02.09.2024	03.09.2024	75	24	8	BDL	CLOUDY/LIGHT BREEZE	
17.09.2024	18.09.2024	82	29	9	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02.09.2024	03.09.2024	83	28	9	5	CLOUDY/LIGHT BREEZE	
17.09.2024	18.09.2024	77	24	8	4	CLOUDY/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:	16-09-24 TO 15-10-24

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
02.09.2024	7.96	26	40	BDL
17.09.2024	7.99	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

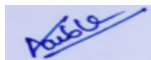
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7192
---	--------------------	--

NOISE LEVEL MONITORING DATA

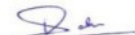
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE: PMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	69.2	68.1
SEPT'24	27.09.2024	69.7	67.4
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
SEPT'24	09.09.2024	45.8	43.7
SEPT'24	27.09.2024	45.4	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/60	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-24 TO 15-10-24	

SAM OFFICE PNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.09.2024	05.09.2024	267	185	38	14	10	CLOUDY/LIGHT BREEZE
18.09.2024	19.09.2024	288	196	45	16	13	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

LAMP ROOM/ SUBSTATION PNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.09.2024	06.09.2024	281	193	40	15	11	CLOUDY/LIGHT BREEZE
19.09.2024	20.09.2024	314	210	52	16	13	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
11.09.2024	12.09.2024	71	19	7	BDL		CLOUDY/LIGHT BREEZE
25.09.2024	26.09.2024	88	27	9	BDL		CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04.09.2024	05.09.2024	73	22	8	BDL		CLOUDY/LIGHT BREEZE
05.09.2024	06.09.2024	64	17	7	BDL		CLOUDY/LIGHT BREEZE
11.09.2024	12.09.2024	80	26	8	BDL		CLOUDY/LIGHT BREEZE
12.09.2024	13.09.2024	70	20	8	BDL		CLOUDY/LIGHT BREEZE
18.09.2024	19.09.2024	86	28	9	BDL		CLOUDY/LIGHT BREEZE
19.09.2024	20.09.2024	62	18	7	BDL		CLOUDY/LIGHT BREEZE
22.09.2024	23.09.2024	77	22	8	BDL		CLOUDY/LIGHT BREEZE
25.09.2024	26.09.2024	83	27	8	BDL		CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	74	24	9	BDL		CLOUDY/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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: PNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.09.2024	8.2	18	28	BDL
19.09.2024	8.15	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: PNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.09.2024	8.22	24	32	BDL
19.09.2024	8.35	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

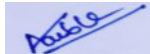
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-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	20
SEPT'24	09.09.2024	69.2	68.1
SEPT'24	27.09.2024	69.9	68.2
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	20
SEPT'24	09.09.2024	45.7	44.4
SEPT'24	27.09.2024	45.4	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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

NEW SETHIA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2024

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/61	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

NEW SETHIA OC SITE		PNSOA1				
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
09.09.2024	10.09.2024	243	166	32	10	BDL
27.09.2024	28.09.2024	268	185	39	14	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120

SAM OFFICE		PCOA1				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
08.09.2024	09.09.2024	269	182	42	15	12
24.09.2024	25.09.2024	237	144	38	13	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120

CHINDA VILLAGE		PCOA3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.09.2024	05.09.2024	77	28	8	BDL	CLOUDY/LIGHT BREEZE
05.09.2024	06.09.2024	62	23	7	BDL	CLOUDY/LIGHT BREEZE
11.09.2024	12.09.2024	70	27	8	BDL	CLOUDY/LIGHT BREEZE
12.09.2024	13.09.2024	79	25	8	BDL	CLOUDY/LIGHT BREEZE
18.09.2024	19.09.2024	85	29	9	BDL	CLOUDY/LIGHT BREEZE
19.09.2024	20.09.2024	61	18	7	BDL	CLOUDY/LIGHT BREEZE
22.09.2024	23.09.2024	74	22	8	BDL	CLOUDY/LIGHT BREEZE
25.09.2024	26.09.2024	79	26	9	BDL	CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	73	20	8	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

CHINDA COLONY		PNSOA2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.09.2024	05.09.2024	82	28	9	BDL	CLOUDY/LIGHT BREEZE
05.09.2024	06.09.2024	64	22	7	BDL	CLOUDY/LIGHT BREEZE
11.09.2024	12.09.2024	78	24	8	BDL	CLOUDY/LIGHT BREEZE
12.09.2024	13.09.2024	70	20	8	BDL	CLOUDY/LIGHT BREEZE
18.09.2024	19.09.2024	79	24	9	BDL	CLOUDY/LIGHT BREEZE
19.09.2024	20.09.2024	66	17	7	BDL	CLOUDY/LIGHT BREEZE
22.09.2024	23.09.2024	82	29	9	BDL	CLOUDY/LIGHT BREEZE
25.09.2024	26.09.2024	71	23	8	BDL	CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	79	25	9	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

lab signature

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:	16-09-24 TO 15-10-24

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
05.09.2024	8.21	26	36	BDL
19.09.2024	8.09	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

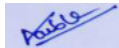
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

NEAR MANAGER OFFICE: PSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	45.8	44.4
SEPT'24	27.09.2024	45.9	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	45.9	44.8
SEPT'24	27.09.2024	45.4	43.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/62	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

SITE OFFICE PSOA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
08.09.2024	09.09.2024	269	182	42	15	12
24.09.2024	25.09.2024	237	144	38	13	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVEMBER 2000		600	300	-	120	120

SHIVPURI WEIGH BRIDGE PSOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
08.09.2024	09.09.2024	287	193	48	16	13
24.09.2024	25.09.2024	256	169	40	14	11
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVEMBER 2000		600	300	-	120	120

SUBSTATION PV2UA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂
FROM	TO	5	5	2	6	10
08.09.2024	09.09.2024	297	214	49	16	13
24.09.2024	25.09.2024	263	182	41	14	10
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVEMBER 2000		600	300	-	120	120

COLONY GUEST HOUSE SHIVPURI PSOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
08.09.2024	09.09.2024	78	23	8	BDL	CLOUDY/LIGHT BREEZE
22.09.2024	23.09.2024	83	29	9	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

CHINDA VILLAGE PCOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
04.09.2024	05.09.2024	77	28	8	BDL	CLOUDY/LIGHT BREEZE
05.09.2024	06.09.2024	62	23	7	BDL	CLOUDY/LIGHT BREEZE
11.09.2024	12.09.2024	70	27	8	BDL	CLOUDY/LIGHT BREEZE
12.09.2024	13.09.2024	79	25	8	BDL	CLOUDY/LIGHT BREEZE
18.09.2024	19.09.2024	85	29	9	BDL	CLOUDY/LIGHT BREEZE
19.09.2024	20.09.2024	61	18	7	BDL	CLOUDY/LIGHT BREEZE
22.09.2024	23.09.2024	74	22	8	BDL	CLOUDY/LIGHT BREEZE
25.09.2024	26.09.2024	79	26	9	BDL	CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	73	20	8	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



Analysed by

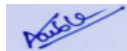
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	-------------	--

NOISE LEVEL MONITORING DATA

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

NEAR MANAGER OFFICE: PSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	45.8	44.4
SEPT'24	27.09.2024	45.8	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PSON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	45.9	44.1
SEPT'24	27.09.2024	45.6	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014
AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/63	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MATHANI VILLAGE PTUA1						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.09.2024	08.09.2024	63	18	7	BDL	CLOUDY/LIGHT BREEZE
23.09.2024	24.09.2024	79	25	8	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

SAM OFFICE PTUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
07.09.2024	08.09.2024	277	184	46	16	CLOUDY/LIGHT BREEZE
23.09.2024	24.09.2024	251	163	40	14	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120

MANAGER OFFICE- MATHANI PTUA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	
07.09.2024	08.09.2024	289	202	48	16	CLOUDY/LIGHT BREEZE
23.09.2024	24.09.2024	312	228	53	17	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120

JHURE COLONY- FILTER PLANT PTUA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.09.2024	08.09.2024	88	24	10	5	CLOUDY/LIGHT BREEZE
23.09.2024	24.09.2024	62	17	7	3	CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: PTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.09.2024	8.13	24	40	BDL
23.09.2024	8.06	22	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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE-MATHANI: PTUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	69.1	68.2
SEPT'24	27.09.2024	69.2	67.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MATHANI COLONY: PTUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	45.4	44.1
SEPT'24	27.09.2024	45.4	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	50



Amol Kamble
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

URDHAN OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/64	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-09-24 TO 15-10-24	

URDHAN MANAGER OFFICE PUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.09.2024	07.09.2024	272	192	38	14	11	CLOUDY/LIGHT BREEZE
21.09.2024	22.09.2024	321	224	55	17	14	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

COAL STOCK YARD PUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.09.2024	07.09.2024	294	213	45	16	13	CLOUDY/LIGHT BREEZE
21.09.2024	22.09.2024	335	247	58	18	15	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
11.09.2024	12.09.2024	71	19	7	BDL	CLOUDY/LIGHT BREEZE	
25.09.2024	26.09.2024	88	27	9	BDL	CLOUDY/LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04.09.2024	05.09.2024	73	22	8	BDL	CLOUDY/LIGHT BREEZE	
05.09.2024	06.09.2024	64	17	7	BDL	CLOUDY/LIGHT BREEZE	
11.09.2024	12.09.2024	80	26	8	BDL	CLOUDY/LIGHT BREEZE	
12.09.2024	13.09.2024	70	20	8	BDL	CLOUDY/LIGHT BREEZE	
18.09.2024	19.09.2024	86	28	9	BDL	CLOUDY/LIGHT BREEZE	
19.09.2024	20.09.2024	62	18	7	BDL	CLOUDY/LIGHT BREEZE	
22.09.2024	23.09.2024	77	22	8	BDL	CLOUDY/LIGHT BREEZE	
25.09.2024	26.09.2024	83	27	8	BDL	CLOUDY/LIGHT BREEZE	
26.09.2024	27.09.2024	74	24	9	BDL	CLOUDY/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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE:		PUOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.09.2024	8.14	26	32	BDL
21.09.2024	8.16	22	36	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
06.09.2024	8.12	22	32	BDL
21.09.2024	8.17	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

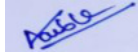
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

MANAGER OFFICE: PUON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	47.2	46.1
SEPT'24	27.09.2024	47.6	46.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

URDHAN VILLAGE PUON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	45.4	44.2
SEPT'24	27.09.2024	45.6	44.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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



SEPTEMBER 2024

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/SEPT-24/66	DATE OF ISSUE	25.10.2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

SAM OFFICE PV1UA1							
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	
08.09.2024	09.09.2024	277	192	44	14	10	CLOUDY/LIGHT BREEZE
24.09.2024	25.09.2024	257	163	38	13	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

SUBSTATION PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08.09.2024	09.09.2024	297	214	49	16	13	CLOUDY/LIGHT BREEZE
24.09.2024	25.09.2024	263	182	41	14	10	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
02.09.2024	03.09.2024	75	24	8	BDL		CLOUDY/LIGHT BREEZE
17.09.2024	18.09.2024	82	29	9	BDL		CLOUDY/LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

CHINDA VILLAGE PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
FROM	TO	5	2	6	10		
04.09.2024	05.09.2024	77	28	8	BDL		CLOUDY/LIGHT BREEZE
05.09.2024	06.09.2024	62	23	7	BDL		CLOUDY/LIGHT BREEZE
11.09.2024	12.09.2024	70	27	8	BDL		CLOUDY/LIGHT BREEZE
12.09.2024	13.09.2024	79	25	8	BDL		CLOUDY/LIGHT BREEZE
18.09.2024	19.09.2024	85	29	9	BDL		CLOUDY/LIGHT BREEZE
19.09.2024	20.09.2024	61	18	7	BDL		CLOUDY/LIGHT BREEZE
22.09.2024	23.09.2024	74	22	8	BDL		CLOUDY/LIGHT BREEZE
25.09.2024	26.09.2024	79	26	9	BDL		CLOUDY/LIGHT BREEZE
26.09.2024	27.09.2024	73	20	8	BDL		CLOUDY/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:	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: PV2UW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.09.2024	8.20	28	44	BDL
24.09.2024	7.89	22	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



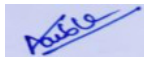
Analysed by

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

NOISE LEVEL MONITORING DATA

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

FAN HOUSE UG-II: PV2UN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	09.09.2024	69.2	67.7
SEPT'24	27.09.2024	68.7	67.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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

DINESH OCP

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



SEPTEMBER 2024



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

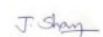
TEST REPORT NO.	RIN/TR/SEPT-24/11	DATE OF ISSUE	25-10-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

MANAGER OFFICE UM30A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-09-2024	03-09-2024	275	158	52	14	12	Cloudy sky / Calm
17-09-2024	18-09-2024	259	149	48	12	10	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR RLY. WEIGHT BRIDGE					UM30A2		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-09-2024	03-09-2024	289	170	59	16	14	
17-09-2024	18-09-2024	265	166	50	15	13	
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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-09-2024	02-09-2024	88	32	10	<10	Clear sky /Calm
02-09-2024	03-09-2024	78	28	8	<10	Clear sky /Calm
07-09-2024	08-09-2024	82	30	9	<10	Clear sky /Calm
08-09-2024	09-09-2024	84	34	9	<10	Clear sky /Calm
13-09-2024	14-09-2024	76	25	7	<10	Clear sky /Calm
16-09-2024	17-09-2024	86	36	9	<10	Clear sky /Calm
17-09-2024	18-09-2024	79	30	7	<10	Clear sky /Calm
22-09-2024	23-09-2024	87	28	8	<10	Clear sky /Calm
23-09-2024	24-09-2024	83	29	7	<10	Clear sky /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)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-09-2024	02-09-2024	75	27	7	<10	Clear sky /Calm
02-09-2024	03-09-2024	83	31	9	<10	Clear sky /Calm
07-09-2024	08-09-2024	87	30	10	<10	Clear sky /Calm
08-09-2024	09-09-2024	73	26	6	<10	Clear sky /Calm
13-09-2024	14-09-2024	76	26	7	<10	Clear sky /Calm
16-09-2024	17-09-2024	85	31	9	<10	Clear sky /Calm
17-09-2024	18-09-2024	74	29	6	<10	Clear sky /Calm
22-09-2024	23-09-2024	88	30	9	<10	Clear sky /Calm
23-09-2024	24-09-2024	86	35	10	<10	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 : 16-09-24 TO 15-10-24

MINE WATER DISCHARGE: UM3OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-09-2024	7.99	32	44	BDL
17-09-2024	8.06	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM3OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-09-2024	7.75	26	32	BDL
17-09-2024	7.85	28	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

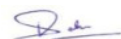
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE		UGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'24	10-09-2024	61.2	57.8
SEPT'24	21-09-2024	62.4	59.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

HEOTI VILLAGE:		UM1ON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEPT'24	10-09-2024	48.7	43.2
SEPT'24	21-09-2024	47.2	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

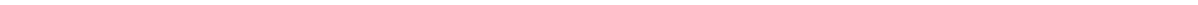


Environment Laboratory

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/SEPT-24/12	DATE OF ISSUE	25-10-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

CONTRACTOR CAMP UGOA1						
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
03-09-2024	04-09-2024	245	135	48	13	12
18-09-2024	19-09-2024	259	146	50	12	11
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	
03-09-2024	04-09-2024	75	26	7	<10	Clear sky / Calm
04-09-2024	05-09-2024	78	28	6	<10	Clear sky / Calm
09-09-2024	10-09-2024	80	30	9	<10	Clear sky / Calm
10-09-2024	11-09-2024	83	31	10	<10	Clear sky / Calm
18-09-2024	19-09-2024	77	27	8	<10	Clear sky / Calm
19-09-2024	20-09-2024	85	33	9	<10	Clear sky / Calm
24-09-2024	25-09-2024	76	28	6	<10	Clear sky / Calm
25-09-2024	26-09-2024	81	30	9	<10	Clear sky / Calm
28-09-2024	29-09-2024	73	23	6	<10	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

NAND VILLAGE UGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-09-2024	04-09-2024	80	32	9	<10	Clear sky / Calm
04-09-2024	05-09-2024	74	28	7	<10	Clear sky / Calm
09-09-2024	10-09-2024	77	26	8	<10	Clear sky / Calm
10-09-2024	11-09-2024	86	34	10	<10	Clear sky / Calm
18-09-2024	19-09-2024	79	30	7	<10	Clear sky / Calm
19-09-2024	20-09-2024	87	35	8	<10	Clear sky / Calm
24-09-2024	25-09-2024	73	26	6	<10	Clear sky / Calm
25-09-2024	26-09-2024	78	28	8	<10	Clear sky / Calm
28-09-2024	29-09-2024	89	36	10	<10	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

POLGAON VILLAGE			UGOA4			
DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-09-2024	04-09-2024	72	23	6	<10	Clear sky / Calm
04-09-2024	05-09-2024	80	31	9	<10	Clear sky / Calm
09-09-2024	10-09-2024	75	27	8	<10	Clear sky / Calm
10-09-2024	11-09-2024	83	30	9	<10	Clear sky / Calm
18-09-2024	19-09-2024	77	28	7	<10	Clear sky / Calm
19-09-2024	20-09-2024	89	34	10	<10	Clear sky / Calm
24-09-2024	25-09-2024	81	31	8	<10	Clear sky / Calm
25-09-2024	26-09-2024	76	31	7	<10	Clear sky / Calm
28-09-2024	29-09-2024	79	29	9	<10	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

NEAR VIEW POINT				UGOA5			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
03-09-2024	04-09-2024	277	170	57	14	12	Cloudy sky / Calm
18-09-2024	19-09-2024	269	163	51	13	11	Cloudy sky / Calm
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	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: 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 :	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: UGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-09-2024	7.97	30	40	BDL
18-09-2024	8.26	32	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): UGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-09-2024	7.71	24	36	BDL
18-09-2024	8.11	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 PROTOCOL 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
SEPT'24	10-09-2024	62.5	58.5
SEPT'24	21-09-2024	63.1	59.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CONTRACTOR CAMP: UGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10-09-2024	64.4	60.9
SEPT'24	21-09-2024	63.2	60.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

POLGAON VILLAGE: UGON3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10-09-2024	47.1	42.7
SEPT'24	21-09-2024	46.4	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

\

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/SEPT-24/14	DATE OF ISSUE	25-10-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

NEAR MANAGER OFFICE				UMOA1			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
01-09-2024	02-09-2024	255	152	50	14	12	Cloudy sky / Calm
16-09-2024	17-09-2024	268	163	57	15	13	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE				UMOA2			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-09-2024	03-09-2024	271	172	56	14	12	Cloudy sky / Calm
17-09-2024	18-09-2024	285	180	59	16	14	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE				UVOA3		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-09-2024	04-09-2024	88	35	10	<10	Clear sky / Calm
04-09-2024	05-09-2024	78	30	8	<10	Clear sky / Calm
09-09-2024	10-09-2024	86	34	9	<10	Clear sky / Calm
10-09-2024	11-09-2024	82	30	8	<10	Clear sky / Calm
18-09-2024	19-09-2024	73	28	7	<10	Clear sky / Calm
19-09-2024	20-09-2024	83	29	9	<10	Clear sky / Calm
24-09-2024	25-09-2024	75	24	6	<10	Clear sky / Calm
25-09-2024	26-09-2024	85	32	9	<10	Clear sky / Calm
28-09-2024	29-09-2024	79	29	8	<10	Clear sky / Calm
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY				UUOA4		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
03-09-2024	04-09-2024	85	31	8	<10	Clear sky / Calm
04-09-2024	05-09-2024	77	25	7	<10	Clear sky / Calm
09-09-2024	10-09-2024	89	32	9	<10	Clear sky / Calm
10-09-2024	11-09-2024	72	23	6	<10	Clear sky / Calm
18-09-2024	19-09-2024	84	30	8	<10	Clear sky / Calm
19-09-2024	20-09-2024	80	31	7	<10	Clear sky / Calm
24-09-2024	25-09-2024	74	32	8	<10	Clear sky / Calm
25-09-2024	26-09-2024	83	33	9	<10	Clear sky / Calm
28-09-2024	29-09-2024	73	25	6	<10	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, JUNE-2015
SAMPLING METHOD	LSOP 6

NEAR PIT OFFICE: UMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20	20
SEPT'24	10-09-2024	64.3	58.7
SEPT'24	21-09-2024	65.2	60.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



Amol Kamble
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



SEPTEMBER 2024

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/SEPT-24/34	DATE OF ISSUE	25-10-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-24 TO 15-10-24

PIT OFFICE			UM10A1				
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	
01-09-2024	02-09-2024	280	171	75	16	13	Cloudy sky / Calm
16-09-2024	17-09-2024	295	185	55	15	12	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

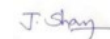
KALMANA VILLAGE		UM10A2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2024	02-09-2024	77	27	9	<10	Clear sky /Calm
02-09-2024	03-09-2024	71	26	9	<10	Clear sky /Calm
07-09-2024	08-09-2024	64	22	7	<10	Clear sky /Calm
08-09-2024	09-09-2024	73	25	8	<10	Clear sky /Calm
13-09-2024	14-09-2024	81	32	9	<10	Clear sky /Calm
16-09-2024	17-09-2024	83	34	11	10	Clear sky /Calm
17-09-2024	18-09-2024	80	30	8	<10	Clear sky /Calm
22-09-2024	23-09-2024	85	35	10	10	Clear sky /Calm
23-09-2024	24-09-2024	87	27	11	<10	Clear sky /Calm
NAAQS, 2009		100	60	80	80	

SIRPUR VILLAGE		UM10A3				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
01-09-2024	02-09-2024	72	25	9	<10	Clear sky /Calm
02-09-2024	03-09-2024	78	27	8	<10	Clear sky /Calm
07-09-2024	08-09-2024	81	30	6	<10	Clear sky /Calm
08-09-2024	09-09-2024	83	30	9	<10	Clear sky /Calm
13-09-2024	14-09-2024	88	35	11	<10	Clear sky /Calm
16-09-2024	17-09-2024	90	37	12	10	Clear sky /Calm
17-09-2024	18-09-2024	83	33	10	<10	Clear sky /Calm
22-09-2024	23-09-2024	88	35	11	<10	Clear sky /Calm
23-09-2024	24-09-2024	90	37	12	<10	Clear sky /Calm
NAAQS, 2009		100	60	80	80	

KHURSAPUR VILLAGE		UM10A4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-09-2024	02-09-2024	82	31	9	<10	Clear sky /Calm
02-09-2024	03-09-2024	78	29	7	<10	Clear sky /Calm
07-09-2024	08-09-2024	84	35	10	<10	Clear sky /Calm
08-09-2024	09-09-2024	76	25	7	<10	Clear sky /Calm
13-09-2024	14-09-2024	86	34	10	<10	Clear sky /Calm
16-09-2024	17-09-2024	88	36	11	10	Clear sky /Calm
17-09-2024	18-09-2024	73	26	8	<10	Clear sky /Calm
22-09-2024	23-09-2024	81	31	9	<10	Clear sky /Calm
23-09-2024	24-09-2024	83	28	8	<10	Clear sky /Calm
NAAQS, 2009		100	60	80	80	

HEOTI VILLAGE		UM10A5				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	2	6	10	
01-09-2024	02-09-2024	62	21	6	<10	Clear sky /Calm
02-09-2024	03-09-2024	70	27	9	<10	Clear sky /Calm
07-09-2024	08-09-2024	65	24	8	<10	Clear sky /Calm
08-09-2024	09-09-2024	63	26	7	<10	Clear sky /Calm
13-09-2024	14-09-2024	71	24	8	<10	Clear sky /Calm
16-09-2024	17-09-2024	75	28	9	<10	Clear sky /Calm
17-09-2024	18-09-2024	70	26	8	<10	Clear sky /Calm
22-09-2024	23-09-2024	81	32	10	<10	Clear sky /Calm
23-09-2024	24-09-2024	83	29	8	<10	Clear sky /Calm
NAAQS, 2009		100	60	80	80	

SUBSTATION				UM10A6			
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
02-09-2024	03-09-2024	256	165	60	16	12	Cloudy sky / Calm
17-09-2024	18-09-2024	271	158	55	14	10	Cloudy sky / Calm
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	
---	--------------------	---

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 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 :	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: UM10W1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-09-2024	8.04	36	44	BDL
17-09-2024	7.8	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM10W2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-09-2024	7.72	26	32	BDL
17-09-2024	8.18	28	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, JUNE-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE: UM10N1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10-09-2024	65.6	59.8
SEPT'24	21-09-2024	67.5	62.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10-09-2024	47.5	42.8
SEPT'24	21-09-2024	46.1	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10-09-2024	48.7	43.2
SEPT'24	21-09-2024	47.2	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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

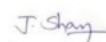
TEST REPORT NO.	RIN/TR/SEPT-24/15	DATE OF ISSUE	25-10-2024
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017),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

NEAR PIT OFFICE UMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-09-2024	05-09-2024	284	178	59	16	14	Cloudy sky / Calm
19-09-2024	20-09-2024	176	169	56	15	13	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR MAGAZINE BUILDING UMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04-09-2024	05-09-2024	155	150	50	13	12	Cloudy sky / Calm
19-09-2024	20-09-2024	269	163	52	14	13	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	14	120	

COLONY (MURPAR UG) UMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-09-2024	05-09-2024	78	27	8	<10	Cloudy sky / Calm	
19-09-2024	20-09-2024	75	25	7	<10	Cloudy sky / Calm	
NAAQS, 2009		100	60	80	80		

MORPAR VILLAGE UMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂		
04-09-2024	05-09-2024	82	31	9	<10	Cloudy sky / Calm	
19-09-2024	20-09-2024	80	29	8	<10	Cloudy sky / Calm	
NAAQS, 2009		100	60	80	80		



Analysed by

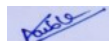
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

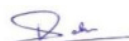
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		UMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
		20	20
SEPT'24	10-09-2024	49.5	43.9
SEPT'24	21-09-2024	47.1	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
		20	20
SEPT'24	10-09-2024	45.3	40.1
SEPT'24	21-09-2024	44.3	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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



SEPTEMBER 2024

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/SEPT-24/16		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 16-09-24 TO 15-10-24	

UMRER MANAGER OFFICE UUA01						
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
01-09-2024	02-09-2024	256	152	50	13	12
16-09-2024	17-09-2024	260	163	52	14	13
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

NEAR WORKSHOP UUA02						
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
01-09-2024	02-09-2024	275	172	55	15	13
16-09-2024	17-09-2024	285	179	58	16	14
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120

KANWA VILLAGE UUA03						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-09-2024	04-09-2024	88	35	10	<10	Clear sky / Calm
04-09-2024	05-09-2024	78	30	8	<10	Clear sky / Calm
09-09-2024	10-09-2024	86	34	9	<10	Clear sky / Calm
10-09-2024	11-09-2024	82	30	8	<10	Clear sky / Calm
18-09-2024	19-09-2024	73	28	7	<10	Clear sky / Calm
19-09-2024	20-09-2024	83	29	9	<10	Clear sky / Calm
24-09-2024	25-09-2024	75	24	6	<10	Clear sky / Calm
25-09-2024	26-09-2024	85	32	9	<10	Clear sky / Calm
28-09-2024	29-09-2024	79	29	8	<10	Clear sky / Calm

NEAR PUMP HOUSE COLONY UUA04						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03-09-2024	04-09-2024	85	31	8	<10	Clear sky / Calm
04-09-2024	05-09-2024	77	25	7	<10	Clear sky / Calm
09-09-2024	10-09-2024	89	32	9	<10	Clear sky / Calm
10-09-2024	11-09-2024	72	23	6	<10	Clear sky / Calm
18-09-2024	19-09-2024	84	30	8	<10	Clear sky / Calm
19-09-2024	20-09-2024	80	31	7	<10	Clear sky / Calm
24-09-2024	25-09-2024	74	32	8	<10	Clear sky / Calm
25-09-2024	26-09-2024	83	33	9	<10	Clear sky / Calm
28-09-2024	29-09-2024	73	25	6	<10	Clear sky / Calm

J. Singh
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 :	16-09-24 TO 15-10-24

MINE WATER DISCHARGE: UUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-09-2024	8.05	28	32	BDL
16-09-2024	7.95	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP:		UUOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-09-2024	7.8	24	28	BDL
16-09-2024	7.98	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: UUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
02-09-2024	32	10.6
16-09-2024	30	11.2
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

J. Shang

Analysed by

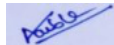
Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	
---	--------------------	---

NOISE LEVEL MONITORING DATA

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

CHP:		UUON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'24	10-09-2024	69.8	61.5
SEPT'24	21-09-2024	68.2	62.8
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
SEPT'24	10-09-2024	50.7	43.9
SEPT'24	21-09-2024	48.6	44.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Amol Kamble
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 *****