



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

## ENVIRONMENTAL MONITORING REPORT

# BALLARPUR OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
TEST REPORT NO.	RIN/TR/NOV-23/41	DATE OF ISSUE	30-12-23		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-11-23 TO 15-12-23	

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 <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
14-11-23	15-11-23	314	189	53	16	10	cloudy sky /light breeze
29-11-23	30-11-23	299	184	45	19	13	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 <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
13-11-23	14-11-23	240	147	38	15	BDL	cloudy sky /light breeze
29-11-23	30-11-23	278	165	46	16	10	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 <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
13-11-23	14-11-23	278	156	49	14	BDL	cloudy sky /light breeze
28-11-23	29-11-23	248	134	42	14	BDL	cloudy sky /light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

FILTER PLANT COLONY BBUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>		
13-11-23	14-11-23	85	32	12	BDL	cloudy sky /light breeze	
29-11-23	30-11-23	89	40	14	BDL	cloudy sky /light breeze	
NAAQS, 2009		100	60	80	80		

  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
13.11.2023	7.88	54	64	BDL
29.11.2023	7.57	40	60	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

<b>CHP: BBUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	14-11-23	64.8	63.9
NOV'23	28-11-23	63.5	62.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY BALLARPUR UG: BBUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	14-11-23	42.7	41.8
NOV'23	28-11-23	43.9	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### BALLARPUR UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

TEST REPORT NO.	RIN/TR/NOV-23/42	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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 <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23


MANAGER OFFICE- BALLARPUR UG		BBUA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
14-11-23	15-11-23	314	189	53	16	10	Cloudy sky /Light Breeze
29-11-23	30-11-23	299	184	45	19	13	Cloudy sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SUBSTATION		BBOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
13-11-23	14-11-23	240	147	38	15	BDL	cloudy sky /light breeze
29-11-23	30-11-23	278	165	46	16	10	cloudy sky /light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE		BBOA3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
13-11-23	14-11-23	278	156	49	14	BDL	Cloudy sky /Light Breeze
28-11-23	29-11-23	248	134	42	14	BDL	Cloudy sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

FILTER PLANT COLONY		BBUA4				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
13-11-23	14-11-23	85	32	12	BDL	Cloudy sky /Light Breeze
29-11-23	30-11-23	89	40	14	BDL	Cloudy sky /Light Breeze
NAAQS, 2009		100	60	80	80	

  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
13.11.2023	8.1	38	56	BDL
29.11.2023	8.03	46	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

<b>FAN HOUSE: BBUN1</b>		<b>NOISE LEVEL IN dB(A)</b>	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	14-11-23	69.6	68.7
NOV'23	28-11-23	68.8	67.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: BBUN2</b>		<b>NOISE LEVEL IN dB(A)</b>	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	14-11-23	42.7	41.8
NOV'23	28-11-23	43.9	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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





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

## ENVIRONMENTAL MONITORING REPORT

# GOURI-I & II (A) OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/44	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

MANAGER OFFICE-GOURI-I OC BGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
		5	5	2	6	10	
12-11-23	13-11-23	298	178	64	18	11	Cloudy sky /Light breeze
27-11-23	28-11-23	287	174	54	19	11	Cloudy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
		5	5	2	6	10	
12-11-23	13-11-23	270	159	52	16	10	Cloudy sky /Light breeze
27-11-23	28-11-23	259	164	44	16	10	Cloudy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT BSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>		
		5	2	6	10		
02-11-23	03-11-23	89	38	12	BDL	Cloudy sky /Light breeze	
03-11-23	04-11-23	92	46	14	BDL	Cloudy sky /Light breeze	
09-11-23	10-11-23	78	32	13	BDL	Cloudy sky /Light breeze	
10-11-23	11-11-23	80	41	11	BDL	Cloudy sky /Light breeze	
16-11-23	17-11-23	82	41	10	BDL	Cloudy sky /Light breeze	
17-11-23	18-11-23	78	32	14	BDL	Cloudy sky /Light breeze	
23-11-23	24-11-23	69	26	12	BDL	Cloudy sky /Light breeze	
24-11-23	25-11-23	74	30	14	BDL	Cloudy sky /Light breeze	
30-11-23	01-12-23	85	45	10	BDL	Cloudy sky /Light breeze	
NAAQS, 2009		100	60	80	80		

GOURI VILLAGE BGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>		
		5	2	6	10		
11-11-23	12-11-23	89	46	16	BDL	Cloudy sky /Light breeze	
26-11-23	27-11-23	80	39	14	BDL	Cloudy sky /Light breeze	
NAAQS, 2009		100	60	80	80		

  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
12-11-23	7.12	30	38	BDL
27-11-23	7.46	32	44	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
12-11-23	7.51	36	42	BDL
27-11-23	7.22	42	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

CHP: <b>BGON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	14-11-23	66.9	65.5
NOV'23	28-11-23	64.6	63.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

GOURI COLONY: <b>BSON2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	14-11-23	43.7	42.8
NOV'23	28-11-23	43.8	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### GOURI DEEP OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023



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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-7182
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/43	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

MANAGER OFFICE		BGDO1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>	
11-11-23	12-11-23	330	184	58	19	14	Cloudy Sky /Light Breeze
26-11-23	27-11-23	297	198	59	19	10	Cloudy Sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MUTRA VILLAGE		BGDO2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>		
10-11-23	11-11-23	79	34	12	BDL	BDL	Cloudy Sky /Light Breeze
25-11-23	26-11-23	87	30	12	BDL	BDL	Cloudy Sky /Light Breeze
NAAQS, 2009		100	60	80	80	80	

GOYEGAON VILLAGE		BGDO3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>		
11-11-23	12-11-23	72	36	10	BDL	BDL	Cloudy Sky /Light Breeze
26-11-23	27-11-23	75	28	10	BDL	BDL	Cloudy Sky /Light Breeze
NAAQS, 2009		100	60	80	80	80	

ANTARGAON VILLAGE		BGDO4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>		
10-11-23	11-11-23	81	40	14	BDL	BDL	Cloudy Sky /Light Breeze
25-11-23	26-11-23	65	29	12	BDL	BDL	Cloudy Sky /Light Breeze
NAAQS, 2009		100	60	80	80	80	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

<b>MINE WATER DISCHARGE: BGDW1</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.11.2023	7.90	36	48	BDL
27.11.2023	7.78	24	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

<b>ETP(WORKSHOP) DISCHARGE: BGDW2</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.11.2023	8.13	32	52	BDL
27.11.2023	8.02	40	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

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

**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	14-11-23	54.5	53.6
NOV'23	28-11-23	57.7	56.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

CHP		BGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	14-11-23	63.6	62.7
NOV'23	28-11-23	64.8	63.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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





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

## ENVIRONMENTAL MONITORING REPORT

### NEW DHOPTALA OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/45	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

SAM OFFICE- DHOPTALA SUB AREA		BNDOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
13-11-23	14-11-23	289	198	60	14	10	Clear Sky /Light Breeze
28-11-23	29-11-23	278	160	47	15	10	Cloudy Sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MANAGER OFFICE-DHOPTALA OC		BNDOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
14-11-23	15-11-23	326	202	64	19	12	Clear Sky /Light Breeze
29-11-23	30-11-23	320	210	59	24	14	Clear Sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SASTI COLONY		BSUA3				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
4-11-23	05-11-23	87	39	10	BDL	Clear Sky /Light Breeze
18-11-23	19-11-23	86	46	12	BDL	Clear Sky /Light Breeze
					80	

MUTHRA VILLAGE		BGDO2				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
10-11-23	11-11-23	79	34	12	BDL	Cloudy Sky /Light Breeze
25-11-23	26-11-23	87	30	12	BDL	Cloudy Sky /Light Breeze
NAAQS, 2009		100	60	80	80	



Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
13.11.2023	7.97	28	44	BDL
29.11.2023	7.81	32	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

CHP: BNDON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	14-11-23	66.5	65.6
NOV'23	28-11-23	66.7	65.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

SASTI COLONY: BSUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	14-11-23	43.9	42.5
NOV'23	28-11-23	43.6	42.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### PAUNI II OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/47	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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 <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

MINE OFFICE BP20A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM <sub>5</sub>	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	No <sub>2</sub> <sub>6</sub>	So <sub>2</sub> <sub>10</sub>	
04-11-23	05-11-23	342	210	48	16	10	Clear sky / Calm
18-11-23	19-11-23	298	169	52	16	11	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


SUBSTATION BP20A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM <sub>5</sub>	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	No <sub>2</sub> <sub>6</sub>	So <sub>2</sub> <sub>10</sub>	
04-11-23	05-11-23	247	154	50	14	BDL	Clear sky / Calm
18-11-23	19-11-23	255	145	48	14	BDL	Clear sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAKHARI VILLAGE BP20A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	No <sub>2</sub> <sub>6</sub>	So <sub>2</sub> <sub>10</sub>		
02-11-23	03-11-23	78	28	10	BDL	Clear Sky / Calm	
03-11-23	04-11-23	82	39	15	BDL	Clear sky / Calm	
09-11-23	10-11-23	87	45	12	BDL	Clear sky / Calm	
10-11-23	11-11-23	83	42	14	BDL	Clear sky / Calm	
16-11-23	17-11-23	65	32	13	BDL	Cloudy Sky /Calm	
17-11-23	18-11-23	74	39	12	BDL	Clear sky / Calm	
23-11-23	24-11-23	87	42	15	BDL	Clear sky / Calm	
24-11-23	25-11-23	69	29	14	BDL	Clear Sky / Calm	
30-11-23	01-12-23	78	36	16	BDL	Clear Sky / Calm	
NAAQS, 2009		100	60	80	80		

WORKSHOP PAUNI OC BPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM <sub>5</sub>	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	No <sub>2</sub> <sub>6</sub>	So <sub>2</sub> <sub>10</sub>	
12-11-23	13-11-23	298	187	54	19	10	Cloudy sky /Light breeze
27-11-23	28-11-23	245	152	43	14	BDL	Cloudy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	




Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7002
---	--------------------	--

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

MINE WATER DISCHARGE: BP2OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.11.2023	7.90	32	48	BDL
27.11.2023	7.77	28	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25-09- 2000	5.5 - 9.0	100	250	10

  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	14-11-23	56.8	55.9
NOV'23	28-11-23	56.5	55.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

CHP		BPON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	14-11-23	65.9	64.5
NOV'23	28-11-23	63.6	62.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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





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

## ENVIRONMENTAL MONITORING REPORT

### PAUNI OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/46	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23


<b>MANAGER OFFICE-POUNI OC BPOA1</b>							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
FROM	TO	5	5	2	6	10	
12-11-23	13-11-23	314	210	68	22	14	Cloudy sky /Light breeze
27-11-23	28-11-23	302	182	52	18	11	Cloudy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

<b>WORKSHOP PAUNI OC BPOA2</b>							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
FROM	TO	5	5	2	6	10	
12-11-23	13-11-23	298	187	54	19	10	Cloudy sky /Light breeze
27-11-23	28-11-23	245	152	43	14	BDL	Cloudy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

<b>PAUNI VILLAGE BPOA3</b>							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>		
FROM	TO	5	2	6	10		
11-11-23	12-11-23	69	30	10	BDL	Cloudy sky /Light breeze	
26-11-23	27-11-23	65	24	12	BDL	Cloudy sky /Light breeze	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

<b>GOURI VILLAGE BGOA4</b>							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>		
FROM	TO	5	2	6	10		
11-11-23	12-11-23	89	46	16	BDL	Cloudy sky /Light breeze	
26-11-23	27-11-23	80	39	14	BDL	Cloudy sky /Light breeze	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

  
Analysed by

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

MINE WATER DISCHARGE: BPOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.11.2023	7.96	42	24	BDL
27.11.2023	7.77	56	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BPOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.11.2023	8.23	20	52	BDL
27.11.2023	7.94	34	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

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

**NOISE LEVEL MONITORING DATA**

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

<b>MANAGER OFFICE:</b>		<b>BPON1</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	14-11-23	55.7	54.8
NOV'23	28-11-23	55.9	54.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>GOURI COLONY:</b>		<b>BSON2</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	14-11-23	43.7	42.8
NOV'23	28-11-23	43.8	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### SASTI OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/NOV-23/48	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-11-23 TO 15-12-23	

SAM OFFICE-SASTI OC BSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-23	05-11-23	297	198	60	19	12	Cloudy sky /Light breeze
18-11-23	19-11-23	245	156	48	16	10	Cloudy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

AREA STORE BSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-23	05-11-23	248	154	54	12	BDL	Cloudy sky /Light breeze
18-11-23	19-11-23	274	150	40	15	10	Cloudy sky /Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT BSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
02-11-23	03-11-23	89	38	12	BDL	Cloudy sky /Light breeze	
03-11-23	04-11-23	92	46	14	BDL	Cloudy sky /Light breeze	
09-11-23	10-11-23	78	32	13	BDL	Cloudy sky /Light breeze	
10-11-23	11-11-23	80	41	11	BDL	Cloudy sky /Light breeze	
16-11-23	17-11-23	82	41	10	BDL	Cloudy sky /Light breeze	
17-11-23	18-11-23	78	32	14	BDL	Cloudy sky /Light breeze	
23-11-23	24-11-23	69	26	12	BDL	Cloudy sky /Light breeze	
24-11-23	25-11-23	74	30	14	BDL	Cloudy sky /Light breeze	
30-11-23	01-12-23	85	45	10	BDL	Cloudy sky /Light breeze	
NAAQS, 2009		100	60	80	80		

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
02-11-23	03-11-23	87	40	13	BDL	Cloudy sky /Light breeze	
03-11-23	04-11-23	79	48	16	BDL	Cloudy sky /Light breeze	
09-11-23	10-11-23	82	40	14	BDL	Cloudy sky /Light breeze	
10-11-23	11-11-23	89	43	12	BDL	Cloudy sky /Light breeze	
16-11-23	17-11-23	70	42	12	BDL	Cloudy sky /Light breeze	
17-11-23	18-11-23	78	38	11	BDL	Cloudy sky /Light breeze	
23-11-23	24-11-23	65	24	14	BDL	Cloudy sky /Light breeze	
24-11-23	25-11-23	52	18	12	BDL	Cloudy sky /Light breeze	
30-11-23	01-12-23	80	32	14	BDL	Cloudy sky /Light breeze	
NAAQS, 2009		100	60	80	80		



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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


MINE WATER DISCHARGE:		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
10.11.2023	7.96	32	52	BDL
25.11.2023	7.75	28	40	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
10.11.2023	7.65	36	48	BDL
25.11.2023	7.80	28	32	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	
10.11.2023	26	12	
25.11.2023	34	10.8	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-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
NOV'23	14-11-23	65.6	64.7
NOV'23	28-11-23	64.7	63.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000</b>		<b>75</b>	<b>70</b>

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	14-11-23	43.7	42.8
NOV'23	28-11-23	43.8	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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





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

## ENVIRONMENTAL MONITORING REPORT

### SASTI UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
TEST REPORT NO.		RIN/TR/NOV-23/49		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION		AIR SAMPLE		SAMPLING PLAN : LQR 47	
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23	

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 <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
13-11-23	14-11-23	289	198	60	14	10	Clear Sky /Light Breeze
28-11-23	29-11-23	278	160	47	15	10	Cloudy Sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
14-11-23	15-11-23	326	202	64	19	12	Clear Sky /Light Breeze
29-11-23	30-11-23	320	210	59	24	14	Clear Sky /Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>		
04-11-23	05-11-23	87	39	10	BDL	Cloudy sky /Light breeze	
18-11-23	19-11-23	86	46	14	BDL	Cloudy sky /Light breeze	
NAAQS, 2009		100	60	80	80		

SASTI VILLAGE   BSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>		
02-11-23	03-11-23	87	40	13	BDL	Cloudy sky /Light breeze	
03-11-23	04-11-23	79	48	16	BDL	Cloudy sky /Light breeze	
09-11-23	10-11-23	82	40	14	BDL	Cloudy sky /Light breeze	
10-11-23	11-11-23	89	43	12	BDL	Cloudy sky /Light breeze	
16-11-23	17-11-23	70	42	12	BDL	Cloudy sky /Light breeze	
17-11-23	18-11-23	78	38	11	BDL	Cloudy sky /Light breeze	
23-11-23	24-11-23	65	24	14	BDL	Cloudy sky /Light breeze	
24-11-23	25-11-23	52	18	12	BDL	Cloudy sky /Light breeze	
30-11-23	01-12-23	80	32	14	BDL	Cloudy sky /Light breeze	



Analysed by

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

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		BSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	14-11-23	44.8	43.9
NOV'23	28-11-23	44.9	43.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

SASTI COLONY:		BSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	14-11-23	43.9	42.5
NOV'23	28-11-23	43.6	42.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



वसुधैव कुटुम्बकम्  
ONE EARTH • ONE FAMILY • ONE FUTURE

STRICTLY RESTRICTED  
FOR COMPANY USE ONLY

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

## ENVIRONMENTAL MONITORING REPORT

# BHATADI OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOVEMBER-23/31	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/11/23 TO 15/12/23

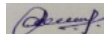
BHATADI SECURITY POST CBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
02.11.2023	03.11.2023	355	198	59	26	19	Cloudy Sky/Light Breeze
17.11.2023	18.11.2023	335	184	54	33	24	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

BHATADI MANAGER OFFICE CBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
02.11.2023	03.11.2023	330	178	55	25	18	Cloudy Sky/Light Breeze
17.11.2023	18.11.2023	315	169	52	29	22	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	


BHATADI VILLAGE CBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
03.11.2023	04.11.2023	78	28	19	12		Cloudy Sky/Light Breeze
18.11.2023	19.11.2023	81	32	24	17		Cloudy Sky/Light Breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

VADHOLI VILLAGE CBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
03.11.2023	04.11.2023	85	35	22	17		Cloudy Sky/Light Breeze
18.11.2023	19.11.2023	79	28	19	11		Cloudy Sky/Light Breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

BHATADI COLONY CBOA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
02.11.2023	03.11.2023	80	31	21	14		Cloudy Sky/Light Breeze
17.11.2023	18.11.2023	77	26	23	16		Cloudy Sky/Light Breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		



Analysed by

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

MINE WATER DISCHARGE: 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
02.11.2023	6.95	36	40	BDL
17.11.2023	6.89	30	32	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
02.11.2023	7.24	22	24	BDL
17.11.2023	7.45	28	32	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
02.11.2023	26	12.6
17.11.2023	21	11.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

CHP: CBON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	10-11-23	68.6	67.8
NOV'23	24-11-23	64.9	63.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY: CBON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	10-11-23	43.7	42.9
NOV'23	24-11-23	42.5	41.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### CRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOVEMBER-23/32	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/11/23 TO 15/12/23

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05.11.2023	06.11.2023	286	163	49	23	16	Cloudy Sky/Light Breeze
20.11.2023	21.11.2023	301	174	53	26	20	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05.11.2023	06.11.2023	308	170	53	27	17	Cloudy Sky/Light Breeze
20.11.2023	21.11.2023	328	176	56	30	20	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.11.2023	07.11.2023	275	164	48	24	15	Cloudy Sky/Light Breeze
21.11.2023	22.11.2023	284	168	52	27	18	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
05.11.2023	06.11.2023	70	20	16	12	Cloudy Sky/Light Breeze	
20.11.2023	21.11.2023	75	24	14	10	Cloudy Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**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
NOV'23	10-11-23	65.9	64.6
NOV'23	24-11-23	62.7	61.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY: CCRUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	10-11-23	44.5	43.7
NOV'23	24-11-23	43.8	42.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### DRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOVEMBER-23/33	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/11/23 TO 15/12/23

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
05.11.2023	06.11.2023	291	167	49	22	18	Cloudy Sky/Light Breeze
20.11.2023	21.11.2023	302	179	56	26	20	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

NEHRU NAGAR- SUBSTATION   CDRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
04.11.2023	05.11.2023	284	166	47	21	15	Cloudy Sky/Light Breeze
19.11.2023	20.11.2023	300	170	52	26	18	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
04.11.2023	05.11.2023	74	21	17	12		Cloudy Sky/Light Breeze
19.11.2023	20.11.2023	79	26	15	10		Cloudy Sky/Light Breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

PIT OFFICE DRC-IV   CDRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
04.11.2023	05.11.2023	296	170	51	23	19	Cloudy Sky/Light Breeze
19.11.2023	20.11.2023	307	176	54	28	23	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	




Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16/11/23 TO 15/12/23

MINE WATER DISCHARGE:		CDRUW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.11.2023	7.43	29	32	BDL
19.11.2023	7.54	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25- 09-2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE: CDRUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	10-11-23	69.8	68.5
NOV'23	24-11-23	67.6	66.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

DURGAPUR COLONY: CDRUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	10-11-23	42.7	41.6
NOV'23	24-11-23	43.8	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# DURGAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/NOVEMBER-23/34	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/11/23 TO 15/12/23

MANAGER OFFICE-SECTOR V   CDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11.11.2023	12.11.2023	335	188	57	37	26	Clear sky/Calm
25.11.2023	26.11.2023	322	179	54	32	22	Clear sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DURGAPUR VILLAGE   CDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
02.11.2023	03.11.2023	82	35	20	15	Clear sky/Calm	
03.11.2023	04.11.2023	75	28	17	13	Clear sky/Calm	
09.11.2023	10.11.2023	80	31	21	16	Clear sky/Calm	
10.11.2023	11.11.2023	78	29	24	18	Clear sky/Calm	
16.11.2023	17.11.2023	83	33	22	16	Clear sky/Calm	
17.11.2023	18.11.2023	79	27	25	19	Clear sky/Calm	
23.11.2023	24.11.2023	76	25	20	13	Clear sky/Calm	
24.11.2023	25.11.2023	84	36	26	20	Clear sky/Calm	
29.11.2023	30.11.2023	82	32	22	18	Clear sky/Calm	
NAAQS, 2009		100	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)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11.11.2023	12.11.2023	338	185	56	39	28	Clear sky/Calm
25.11.2023	26.11.2023	326	175	52	34	25	Clear sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

FILTER PLANT DOC/POC COLONY   CDOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
02.11.2023	03.11.2023	78	29	22	14	Clear sky/Calm	
03.11.2023	04.11.2023	82	35	28	22	Clear sky/Calm	
09.11.2023	10.11.2023	76	25	21	16	Clear sky/Calm	
10.11.2023	11.11.2023	80	30	27	20	Clear sky/Calm	
16.11.2023	17.11.2023	84	34	29	23	Clear sky/Calm	
17.11.2023	18.11.2023	87	37	32	26	Clear sky/Calm	
23.11.2023	24.11.2023	77	27	25	15	Clear sky/Calm	
24.11.2023	25.11.2023	81	31	28	21	Clear sky/Calm	
29.11.2023	30.11.2023	85	35	26	20	Clear sky/Calm	
NAAQS, 2009		100	60	80	80		



Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	--

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

MINE WATER DISCHARGE 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
11.11.2023	7.19	27	28	BDL
26.11.2023	7.26	24	24	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
11.11.2023	2.88	38	36	BDL
26.11.2023	2.96	43	44	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
11.11.2023	7.75	24	16	BDL
26.11.2023	7.84	28	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT): CDOW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
11.11.2023	37	9.6
26.11.2023	31	10.8
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

CHP:		CDON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	10-11-23	64.6	63.5
NOV'23	24-11-23	63.7	62.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	10-11-23	42.7	41.6
NOV'23	24-11-23	43.8	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

### HLP-I & III UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

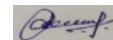
TEST REPORT NO.	RIN/TR/NOVEMBER-23/37	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/11/23 TO 15/12/23

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.11.2023	07.11.2023	294	175	51	24	15	Cloudy Sky/Light Breeze
23.11.2023	24.11.2023	308	181	54	27	18	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.11.2023	07.11.2023	301	178	54	25	20	Cloudy Sky/Light Breeze
23.11.2023	24.11.2023	312	185	57	29	23	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
06.11.2023	07.11.2023	74	24	16	12	Cloudy Sky/Light Breeze	
23.11.2023	24.11.2023	79	25	18	15	Cloudy Sky/Light Breeze	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
06.11.2023	07.11.2023	71	20	17	10	Cloudy Sky/Light Breeze	
23.11.2023	24.11.2023	78	23	20	14	Cloudy Sky/Light Breeze	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		



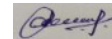
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16/11/23 TO 15/12/23

MINE WATER DISCHARGE(HLP-III): CHUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.11.2023	7.58	25	36	BDL
23.11.2023	7.50	20	24	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
06.11.2023	7.36	25	32	BDL
23.11.2023	7.21	21	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE-I:		CHUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	10-11-23	68.9	67.8
NOV'23	24-11-23	67.5	66.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY:		CHUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	10-11-23	43.5	42.9
NOV'23	24-11-23	43.6	42.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### HLP OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

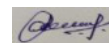
TEST REPORT NO.	RIN/TR/NOVEMBER-23/35	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/11/23 TO 15/12/23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10.11.2023	11.11.2023	305	169	50	20	15	Cloudy Sky/Light Breeze
25.11.2023	26.11.2023	318	178	54	25	19	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.11.2023	10.11.2023	345	183	52	29	19	Cloudy Sky/Light Breeze
24.11.2023	25.11.2023	352	189	57	35	25	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.11.2023	10.11.2023	71	22	14	10	Cloudy Sky/Light Breeze
24.11.2023	25.11.2023	80	26	19	13	Cloudy Sky/Light Breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10.11.2023	11.11.2023	70	21	13	10	Cloudy Sky/Light Breeze
25.11.2023	26.11.2023	78	25	17	12	Cloudy Sky/Light Breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



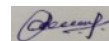
Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16/11/23 TO 15/12/23

MINE WATER DISCHARGE: CHOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.11.2023	2.94	30	32	BDL
24.11.2023	2.98	33	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	10-11-23	69.6	68.5
NOV'23	24-11-23	66.7	65.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY HLP:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	10-11-23	43.7	42.6
NOV'23	24-11-23	42.8	41.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

**ENVIRONMENTAL MONITORING REPORT**

**MAHAKALI UG**

CHANDRAPUR AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4094423068




NOVEMBER 2023



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



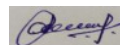
<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
TEST REPORT NO.	RIN/TR/NOVEMBER-23/37	DATE OF ISSUE	30-12-23		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/11/23 TO 15/12/23		

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
05.11.2023	06.11.2023	286	163	49	23	16	Cloudy Sky/Light Breeze
20.11.2023	21.11.2023	301	174	53	26	20	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
05.11.2023	06.11.2023	308	170	53	27	17	Cloudy Sky/Light Breeze
20.11.2023	21.11.2023	328	176	56	30	20	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
06.11.2023	07.11.2023	275	164	48	24	15	Cloudy Sky/Light Breeze
21.11.2023	22.11.2023	284	168	52	27	18	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

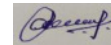
COLONY (MAHAKALI UG)   CMKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
05.11.2023	06.11.2023	70	20	16	12	Cloudy Sky/Light Breeze	
20.11.2023	21.11.2023	75	24	14	10	Cloudy Sky/Light Breeze	
NAAQS, 2009		100	60	80	80		



Analysed by

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

MINE WATER DISCHARGE: 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
05.11.2023	7.63	20	24	BDL
19.11.2023	7.26	28	34	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

<b>FAN HOUSE: CMKUN1</b>		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	10-11-23	66.6	65.8
NOV'23	24-11-23	64.7	63.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(MAHAKALI): CMKUN2</b>		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	10-11-23	42.7	41.9
NOV'23	24-11-23	42.8	41.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

### MANA UG

CHANDRAPUR AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

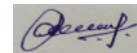
TEST REPORT NO.	RIN/TR/NOVEMBER-23/38	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/11/23 TO 15/12/23

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.11.2023	10.11.2023	291	171	50	22	17	Cloudy Sky/Light Breeze
24.11.2023	25.11.2023	299	175	54	26	21	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.11.2023	10.11.2023	320	179	53	25	20	Cloudy Sky/Light Breeze
24.11.2023	25.11.2023	332	183	57	30	25	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10.11.2023	11.11.2023	70	21	13	10	Cloudy Sky/Light Breeze
25.11.2023	26.11.2023	78	25	17	12	Cloudy Sky/Light Breeze
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.11.2023	10.11.2023	71	22	14	10	Cloudy Sky/Light Breeze
24.11.2023	25.11.2023	80	26	19	13	Cloudy Sky/Light Breeze
		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



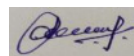
Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
09.11.2023	7.56	40	44	BDL
24.11.2023	7.35	32	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE: CMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	10-11-23	67.5	66.7
NOV'23	24-11-23	66.8	65.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(HLP OC): CHON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	10-11-23	43.7	42.6
NOV'23	24-11-23	42.8	41.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# NANDGAON UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

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

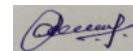
TEST REPORT NO.	RIN/TR/NOVEMBER 23/39	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/11/23 TO 15/12/23

MANAGER OFFICE NANDGAON UG		CNUA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10.11.2023	11.11.2023	305	169	50	20	15	Cloudy Sky/Light Breeze
25.11.2023	26.11.2023	318	178	54	25	19	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE		CMUA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.11.2023	10.11.2023	320	179	53	25	20	Cloudy Sky/Light Breeze
24.11.2023	25.11.2023	332	183	57	30	25	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MANA VILLAGE		CMUA4				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.11.2023	10.11.2023	71	22	14	10	Cloudy Sky/Light Breeze
24.11.2023	25.11.2023	80	26	19	13	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80	

COLONY (NANDGAON)		CNUA2				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10.11.2023	11.11.2023	70	21	13	10	Cloudy Sky/Light Breeze
25.11.2023	26.11.2023	78	25	17	12	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80	

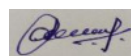


Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
10.11.2023	7.76	27	36	BDL
25.11.2023	7.59	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	10-11-23	70.4	69.3
NOV'23	24-11-23	68.9	67.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY HLP OC:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	10-11-23	43.7	42.6
NOV'23	24-11-23	42.8	41.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### PADMAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7162
---	--------------------	--

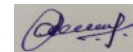
TEST REPORT NO.	RIN/TR/NOVEMBER-23/40	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16/11/23 TO 15/12/23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03.11.2023	04.11.2023	339	195	53	28	20	Cloudy Sky/Light Breeze
18.11.2023	19.11.2023	348	206	58	33	25	Cloudy Sky/Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.11.2023	05.11.2023	79	25	19	16	Cloudy Sky/Light Breeze
19.11.2023	20.11.2023	82	27	15	10	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03.11.2023	04.11.2023	80	24	14	11	Cloudy Sky/Light Breeze
18.11.2023	19.11.2023	84	30	18	15	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.11.2023	03.11.2023	81	25	18	12	Cloudy Sky/Light Breeze
17.11.2023	18.11.2023	85	29	23	16	Cloudy Sky/Light Breeze
NAAQS, 2009		100	60	80	80	



Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

CHP:		CPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	10-11-23	63.8	62.7
NOV'23	24-11-23	62.9	61.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

DURGAPUR COLONY:		CDON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	10-11-23	42.7	41.6
NOV'23	24-11-23	43.8	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

**ENVIRONMENTAL MONITORING REPORT**

**NEW MAJRI-II(A) OC**

MAJRI AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4094423068



**NOVEMBER- 2023**



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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

TEST REPORT NO.	RIN/TR/NOV-23/51	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP0 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-2023

NMOC SUBSTATION  MMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-11-23	08-11-23	305	189	63	18	16	CLOUDY/ MODERATE BREEZE
21-11-23	22-11-23	331	180	54	14	12	CLEAR/ LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PATALA MAGAZINE  MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
01-11-23	02-11-23	322	174	58	18	15	CLEAR/ MODERATE BREEZE
17-11-23	18-11-23	347	170	54	15	12	CLEAR/ MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PRIMARY HEALTH CENTRE, MAJRI BASTI  MMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
31-10-23	01-11-23	85	46	10	BDL	CLEAR/ LIGHT BREEZE	
01-11-23	02-11-23	90	42	14	11	CLEAR/ LIGHT BREEZE	
07-11-23	08-11-23	69	38	16	13	CLOUDY/ MODERATE BREEZE	
08-11-23	09-11-23	76	44	15	12	CLOUDY/ MODERATE BREEZE	
14-11-23	15-11-23	83	48	16	14	CLEAR/ MODERATE BREEZE	
15-11-23	16-11-23	82	57	14	12	CLEAR/ MODERATE BREEZE	
21-11-23	22-11-23	92	47	15	11	CLEAR/ LIGHT BREEZE	
22-11-23	23-11-23	74	32	14	12	CLOUDY/ LIGHT BREEZE	
28-11-23	29-11-23	85	44	18	15	CLEAR/ MODERATE BREEZE	
29-11-23	30-11-23	94	50	20	16	CLEAR/ MODERATE BREEZE	
NAAQS, 2009		100	60	80	80		

KUCHANA COLONY  MMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
31-10-23	01-11-23	85	40	12	10	CLEAR/ LIGHT BREEZE	
01-11-23	02-11-23	66	42	15	12	CLEAR/ LIGHT BREEZE	
07-11-23	08-11-23	77	36	12	BDL	CLOUDY/ MODERATE BREEZE	
08-11-23	09-11-23	55	31	11	BDL	CLOUDY/ MODERATE BREEZE	
14-11-23	15-11-23	98	48	14	12	CLEAR/ MODERATE BREEZE	
15-11-23	16-11-23	70	45	16	14	CLEAR/ MODERATE BREEZE	
21-11-23	22-11-23	88	50	14	12	CLEAR/ LIGHT BREEZE	
22-11-23	23-11-23	66	38	16	14	CLOUDY/ LIGHT BREEZE	
28-11-23	29-11-23	78	36	14	12	CLEAR/ MODERATE BREEZE	
29-11-23	30-11-23	75	51	13	11	CLEAR/ MODERATE BREEZE	
NAAQS, 2009		100	60	80	80		



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
07-11-23	7.40	40	44	BDL
28-11-23	8.02	48	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
07-11-23	7.00	28	40	BDL
28-11-23	5.00	30	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: MAJRI AREA HOSPITAL				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14-11-23	7.04	42	60	BDL
30-11-23	7.37	36	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993		100		30

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
07-11-23	44	12.4
28-11-23	36	14.4
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

FIELD MINE SHED:		MMON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	13-11-23	65.8	64.7
NOV'23	27-11-23	60.1	59.8
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
NOV'23	13-11-23	45.4	44.1
NOV'23	27-11-23	46.6	45.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# NEW MAJRI UG TO OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER- 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

TEST REPORT NO.	RIN/TR/NOV-23/50	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance 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:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
01-11-23	02-11-23	322	174	58	18	15	CLEAR/ MODERATE BREEZE
17-11-23	18-11-23	347	170	54	15	12	CLEAR/ MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
01-11-23	02-11-23	348	189	72	20	17	CLEAR/ MODERATE BREEZE
17-11-23	18-11-23	334	180	79	16	14	CLEAR/ MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
01-11-23	02-11-23	341	202	64	17	14	CLEAR/ MODERATE BREEZE
17-11-23	18-11-23	321	170	52	14	12	CLEAR/ MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
01-11-23	02-11-23	74	44	16	12	CLEAR/ MODERATE BREEZE
17-11-23	18-11-23	82	48	15	13	CLEAR/ MODERATE BREEZE
NAAQS, 2009		100	60	80	80	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

MINE WATER DISCHARGE: MMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
01-11-23	7.70	56	36	BDL
17-11-23	7.40	42	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
01-11-23	7.62	50	44	BDL
17-11-23	5.18	34	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
01-11-23	30	16
17-11-23	28	11.4
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30



Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

PIT OFFICE:		MMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	13-11-23	57.5	56.3
NOV'23	27-11-23	58.5	57.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(MAJRI UG TO OC):		MMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	13-11-23	46.2	45.5
NOV'23	27-11-23	45.1	44.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



वसुधैव कुटुम्बकम्  
ONE EARTH • ONE FAMILY • ONE FUTURE

STRICTLY RESTRICTED  
FOR COMPANY USE ONLY

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

## ENVIRONMENTAL MONITORING REPORT

### YEKONA I & II OC

MAJRI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER- 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/52	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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 <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

PIT OFFICE   MYOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>		SO <sub>2</sub>
07-11-23	08-11-23	340	210	56	20	18	CLOUDY/MODERATE BREEZE
21-11-23	22-11-23	336	200	55	22	18	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	60	120	120	

PENZURNI VILLAGE   MYOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
31-10-23	01-11-23	70	38	14	12	CLEAR/ LIGHT BREEZE
01-11-23	02-11-23	63	35	16	13	CLEAR/ LIGHT BREEZE
07-11-23	08-11-23	75	45	18	14	CLOUDY/ MODERATE BREEZE
08-11-23	09-11-23	88	49	17	15	CLOUDY/ MODERATE BREEZE
14-11-23	15-11-23	96	54	18	16	CLEAR/ MODERATE BREEZE
15-11-23	16-11-23	72	49	16	14	CLEAR/MODERATE BREEZE
21-11-23	22-11-23	77	38	16	14	CLEAR/ LIGHT BREEZE
22-11-23	23-11-23	85	52	14	12	CLOUDY/LIGHT BREEZE
28-11-23	29-11-23	90	59	18	16	CLEAR/ MODERATE BREEZE
29-11-23	30-11-23	100	58	16	14	CLEAR/ MODERATE BREEZE
NAAQS, 2009		100	60	80	80	


ASHTI VILLAGE   MYOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
31-10-23	01-11-23	66	40	14	12	CLEAR/ LIGHT BREEZE
01-11-23	02-11-23	79	44	16	14	CLEAR/ LIGHT BREEZE
07-11-23	08-11-23	70	42	18	15	CLOUDY/ MODERATE BREEZE
08-11-23	09-11-23	85	50	14	12	CLOUDY/ MODERATE BREEZE
14-11-23	15-11-23	93	55	15	13	CLEAR/ MODERATE BREEZE
15-11-23	16-11-23	69	34	15	12	CLEAR/MODERATE BREEZE
21-11-23	22-11-23	94	38	14	BDL	CLEAR/ LIGHT BREEZE
22-11-23	23-11-23	76	42	16	14	CLOUDY/LIGHT BREEZE
28-11-23	29-11-23	87	54	14	10	CLEAR/ MODERATE BREEZE
29-11-23	30-11-23	97	58	15	12	CLEAR/ MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

DANDGAON VILLAGE   MYOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
31-10-23	01-11-23	70	20	16	14	CLEAR/ LIGHT BREEZE
01-11-23	02-11-23	64	38	13	11	CLEAR/ LIGHT BREEZE
07-11-23	08-11-23	68	46	16	14	CLOUDY/ MODERATE BREEZE
08-11-23	09-11-23	77	40	17	14	CLOUDY/ MODERATE BREEZE
14-11-23	15-11-23	84	44	18	15	CLEAR/ MODERATE BREEZE
15-11-23	16-11-23	80	50	14	12	CLEAR/MODERATE BREEZE
21-11-23	22-11-23	90	52	20	16	CLEAR/ LIGHT BREEZE
22-11-23	23-11-23	64	39	14	12	CLOUDY/LIGHT BREEZE
28-11-23	29-11-23	70	44	16	14	CLEAR/ MODERATE BREEZE
29-11-23	30-11-23	78	50	14	12	CLEAR/ MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

		HIWRA MAJRA VILLAGE   MYOAS				
DATE(dd.mm.yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
31-10-23	01-11-23	80	52	17	14	CLEAR/ LIGHT BREEZE
01-11-23	02-11-23	65	36	16	12	CLEAR/ LIGHT BREEZE
07-11-23	08-11-23	71	48	18	16	CLOUDY/ MODERATE BREEZE
08-11-23	09-11-23	79	55	16	13	CLOUDY/ MODERATE BREEZE
14-11-23	15-11-23	86	60	17	14	CLEAR/ MODERATE BREEZE
15-11-23	16-11-23	72	45	16	14	CLEAR/MODERATE BREEZE
21-11-23	22-11-23	82	52	14	12	CLEAR/ LIGHT BREEZE
22-11-23	23-11-23	69	42	18	16	CLOUDY/LIGHT BREEZE
28-11-23	29-11-23	64	56	14	12	CLEAR/ MODERATE BREEZE
29-11-23	30-11-23	70	50	16	14	CLEAR/ MODERATE BREEZE
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

MINE WATER DISCHARGE: YEKONA I OC : MYOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-11-23	8.31	38	48	BDL
29-11-23	7.94	40	52	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
08-11-23	8.00	46	56	BDL
29-11-23	7.90	38	60	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
08-11-23	6.7	32	52	BDL
29-11-23	4.88	40	64	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
08-11-23	54	15
29-11-23	52	13.2
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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, AUG-2015
SAMPLING METHOD	LSOP 6

PIT OFFICE MYON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
NOV'23	13-11-23	66.9	65.7
NOV'23	27-11-23	59.8	58.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### ADASA UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




NOVEMBER 2023



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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/1	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance 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:		16-11-23 TO 15-12-23

PROJECT MANAGER OFFICE   NAUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
01-11-23	02-11-23	301	220	65	33	15	Clear/Calm
27-11-23	28-11-23	329	240	63	36	16	Rainy/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE   NAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
01-11-23	02-11-23	92	40	26	BDL		Clear/Calm
27-11-23	28-11-23	91	44	28	BDL		Rainy/Calm
NAAQS, 2009		100	60	80	80		

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
01-11-23	02-11-23	90	42	22	BDL		Clear/Calm
26-11-23	27-11-23	97	46	24	BDL		Clear/Calm
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
01-11-23	02-11-23	91	39	28	BDL		Clear/Calm
26-11-23	27-11-23	98	42	30	BDL		Clear/Calm
NAAQS, 2009		100	60	80	80		

*A. Anupama*

Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

<b>FAN HOUSE: NAUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	11-11-23	69.3	68.5
NOV'23	24-11-23	69.4	68.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>MANAGER OFFICE: NAUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	11-11-23	54.2	53.6
NOV'23	24-11-23	54.3	53.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY (SAONER): NSNUN4</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	11-11-23	42.3	41.4
NOV'23	24-11-23	42.2	41.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# BHANEGOAN OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/2	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-11-23 TO 15-12-23	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-11-23	08-11-23	324	197	60	32	16	Cloudy/Calm
21-11-23	22-11-23	354	215	61	35	17	Cloudy/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
07-11-23	08-11-23	93	44	24	BDL	BDL	Cloudy/Calm
21-11-23	22-11-23	97	48	27	BDL	BDL	Cloudy/Calm
NAAQS, 2009		100	60	80	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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
07-11-23	08-11-23	92	46	23	BDL	BDL	Cloudy/Calm
21-11-23	22-11-23	98	50	25	BDL	BDL	Cloudy/Calm
NAAQS, 2009		100	60	80	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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
07-11-23	08-11-23	94	42	28	BDL	BDL	Cloudy/Calm
21-11-23	22-11-23	92	46	30	BDL	BDL	Cloudy/Calm
NAAQS, 2009		100	60	80	80	80	

*R. Anupama*

Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
07-11-23	8.26	22	36	BDL
21-11-23	8.13	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Anurupa*

Analysed by

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

**NOISE LEVEL MONITORING DATA**

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

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	52.3	51.6
NOV'23	24-11-23	53.4	52.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

# GONDEGAON OC

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/NOV-23/3	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-11-23 TO 15-12-23	

NEAR SUBSTATION NGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
13-11-23	14-11-23	332	202	65	32	16	Cloudy/Calm
27-11-23	28-11-23	362	220	68	35	17	Cloudy/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

GONDEGAON VILLAGE SCHOOL NGOA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
05-11-23	06-11-23	94	40	21	BDL	Cloudy/Calm
06-11-23	07-11-23	96	39	23	BDL	Cloudy/Calm
12-11-23	13-11-23	99	40	24	BDL	Cloudy/Calm
13-11-23	14-11-23	95	46	22	BDL	Cloudy/Calm
19-11-23	20-11-23	93	43	23	BDL	Cloudy/Calm
20-11-23	21-11-23	94	42	25	BDL	Cloudy/Calm
26-11-23	27-11-23	95	44	27	BDL	Cloudy/Calm
27-11-23	28-11-23	96	51	24	BDL	Cloudy/Calm
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

COLONY GUEST HOUSE/FILTER PLANT   NGOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
05-11-23	06-11-23	87	39	21	BDL	Cloudy/Calm
06-11-23	07-11-23	88	41	22	BDL	Cloudy/Calm
12-11-23	13-11-23	89	35	22	BDL	Cloudy/Calm
13-11-23	14-11-23	97	41	20	BDL	Cloudy/Calm
19-11-23	20-11-23	96	43	23	BDL	Cloudy/Calm
20-11-23	21-11-23	97	45	24	BDL	Cloudy/Calm
26-11-23	27-11-23	97	38	24	BDL	Cloudy/Calm
27-11-23	28-11-23	98	44	22	BDL	Cloudy/Calm
NAAQS, 2009		100	60	80	80	

GHATROHNA VILLAGE   NGOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
05-11-23	06-11-23	90	42	24	BDL	Cloudy/Calm
06-11-23	07-11-23	91	39	22	BDL	Cloudy/Calm
12-11-23	13-11-23	98	43	26	BDL	Cloudy/Calm
13-11-23	14-11-23	93	39	23	BDL	Cloudy/Calm
19-11-23	20-11-23	97	46	26	BDL	Cloudy/Calm
20-11-23	21-11-23	98	43	24	BDL	Cloudy/Calm
26-11-23	27-11-23	91	47	28	BDL	Cloudy/Calm
27-11-23	28-11-23	92	43	25	BDL	Cloudy/Calm
NAAQS, 2009		100	60	80	80	

*A. Anupama*

Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

MINE WATER DISCHARGE NGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-11-23	8.24	42	52	BDL
27-11-23	8.16	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE NGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-11-23	8.32	26	36	BDL
27-11-23	8.22	24	26	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*A. Anupurna*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

CHP		NGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	67.3	66.5
NOV'23	24-11-23	67.2	66.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

GONDEGAON VILLAGE/COLONY		NGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.2	41.4
NOV'23	24-11-23	42.3	41.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

GHATROHNA VILLAGE:		NGON3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.3	41.5
NOV'23	24-11-23	42.2	41.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

JUNI KAMPTEE VILLAGE:		NGON4	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.2	41.3
NOV'23	24-11-23	42.2	41.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### INDER UG TO OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




NOVEMBER 2023



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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
TEST REPORT NO.	RIN/TR/NOV-23/4	DATE OF ISSUE	30-12-23		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-11-23 TO 15-12-23	

NEAR PIT NO.6 / MANAGER OFFICE NIOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-11-23	11-11-23	316	220	68	31	16	CLOUDY/CALM
24-11-23	25-11-23	345	240	65	33	17	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CMPDI TEKADI STORE NIOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-11-23	12-11-23	329	210	69	31	14	CLOUDY/CALM
25-11-23	26-11-23	359	229	67	33	16	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
03-11-23	04-11-23	86	31	20	BDL	CLOUDY/CALM	
04-11-23	05-11-23	90	35	22	BDL	CLOUDY/CALM	
10-11-23	11-11-23	92	38	22	BDL	CLOUDY/CALM	
11-11-23	12-11-23	96	37	23	BDL	CLOUDY/CALM	
17-11-23	18-11-23	95	45	24	BDL	CLOUDY/CALM	
18-11-23	19-11-23	96	41	26	BDL	CLOUDY/CALM	
24-11-23	25-11-23	97	43	25	BDL	CLOUDY/CALM	
25-11-23	26-11-23	98	41	26	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

G.P. OFFICE KANDRI VILLAGE NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
03-11-23	04-11-23	95	39	22	BDL	CLOUDY/CALM	
04-11-23	05-11-23	96	40	21	BDL	CLOUDY/CALM	
10-11-23	11-11-23	97	41	22	BDL	CLOUDY/CALM	
11-11-23	12-11-23	96	37	24	BDL	CLOUDY/CALM	
17-11-23	18-11-23	92	41	24	BDL	CLOUDY/CALM	
18-11-23	19-11-23	93	41	25	BDL	CLOUDY/CALM	
24-11-23	25-11-23	94	38	26	BDL	CLOUDY/CALM	
25-11-23	26-11-23	98	36	24	BDL	CLOUDY/CALM	
NAAQS, 2009		100	60	80	80		

*R. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE 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
10-11-23	8.21	18	24	BDL
24-11-23	8.20	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*A. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

<b>RC OFFICEE: NION1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	53.2	52.6
NOV'23	24-11-23	54.2	53.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

### KAMPTEE DEEP OC

NAGPUR AREA

### WESTERN COALFIELDS LTD.

JOB NO. 4094423068




NOVEMBER 2023



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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/5	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

SUBSTATION NKCA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
10-11-23	11-11-23	323	202	67	34	17	CLOUDY/CALM
24-11-23	25-11-23	353	220	66	37	18	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

JUNI KAMPTEE VILLAGE NKCA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
03-11-23	04-11-23	89	39	21	BDL	CLOUDY/CALM
04-11-23	05-11-23	88	41	23	BDL	CLOUDY/CALM
10-11-23	11-11-23	87	47	24	BDL	CLOUDY/CALM
11-11-23	12-11-23	92	39	22	BDL	CLOUDY/CALM
17-11-23	18-11-23	92	41	24	BDL	CLOUDY/CALM
18-11-23	19-11-23	93	41	25	BDL	CLOUDY/CALM
24-11-23	25-11-23	94	38	26	BDL	CLOUDY/CALM
25-11-23	26-11-23	98	37	25	BDL	CLOUDY/CALM
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



COLONY WATER TREATMENT PLANT NKCA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
03-11-23	04-11-23	86	31	20	BDL	CLOUDY/CALM
04-11-23	05-11-23	90	35	22	BDL	CLOUDY/CALM
10-11-23	11-11-23	92	38	22	BDL	CLOUDY/CALM
11-11-23	12-11-23	96	37	23	BDL	CLOUDY/CALM
17-11-23	18-11-23	95	45	24	BDL	CLOUDY/CALM
18-11-23	19-11-23	96	41	26	BDL	CLOUDY/CALM
24-11-23	25-11-23	97	43	25	BDL	CLOUDY/CALM
25-11-23	26-11-23	98	41	26	BDL	CLOUDY/CALM
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
03-11-23	04-11-23	95	39	22	BDL	CLOUDY/CALM
04-11-23	05-11-23	96	40	21	BDL	CLOUDY/CALM
10-11-23	11-11-23	97	41	22	BDL	CLOUDY/CALM
11-11-23	12-11-23	96	37	24	BDL	CLOUDY/CALM
17-11-23	18-11-23	92	41	24	BDL	CLOUDY/CALM
18-11-23	19-11-23	93	41	25	BDL	CLOUDY/CALM
24-11-23	25-11-23	94	38	26	BDL	CLOUDY/CALM
25-11-23	26-11-23	98	36	24	BDL	CLOUDY/CALM
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

*K. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE DISCHARGE: NKCW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-11-23	8.37	52	60	BDL
24-11-23	8.38	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: NKCW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-11-23	8.36	20	32	BDL
24-11-23	8.12	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

CHP: NKCNI			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	69.2	68.5
NOV'23	24-11-23	66.3	65.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(KAMPTEE): NKCNI2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.3	41.4
NOV'23	24-11-23	42.2	41.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# PATANSAONGI UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/6	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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 <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-11-23	12-11-23	349	210	67	33	17	CLEAR/LIGHT BREEZE
16-11-23	17-11-23	381	229	60	36	18	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-11-23	12-11-23	99	44	22	BDL	CLEAR/LIGHT BREEZE
16-11-23	17-11-23	97	48	24	BDL	CLEAR/LIGHT BREEZE
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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-11-23	12-11-23	89	47	24	BDL	CLEAR/LIGHT BREEZE
16-11-23	17-11-23	98	52	27	BDL	CLEAR/LIGHT BREEZE
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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-11-23	12-11-23	88	45	23	BDL	CLEAR/LIGHT BREEZE
16-11-23	17-11-23	98	49	26	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

*A. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE DISCHARGE: NPTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
11-11-23	8.05	18	24	BDL
16-11-23	8.13	20	28	BDL
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>

*R. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

CHP: NPTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	66.3	65.4
NOV'23	24-11-23	66.2	65.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY: NPTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.2	41.3
NOV'23	24-11-23	42.2	41.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### SAONER UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/8	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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 <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :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:		16-11-23 TO 15-12-23

C.M OFFICE-SAONER-I UG NSNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
01-11-23	02-11-23	328	222	65	32	17	CLEAR/CALM
26-11-23	27-11-23	358	242	61	35	18	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
01-11-23	02-11-23	341	211	68	31	16	CLEAR/CALM
26-11-23	27-11-23	372	230	62	33	17	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
01-11-23	02-11-23	90	42	22	BDL		CLEAR/CALM
26-11-23	27-11-23	97	46	24	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
01-11-23	02-11-23	91	39	28	BDL		CLEAR/CALM
26-11-23	27-11-23	98	42	30	BDL		CLEAR/CALM
NAAQS, 2009		100	60	80	80		

*R. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

MINE WATER DISCHARGE I UG: NSNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-11-23	8.15	22	32	BDL
26-11-23	8.18	20	32	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
02-11-23	8.16	20	32	BDL
26-11-23	8.33	18	24	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
02-11-23	8.1	18	24	BDL
26-11-23	8.28	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

<b>FAN HOUSE-I: NSNUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	69.2	68.3
NOV'23	24-11-23	69.6	68.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

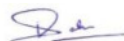
<b>FAN HOUSE-II: NSNUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	69.2	68.5
NOV'23	24-11-23	69.4	68.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>FAN HOUSE-III: NSNUN3</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	69.3	68.6
NOV'23	24-11-23	69.8	68.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: NSNUN4</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.3	41.4
NOV'23	24-11-23	42.2	41.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# SILEWARA UG

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/9	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-11-23	09-11-23	326	204	68	33	16	CLOUDY/CALM
22-11-23	23-11-23	355	223	63	36	17	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-11-23	09-11-23	327	208	67	34	15	CLOUDY/CALM
22-11-23	23-11-23	357	227	64	37	16	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
08-11-23	09-11-23	97	47	28	BDL	CLOUDY/CALM	
22-11-23	23-11-23	98	51	30	BDL	CLOUDY/CALM	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
08-11-23	09-11-23	95	45	27	BDL	CLOUDY/CALM	
22-11-23	23-11-23	96	49	29	BDL	CLOUDY/CALM	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

*R. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
08-11-23	8.27	30	44	BDL
22-11-23	8.08	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*A. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-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
NOV'23	11-11-23	69.2	68.3
NOV'23	24-11-23	69.3	68.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(SILEWARA): NSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	11-11-23	42.2	41.4
NOV'23	24-11-23	42.2	41.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# SINGORI OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 FC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/10	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

CONTRACTOR CAMP   NSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
09-11-23	10-11-23	340	209	61	33	17	CLOUDY/CALM
23-11-23	24-11-23	371	228	62	36	19	CLOUDY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	


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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
09-11-23	10-11-23	96	41	26	BDL		CLOUDY/CALM
23-11-23	24-11-23	94	45	28	BDL		CLOUDY/CALM
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

HINGNA VILLAGE   NSOA3							
DATE(dd:mm:yy) OF SAMPLING		SPM					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
09-11-23	10-11-23	95	43	28	BDL		CLOUDY/CALM
23-11-23	24-11-23	93	47	30	BDL		CLOUDY/CALM
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
09-11-23	10-11-23	94	42	28	BDL		CLOUDY/CALM
23-11-23	24-11-23	92	46	30	BDL		CLOUDY/CALM
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

*A. Anupama*

Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-1982
---	--------------------	--

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

MINE WATER DISCHARGE: NSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
09-11-23	8.08	20	32	BDL
23-11-23	8.19	24	36	BDL
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>

*A. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

<b>CONTRACTOR CAMP: NSON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	54.2	53.5
NOV'23	24-11-23	53.3	52.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>SOHALI VILLAGE: NSON2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.2	41.3
NOV'23	24-11-23	42.8	41.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

<b>NEAR DRILING SITE: NSON3</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	67.3	66.5
NOV'23	24-11-23	68.3	67.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>NEAR DOSING SITE: NSON4</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	66.2	65.4
NOV'23	24-11-23	67.2	66.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### WAGHODA - UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/NOV-23/7	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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 <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
01-11-23	02-11-23	327	223	68	32	15	CLEAR/CALM
27-11-23	28-11-23	357	243	64	35	16	RAINY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

AJANI VILLAGE   BNWUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
12-11-23	13-11-23	93	44	22	BDL		CLEAR/CALM
27-11-23	28-11-23	92	48	24	BDL		RAINY/CALM
NAAQS, 2009		100	60	80	80		

ADASA VILLAGE   BNWUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
12-11-23	13-11-23	94	41	21	BDL		CLEAR/CALM
28-11-23	29-11-23	93	45	23	BDL		RAINY/CALM
NAAQS, 2009		100	60	80	80		

BORGAON VILLAGE   BNWUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
12-11-23	13-11-23	95	44	22	BDL		CLEAR/CALM
28-11-23	29-11-23	94	48	24	BDL		RAINY/CALM
NAAQS, 2009		100	60	80	80		

*A. Anupama*

Analysed by

DHAPEWADA VILLAGE BNWUA5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
12-11-23	13-11-23	96	42	22	BDL	CLEAR/CALM
28-11-23	29-11-23	95	46	24	BDL	RAINY/CALM
NAAQS, 2009		100	60	80	80	

TAKLI VILLAGE BNWUA6						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
12-11-23	13-11-23	97	41	23	BDL	CLEAR/CALM
28-11-23	29-11-23	96	45	26	BDL	RAINY/CALM
NAAQS, 2009		100	60	80	80	

SAWANGI VILLAGE BNWUA7						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
12-11-23	13-11-23	98	40	22	BDL	CLEAR/CALM
28-11-23	29-11-23	97	44	24	BDL	RAINY/CALM
NAAQS, 2009		100	60	80	80	

*A. Singh*

Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	--

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

MINE WATER DISCHARGE: 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
01-11-23	8.09	18	24	BDL
28-11-23	7.95	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

AJANI VILLAGE		NWUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.2	41.4
NOV'23	24-11-23	42.3	41.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

ADASA VILLAGE		NWUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.3	41.5
NOV'23	24-11-23	42.2	41.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

BORGAON VILLAGE		NWUN3	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.3	41.6
NOV'23	24-11-23	42.2	41.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

DHAPEWADA VILLAGE		NWUN4	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.2	41.3
NOV'23	24-11-23	42.3	41.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



TAKLI VILLAGE		NWUN5	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.2	41.4
NOV'23	24-11-23	42.2	41.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

SAWANGI VILLAGE		NWUN6	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	42.2	41.5
NOV'23	24-11-23	42.2	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

NEAR MANAGER OFFICE		NWUN7	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	54.3	53.4
NOV'23	24-11-23	54.3	53.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### DINESH OCP

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




NOVEMBER 2023

Environment Laboratory

**CMPDI**

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

TEST REPORT NO.	RIN/TR/NOV-23/11	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

MANAGER OFFICE   UM30A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
07-11-23	08-11-23	235	132	36	11	10	Clear/calm
21-11-23	22-11-23	246	147	42	12	11	Clear/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
07-11-23	08-11-23	251	156	46	12	10	Clear/calm
21-11-23	22-11-23	265	162	48	13	11	Clear/calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
05-11-23	06-11-23	76	26	8	BDL	Clear / Calm	
06-11-23	07-11-23	74	24	6	BDL	Clear / Calm	
12-11-23	13-11-23	70	22	6	BDL	Clear / Calm	
13-11-23	14-11-23	72	24	7	BDL	Clear / Calm	
19-11-23	20-11-23	74	24	6	BDL	Clear / Calm	
20-11-23	21-11-23	76	26	8	BDL	Clear / Calm	
26-11-23	27-11-23	72	22	6	BDL	Clear / Calm	
27-11-23	28-11-23	70	24	7	BDL	Clear / Calm	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
05-11-23	06-11-23	70	22	6	BDL	Clear / Calm	
06-11-23	07-11-23	74	24	7	BDL	Clear / Calm	
12-11-23	13-11-23	72	25	6	BDL	Clear / Calm	
13-11-23	14-11-23	76	26	7	BDL	Clear / Calm	
19-11-23	20-11-23	74	25	7	BDL	Clear / Calm	
20-11-23	21-11-23	76	26	8	BDL	Clear / Calm	
26-11-23	27-11-23	70	22	6	BDL	Clear / Calm	
27-11-23	28-11-23	72	24	7	BDL	Clear / Calm	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

*J. Shrivastava*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
13-11-23	8.23	22	32	BDL
27-11-23	8.16	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM3OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-11-23	7.84	32	44	BDL
27-11-23	7.90	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shing*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

<b>SAMPLE DESCRIPTION</b>	<b>NOISE SAMPLE</b>
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
<b>SAMPLING METHOD</b>	LSOP 6

<b>PIT OFFICE UGON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'2023	14-11-23	20	20
NOV'2023	27-11-23	52.3	51.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

### GOKUL OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

Environment Laboratory

**CMPDI**

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/12	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

CONTRACTOR CAMP UGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14-11-23	15-11-23	245	142	37	13	11	Clear/ Calm
28-11-23	28-11-23	254	150	42	12	10	Clear/ Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
01-11-23	02-11-23	70	22	6	BDL	Clear/ Calm	
07-11-23	08-11-23	74	24	7	BDL	Clear/ Calm	
08-11-23	09-11-23	72	22	6	BDL	Clear/ Calm	
14-11-23	15-11-23	76	26	7	BDL	Clear/ Calm	
15-11-23	16-11-23	78	28	8	BDL	Clear/ Calm	
21-11-23	22-11-23	76	25	6	BDL	Clear/ Calm	
22-11-23	23-11-23	72	26	7	BDL	Clear/ Calm	
28-11-23	29-11-23	70	22	6	BDL	Clear/ Calm	
29-11-23	30-11-23	76	28	8	BDL	Clear/ Calm	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		


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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
01-11-23	02-11-23	78	28	8	BDL	Clear/ Calm	
07-11-23	08-11-23	75	25	7	BDL	Clear/ Calm	
08-11-23	09-11-23	72	22	6	BDL	Clear/ Calm	
14-11-23	15-11-23	76	24	7	BDL	Clear/ Calm	
15-11-23	16-11-23	70	22	6	BDL	Clear/ Calm	
21-11-23	22-11-23	74	26	7	BDL	Clear/ Calm	
22-11-23	23-11-23	73	24	6	BDL	Clear/ Calm	
28-11-23	29-11-23	76	26	7	BDL	Clear/ Calm	
29-11-23	30-11-23	72	22	6	BDL	Clear/ Calm	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

POLGAON VILLAGE UGOA4						
DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
01-11-23	02-11-23	70	22	6	BDL	Clear/ Calm
07-11-23	08-11-23	74	24	7	BDL	Clear/ Calm
08-11-23	09-11-23	76	26	8	BDL	Clear/ Calm
14-11-23	15-11-23	78	28	8	BDL	Clear/ Calm
15-11-23	16-11-23	72	24	6	BDL	Clear/ Calm
21-11-23	22-11-23	74	22	6	BDL	Clear/ Calm
22-11-23	23-11-23	76	26	7	BDL	Clear/ Calm
28-11-23	29-11-23	78	28	8	BDL	Clear/ Calm
29-11-23	30-11-23	70	22	6	BDL	Clear/ Calm
NAAQS, 2009		100	60	80	80	

*J. Shing*

Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	16-11-23 TO 15-12-23

MINE WATER DISCHARGE: UGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-11-23	8.19	32	40	BDL
28-11-23	8.22	34	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
13-11-23	7.92	22	32	BDL
28-11-23	7.8	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shrivastava*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL 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
NOV'2023	14-11-23	53.2	52.4
NOV'2023	27-11-23	53.8	52.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

CONTRACTOR CAMP: UGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'2023	14-11-23	54.2	53.4
NOV'2023	27-11-23	54.4	53.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik

Reviewed by



Deepanshu Sahu

Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# MAKARDHOKRA-II OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




NOVEMBER 2023

Environment Laboratory

**CMPDI**

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/14	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

NEAR MANAGER OFFICE		UMOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
01-11-23	02-11-23	253	150	46	13	11	Cloudy / Calm
15-11-23	16-11-23	240	142	42	12	10	Cloudy / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE		UMOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
01-11-23	02-11-23	236	137	38	12	10	Cloudy / Calm
15-11-23	16-11-23	245	144	42	13	11	Cloudy / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

KANWA VILLAGE		UJUA3				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
14-11-23	15-11-23	70	22	7	BDL	Cloudy / calm
28-11-23	29-11-23	72	26	8	BDL	Cloudy / calm
NAAQS, 2009		100	60	80	80	

NEAR PUMP HOUSE COLONY		UJUA4				ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
14-11-23	15-11-23	76	26	7	BDL	Cloudy / calm
28-11-23	29-11-23	78	28	8	BDL	Cloudy / calm
NAAQS, 2009		100	60	80	80	

*J. Shing*

Analysed by

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

**NOISE LEVEL MONITORING DATA**

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

NEAR PIT OFFICE: UMON1		NOISE LEVEL IN dB(A)	NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	DAY TIME
		DETECTION LIMIT	20
NOV'23	14-11-23	54.2	53.4
NOV'23	27-11-23	54.5	53.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




NOVEMBER 2023

Environment Laboratory

**CMPDI**

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

TEST REPORT NO.	RIN/TR/NOV-23/34	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14-11-23	15-11-23	246	142	42	12	10	Clear / Calm
28-11-23	29-11-23	237	139	37	13	11	Clear / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>th</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-11-23	06-11-23	72	24	7	BDL	Clear / Calm
06-11-23	07-11-23	70	22	6	BDL	Clear / Calm
12-11-23	13-11-23	74	26	7	BDL	Clear / Calm
13-11-23	14-11-23	76	28	8	BDL	Clear / Calm
19-11-23	20-11-23	70	21	6	BDL	Clear / Calm
20-11-23	21-11-23	76	25	7	BDL	Clear / Calm
26-11-23	27-11-23	72	22	6	BDL	Clear / Calm
27-11-23	28-11-23	74	24	7	BDL	Clear / Calm
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-11-23	06-11-23	76	26	7	BDL	Clear / Calm
06-11-23	07-11-23	74	24	8	BDL	Clear / Calm
12-11-23	13-11-23	72	22	6	BDL	Clear / Calm
13-11-23	14-11-23	70	21	6	BDL	Clear / Calm
19-11-23	20-11-23	74	24	7	BDL	Clear / Calm
20-11-23	21-11-23	72	24	7	BDL	Clear / Calm
26-11-23	27-11-23	70	22	6	BDL	Clear / Calm
27-11-23	28-11-23	72	24	7	BDL	Clear / Calm
NAAQS, 2009		100	60	80	80	

KHURSAPUR VILLAGE UM10A4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
05-11-23	06-11-23	75	27	8	BDL	Clear / Calm
06-11-23	07-11-23	70	22	6	BDL	Clear / Calm
12-11-23	13-11-23	76	26	7	BDL	Clear / Calm
13-11-23	14-11-23	72	24	8	BDL	Clear / Calm
19-11-23	20-11-23	70	22	6	BDL	Clear / Calm
20-11-23	21-11-23	78	30	8	BDL	Clear / Calm
26-11-23	27-11-23	74	24	7	BDL	Clear / Calm
27-11-23	28-11-23	76	26	6	BDL	Clear / Calm
NAAQS, 2009		100	60	80	80	
HEOTI VILLAGE UM10A5						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
05-11-23	06-11-23	72	22	6	BDL	Clear / Calm
06-11-23	07-11-23	74	24	7	BDL	Clear / Calm
12-11-23	13-11-23	76	26	8	BDL	Clear / Calm
13-11-23	14-11-23	70	22	6	BDL	Clear / Calm
19-11-23	20-11-23	76	24	7	BDL	Clear / Calm
20-11-23	21-11-23	72	22	6	BDL	Clear / Calm
26-11-23	27-11-23	75	24	6	BDL	Clear / Calm
27-11-23	28-11-23	72	26	7	BDL	Clear / Calm
NAAQS, 2009		100	60	80	80	



Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
13-11-23	8.27	30	40	BDL
27-11-23	8.07	34	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM10W2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-11-23	7.9	26	36	BDL
27-11-23	7.75	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shing*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL 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
NOV'2023	14-11-23	53.3	52.5
NOV'2023	27-11-23	53.8	52.3
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
NOV'2023	14-11-23	42.2	41.3
NOV'2023	27-11-23	43.4	42.3
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
NOV'2023	14-11-23	42.2	41.5
NOV'2023	27-11-23	43.6	42.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

### MORPAR UG

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




NOVEMBER 2023

Environment Laboratory

**CMPDI**

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/15	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-11-23	03-11-23	245	140	40	12	10	Cloudy / Calm
16-11-23	17-11-23	254	151	48	13	11	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-11-23	03-11-23	238	137	36	13	11	Cloudy / Calm
16-11-23	17-11-23	230	132	32	12	10	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	14	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-11-23	03-11-23	76	26	8	BDL	Cloudy / Calm
16-11-23	17-11-23	74	28	7	BDL	Cloudy / Calm
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-11-23	03-11-23	72	24	7	BDL	Cloudy / Calm
16-11-23	17-11-23	75	26	8	BDL	Cloudy / Calm
NAAQS, 2009		100	60	80	80	

*J. Chay*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL 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
NOV'2023	14-11-23	52.2	51.1
NOV'2023	27-11-23	52.6	51.8
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
NOV'2023	14-11-23	42.2	41.3
NOV'2023	27-11-23	42.9	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

**ENVIRONMENTAL MONITORING REPORT**

**UMRER OC**

UMRER AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4094423068



**NOVEMBER 2023**




**Environment Laboratory**

**CMPDI**

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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>		 TC-7102
TEST REPORT NO.	RIN/TR/NOV-23/16	DATE OF ISSUE	30-12-23	
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-11-23 TO 15-12-23		

UMRER MANAGER OFFICE UJOOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14-11-23	15-11-23	5	5	2	6	10	Cloudy / calm
28-11-23	29-11-23	232	134	38	11	10	
28-11-23	29-11-23	238	142	42	12	11	Cloudy / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


NEAR WORKSHOP UJOOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14-11-23	15-11-23	5	5	2	6	10	Cloudy / calm
28-11-23	29-11-23	247	140	40	12	10	
28-11-23	29-11-23	251	148	44	13	11	Cloudy / calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

KANWA VILLAGE UJOOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
14-11-23	15-11-23	5	2	6	BDL	Cloudy / calm	
28-11-23	29-11-23	72	24	7	BDL		
28-11-23	29-11-23	76	28	8	BDL	Cloudy / calm	
NAAQS, 2009		100	60	80	80		

NEAR PUMP HOUSE COLONY UJOOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
14-11-23	15-11-23	5	2	6	10	Cloudy / calm	
28-11-23	29-11-23	74	26	7	BDL		
28-11-23	29-11-23	80	29	8	BDL	Cloudy / calm	
NAAQS, 2009		100	60	80	80		

*J. Shrivastava*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 <b>TC-7102</b>
---	--------------------	---

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

MINE WATER DISCHARGE: <b>UUOW1</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14-11-23	7.91	30	40	BDL
28-11-23	7.61	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: <b>UUOW2</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14-11-23	8.06	24	36	BDL
28-11-23	7.97	32	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: <b>UUOW3</b>		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
14-11-23	32	10.4
28-11-23	30	11.8
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

*J. Shyam*

Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

<b>SAMPLE DESCRIPTION</b>	<b>NOISE SAMPLE</b>
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
<b>SAMPLING METHOD</b>	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
	NOV'2023	14-11-23	66.2
NOV'2023	27-11-23	65.8	64.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		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
	NOV'2023	14-11-23	42.2
NOV'2023	27-11-23	43.9	42.1
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		55	45



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# GHUGUS OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/17	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-11-23	14-11-23	297	196	63	23	12	CLOUDY / MODERATE BREEZE
20-11-23	21-11-23	278	187	61	21	11	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-11-23	14-11-23	314	198	61	22	11	CLOUDY / MODERATE BREEZE
20-11-23	21-11-23	308	179	58	20	10	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-11-23	14-11-23	94	37	17	BDL	CLOUDY / MODERATE BREEZE
20-11-23	21-11-23	83	34	16	BDL	CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-11-23	14-11-23	93	38	14	BDL	CLOUDY / MODERATE BREEZE
20-11-23	21-11-23	81	34	13	BDL	CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

  
 Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

CHP: WGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	65.3	64.8
NOV'23	25-11-23	68.3	67.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(GHUGUS): WGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	45.1	44.3
NOV'23	25-11-23	46.2	44.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### KOLGAON OC

WANI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/18	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-11-23	13-11-23	311	204	62	21	12	CLEAR / LIGHT BREEZE
27-11-23	28-11-23	302	197	59	22	11	CLEAR/ MODERATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-11-23	07-11-23	308	204	63	21	10	CLEAR / LIGHT BREEZE
18-11-23	19-11-23	289	184	59	19	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-11-23	13-11-23	94	36	16	BDL	CLEAR / LIGHT BREEZE
27-11-23	28-11-23	86	33	14	BDL	CLEAR/ MODERATE BREEZE
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-23	05-11-23	98	38	14	BDL	CLEAR / LIGHT BREEZE
05-11-23	06-11-23	93	41	16	BDL	CLOUDY / LIGHT BREEZE
11-11-23	12-11-23	88	43	17	BDL	CLOUDY / LIGHT BREEZE
12-11-23	13-11-23	82	37	15	BDL	CLOUDY / LIGHT BREEZE
18-11-23	19-11-23	87	41	14	BDL	CLEAR / LIGHT BREEZE
19-11-23	20-11-23	91	39	13	BDL	CLEAR / LIGHT BREEZE
25-11-23	26-11-23	84	40	16	BDL	CLOUDY / LIGHT BREEZE
26-11-23	27-11-23	81	34	14	BDL	CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-7102
---	--------------------	--

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

MINE WATER DISCHARGE: WKOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-11-23	7.45	28	36	BDL
27-11-23	7.84	34	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

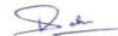
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

MANAGER OFFICE: WKON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	13-11-23	58.7	57.6
NOV'23	20-11-23	57.7	56.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(MUNGOLI): WKON2			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	13-11-23	46.5	45.1
NOV'23	20-11-23	45.9	44.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### MUGOLI OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/19	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

SUBSTATION   WMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-11-23	12-11-23	316	208	64	22	11	CLOUDY / CALM
25-11-23	26-11-23	298	201	61	20	10	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

SAM OFFICE   WMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-11-23	07-11-23	308	204	63	21	10	CLEAR / LIGHT BREEZE
18-11-23	19-11-23	289	184	59	19	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

KAILSHNAGAR TOWNSHIP - FILTER PLANT   WMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
04-11-23	05-11-23	98	38	14	BDL	CLEAR / LIGHT BREEZE	
05-11-23	06-11-23	93	41	16	BDL	CLOUDY / LIGHT BREEZE	
11-11-23	12-11-23	88	43	17	BDL	CLOUDY / LIGHT BREEZE	
12-11-23	13-11-23	82	37	15	BDL	CLOUDY / LIGHT BREEZE	
18-11-23	19-11-23	87	41	14	BDL	CLEAR / LIGHT BREEZE	
19-11-23	20-11-23	91	39	13	BDL	CLEAR / LIGHT BREEZE	
25-11-23	26-11-23	84	40	16	BDL	CLOUDY / LIGHT BREEZE	
26-11-23	27-11-23	81	34	14	BDL	CLOUDY / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

TUBEWELL NEAR SAKHARA VILLAGE   WMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
04-11-23	05-11-23	93	38	15	BDL	CLEAR / LIGHT BREEZE	
05-11-23	06-11-23	94	36	16	BDL	CLOUDY / LIGHT BREEZE	
11-11-23	12-11-23	88	41	17	BDL	CLOUDY / LIGHT BREEZE	
12-11-23	13-11-23	83	38	14	BDL	CLOUDY / LIGHT BREEZE	
18-11-23	19-11-23	103	42	15	BDL	CLEAR / LIGHT BREEZE	
19-11-23	20-11-23	91	37	16	BDL	CLEAR / LIGHT BREEZE	
25-11-23	26-11-23	101	34	17	BDL	CLOUDY / LIGHT BREEZE	
26-11-23	27-11-23	88	36	15	BDL	CLOUDY / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---


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

MINE WATER DISCHARGE: WMOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-11-23	7.29	50	32	BDL
26-11-23	7.63	62	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WMOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-11-23	7.60	34	40	BDL
26-11-23	6.87	38	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

CHP: <b>WMON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	66.8	65.2
NOV'23	20-11-23	65.6	64.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(MUNGOLI): <b>WMON2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	46.5	45.1
NOV'23	20-11-23	45.9	44.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

### NAIGAON OC

WANI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>		 TC-7102	
TEST REPORT NO.		RIN/TR/NOV-23/20		DATE OF ISSUE	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, 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 16-11-23 TO 15-12-23	

SAM OFFICE   WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-11-23	11-11-23	298	189	61	20	11	CLEAR / LIGHT BREEZE
27-11-23	28-11-23	322	213	63	22	12	CLEAR / MODRATE BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

WORKSHOP ETP NOCM   WNOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-11-23	12-11-23	314	208	63	22	11	CLEAR / CALM
18-11-23	19-11-23	284	179	61	20	10	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	60	120	120	

BELLORA REHABILITATION VILLAGE   WNGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
10-11-23	11-11-23	88	37	16	BDL		CLEAR / LIGHT BREEZE
27-11-23	28-11-23	93	41	14	BDL		CLEAR / MODRATE BREEZE
NAAQS, 2009		100	60	80	80		

FILTER PLANT NEAR VIP GUEST HOUSE   WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
10-11-23	11-11-23	89	40	15	BDL		CLEAR / LIGHT BREEZE
27-11-23	28-11-23	93	43	14	BDL		CLEAR / MODRATE BREEZE
NAAQS, 2009		100	60	80	80		



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
11-11-23	3.59	48	20	BDL
27-11-23	4.13	62	24	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
11-11-23	7.42	36	44	BDL
27-11-23	7.21	30	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

  
Analysed by



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

**NOISE LEVEL MONITORING DATA**

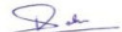
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

CHP: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	13-11-23	68.2	67.4
NOV'23	25-11-23	66.8	65.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(GHUGUS): WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	13-11-23	45.1	44.3
NOV'23	25-11-23	46.2	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

1. This report cannot be reproduced in part or full without written of the management.
2. Laboratory activities are performed at the Laboratory permanent facility that is ground 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

# NILJAI DEEP OC

WANI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/21	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

		CIVIL OFFICE- NILJAI   WNOA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
11-11-23	12-11-23	308	189	64	22	11	CLOUDY / MODERATE BREEZE
18-11-23	19-11-23	293	173	61	20	10	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	


		WORKSHOP ETP NOCM   WNOA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
11-11-23	12-11-23	314	208	63	22	11	CLOUDY / MODERATE BREEZE
18-11-23	19-11-23	284	179	61	20	10	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

		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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
04-11-23	05-11-23	78	41	17	BDL	CLEAR/ MODERATE
05-11-23	06-11-23	81	39	15	BDL	CLOUDY / LIGHT BREEZE
11-11-23	12-11-23	87	37	14	BDL	CLOUDY / LIGHT BREEZE
12-11-23	13-11-23	83	41	16	BDL	CLOUDY / LIGHT BREEZE
18-11-23	19-11-23	91	40	14	BDL	CLEAR / LIGHT BREEZE
19-11-23	20-11-23	87	38	16	BDL	CLEAR / LIGHT BREEZE
25-11-23	26-11-23	83	42	17	BDL	CLOUDY / LIGHT BREEZE
26-11-23	27-11-23	78	41	16	BDL	CLOUDY / LIGHT BREEZE
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

TARODA VILLAGE   WNOA4						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub> 5	PM <sub>2.5</sub> 2	NO <sub>2</sub> 6	SO <sub>2</sub> 10	
FROM	TO					
04-11-23	05-11-23	89	41	15	BDL	CLEAR/ MODERATE
05-11-23	06-11-23	72	39	16	BDL	CLOUDY / LIGHT BREEZE
11-11-23	12-11-23	93	37	17	BDL	CLOUDY / LIGHT BREEZE
12-11-23	13-11-23	88	38	16	BDL	CLOUDY / LIGHT BREEZE
18-11-23	19-11-23	84	36	14	BDL	CLEAR / LIGHT BREEZE
19-11-23	20-11-23	88	39	15	BDL	CLEAR / LIGHT BREEZE
25-11-23	26-11-23	94	39	16	BDL	CLOUDY / LIGHT BREEZE
26-11-23	27-11-23	93	40	16	BDL	CLOUDY / LIGHT BREEZE
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

MINE WATER DISCHARGE: WNOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-11-23	7.43	44	36	BDL
19-11-23	7.13	42	28	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
09-11-23	7.62	48	40	BDL
19-11-23	7.80	42	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)T.WATER: WNOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
09-11-23	74	10.8
19-11-23	68	12
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-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
NOV'23	13-11-23	65.8	64.3
NOV'23	25-11-23	61.9	60.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

CHP-NILJAI(S): WNON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	13-11-23	67.6	66.5
NOV'23	25-11-23	67.6	66.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(NILJAI): WNON3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	13-11-23	45.3	44.9
NOV'23	25-11-23	46.1	44.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# PENGANGA OC

WANI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
TEST REPORT NO.	RIN/TR/NOV-23/23	DATE OF ISSUE	30-12-23		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-11-23 TO 15-12-23	

MANAGER OFFICE   WPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
06-11-23	07-11-23	311	211	63	23	12	CLEAR / LIGHT BREEZE
25-11-23	26-11-23	286	191	59	21	11	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

NEAR MINE   WPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
06-11-23	07-11-23	289	204	61	20	BDL	CLEAR / LIGHT BREEZE
25-11-23	26-11-23	304	218	64	21	BDL	CLOUDY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	


VIRUR VILLAGE   WPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
04-11-23	05-11-23	93	39	15	BDL		CLEAR / MODERATE BREEZE
05-11-23	06-11-23	87	37	14	BDL		CLEAR / LIGHT BREEZE
11-11-23	12-11-23	83	41	13	BDL		CLOUDY / CALM
12-11-23	13-11-23	79	42	16	BDL		CLEAR / LIGHT BREEZE
18-11-23	19-11-23	102	38	17	BDL		CLEAR / LIGHT BREEZE
19-11-23	20-11-23	88	43	15	BDL		CLEAR / LIGHT BREEZE
25-11-23	26-11-23	76	36	16	BDL		CLOUDY / LIGHT BREEZE
26-11-23	27-11-23	89	33	14	BDL		CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80		

GADEGAON VILLAGE   WPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
04-11-23	05-11-23	92	34	14	BDL		CLEAR / MODERATE BREEZE
05-11-23	06-11-23	88	38	16	BDL		CLEAR / LIGHT BREEZE
11-11-23	12-11-23	81	37	17	BDL		CLOUDY / CALM
12-11-23	13-11-23	80	41	16	BDL		CLEAR / LIGHT BREEZE
18-11-23	19-11-23	108	40	14	BDL		CLEAR / LIGHT BREEZE
19-11-23	20-11-23	93	41	16	BDL		CLEAR / LIGHT BREEZE
25-11-23	26-11-23	79	43	17	BDL		CLOUDY / LIGHT BREEZE
26-11-23	27-11-23	92	48	16	BDL		CLOUDY / LIGHT BREEZE
NAAQS, 2009		100	60	80	80		



Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
09-11-23	7.97	30	40	BDL
26-11-23	7.54	34	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

NEAR WORKSHOP: WPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	13-11-23	59.9	58.4
NOV'23	20-11-23	60.9	58.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

# GHONSA OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

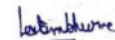
<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
TEST REPORT NO.	RIN/TR/NOV-23/23	DATE OF ISSUE	30-12-23		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-11-23 TO 15-12-23	

PROJECT MANAGER OFFICE   WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
12-11-23	13-11-23	287	203	32	15	BDL	CLEAR / CALM
26-11-23	27-11-23	260	185	40	14	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	


SAM OFFICE/ CANTEEN   WNKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
12-11-23	13-11-23	258	173	39	15	11	CLEAR / CALM
26-11-23	27-11-23	237	159	46	14	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

GHONSA VILLAGE   WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
12-11-23	13-11-23	93	27	8	BDL	CLEAR / CALM	
26-11-23	27-11-23	80	22	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)	
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
12-11-23	13-11-23	85	25	8	BDL	CLEAR / CALM	
26-11-23	27-11-23	76	20	9	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 :	16-11-23 TO 15-12-23

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-11-23	7.77	28	36	BDL
27-11-23	8.02	32	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*Latimkhane*

Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--


**NOISE LEVEL MONITORING DATA**

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

<b>MANAGER OFFICE: WNGON1</b>		<b>NOISE LEVEL IN dB(A)</b>	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	56.4	54.9
NOV'23	27-11-23	57.7	56.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY (GHONSA) WNGON2</b>		<b>NOISE LEVEL IN dB(A)</b>	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	44.6	43.1
NOV'23	27-11-23	46.3	44.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

  
 Ashwin B Wasnik  
 Reviewed by

  
 Deepanshu Sahu  
 Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### JUNAD OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/24	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

SAM OFFICE   WNJOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-11-23	06-11-23	283	234	40	15	12	CLEAR / CALM
19-11-23	20-11-23	293	214	33	16	11	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVEMBER 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
05-11-23	06-11-23	96	25	10	BDL		CLEAR / CALM
19-11-23	20-11-23	84	26	9	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		


BHALAR TOWNSHIP   WNJOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
06-11-23	07-11-23	80	22	8	BDL		CLEAR / CALM
20-11-23	21-11-23	93	26	9	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		

UKNI VILLAGE   WNJOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
06-11-23	07-11-23	84	25	10	BDL		CLEAR / CALM
20-11-23	21-11-23	96	20	8	BDL		CLEAR / CALM
NAAQS, 2009		100	60	80	80		

*labindhure*

Analysed by



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

MINE WATER DISCHARGE: 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
06-11-23	7.37	26	36	BDL
19-11-23	7.38	34	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
05-11-23	7.31	28	32	BDL
19-11-23	6.80	36	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*Labhandwritten*

Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--


**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE: WNJON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	55.3	53.2
NOV'23	27-11-23	56.5	55.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNJON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	45.3	44.1
NOV'23	27-11-23	46.5	44.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

  
 Ashwin B Wasnik  
 Reviewed by

  
 Deepanshu Sahu  
 Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

# KOLARPIMPRI OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

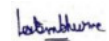
TEST REPORT NO.	RIN/TR/NOV-23/25	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-11-23	03-11-23	321	232	49	16	12	CLEAR / CALM
16-11-23	17-11-23	300	217	45	17	15	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-11-23	03-11-23	283	198	45	15	12	CLEAR / CALM
16-11-23	17-11-23	293	203	40	16	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
02-11-23	03-11-23	96	22	8	BDL	CLEAR / CALM	
03-11-23	04-11-23	88	20	9	BDL	CLEAR / CALM	
09-11-23	10-11-23	81	25	8	BDL	CLEAR / CALM	
10-11-23	11-11-23	90	28	10	BDL	CLEAR / CALM	
16-11-23	17-11-23	78	25	7	BDL	CLEAR / CALM	
17-11-23	18-11-23	92	21	8	BDL	CLEAR / CALM	
23-11-23	24-11-23	72	27	7	BDL	CLEAR / CALM	
24-11-23	25-11-23	81	22	9	BDL	CLEAR / CALM	
30-11-23	01-12-23	76	21	8	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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
02-11-23	03-11-23	79	23	7	BDL	CLEAR SKY / CALM	
03-11-23	04-11-23	82	21	8	BDL	CLEAR SKY / CALM	
09-11-23	10-11-23	76	26	10	BDL	CLEAR SKY / CALM	
10-11-23	11-11-23	91	28	9	BDL	CLEAR SKY / CALM	
16-11-23	17-11-23	88	26	8	BDL	CLEAR SKY / CALM	
17-11-23	18-11-23	71	20	10	BDL	CLEAR SKY / CALM	
23-11-23	24-11-23	79	22	9	BDL	CLEAR SKY / CALM	
24-11-23	25-11-23	84	30	8	BDL	CLEAR SKY / CALM	
30-11-23	01-12-23	80	20	8	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		



Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: WNKOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-11-23	7.33	26	40	BDL
24-11-23	7.89	30	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*labimkhare*

Analysed by

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

**NOISE LEVEL MONITORING DATA**

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

CHP: WNKON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	68.5	66.9
NOV'23	25-11-23	69.9	68.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	44.4	42.8
NOV'23	25-11-23	45.9	44.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

### PIMPALGAON OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/27	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

SAM OFFICE   WNPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
04-11-23	05-11-23	273	217	44	16	11	CLEAR/ CALM
18-11-23	19-11-23	260	198	48	17	13	CLEAR/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
04-11-23	05-11-23	245	192	48	16	14	CLEAR/ CALM
18-11-23	19-11-23	271	203	41	15	12	CLEAR/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

WATER FILTER PLANT PRAGATI NAGAR   WNKOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
02-11-23	03-11-23	79	23	7	BDL	CLEAR SKY / CALM	
03-11-23	04-11-23	82	21	8	BDL	CLEAR SKY / CALM	
09-11-23	10-11-23	76	26	10	BDL	CLEAR SKY / CALM	
10-11-23	11-11-23	91	28	9	BDL	CLEAR SKY / CALM	
16-11-23	17-11-23	88	26	8	BDL	CLEAR SKY / CALM	
17-11-23	18-11-23	71	20	10	BDL	CLEAR SKY / CALM	
23-11-23	24-11-23	79	22	9	BDL	CLEAR SKY / CALM	
24-11-23	25-11-23	84	30	8	BDL	CLEAR SKY / CALM	
30-11-23	01-12-23	80	20	8	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

BORGAON VILLAGE   WNJOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
05-11-23	06-11-23	96	25	10	BDL	CLEAR / CALM	
19-11-23	20-11-23	84	26	9	BDL	CLEAR / CALM	
NAAQS, 2009		100	60	80	80		

lab signature

Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: WNPOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-11-23	3.42	22	28	BDL
18-11-23	3.45	20	22	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*labimkhare*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**


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

CHP: WNPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	69.1	68.1
NOV'23	27-11-23	59.9	58.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	44.4	42.8
NOV'23	27-11-23	45.9	44.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/NOV-23/28	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-11-23	14-11-23	266	178	38	15	12	CLEAR / CALM
27-11-23	28-11-23	283	193	33	14	BDL	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-11-23	14-11-23	231	155	40	16	12	CLEAR / CALM
27-11-23	28-11-23	256	167	45	15	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-11-23	14-11-23	248	167	41	14	BDL	CLEAR / CALM
27-11-23	28-11-23	278	187	46	16	11	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-11-23	14-11-23	77	36	10	BDL	CLEAR / CALM
27-11-23	28-11-23	89	30	8	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

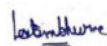
*labimkhane*

Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
13-11-23	8.1	26	36	BDL
27-11-23	7.84	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		NOV'23	13-11-23
NOV'23	27-11-23	58.8	57.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		NOV'23	13-11-23
NOV'23	27-11-23	45.3	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### UKNI DEEP OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
TEST REPORT NO.	RIN/TR/NOV-23/29	DATE OF ISSUE	30-12-23		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-11-23 TO 15-12-23			

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
06-11-23	07-11-23	297	234	38	15	BDL	CLEAR / CALM
20-11-23	21-11-23	273	201	46	16	12	CLEAR / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
06-11-23	07-11-23	80	22	8	BDL	CLEAR / CALM
20-11-23	21-11-23	93	26	9	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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
06-11-23	07-11-23	84	25	10	BDL	CLEAR / CALM
20-11-23	21-11-23	96	20	8	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

PIMPRI VILLAGE   WNKOA3						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	2	6	10	
02-11-23	03-11-23	96	22	8	BDL	CLEAR / CALM
03-11-23	04-11-23	88	20	9	BDL	CLEAR / CALM
09-11-23	10-11-23	81	25	8	BDL	CLEAR / CALM
10-11-23	11-11-23	90	28	10	BDL	CLEAR / CALM
16-11-23	17-11-23	78	25	7	BDL	CLEAR / CALM
17-11-23	18-11-23	92	21	8	BDL	CLEAR / CALM
23-11-23	24-11-23	72	27	7	BDL	CLEAR / CALM
24-11-23	25-11-23	81	22	9	BDL	CLEAR / CALM
30-11-23	01-12-23	76	21	8	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

*labkhur*  
Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
SAMPLE DESCRIPTION		Water sample			
Test Required		pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 4): 1993 (RA 2019)			
SAMPLING METHOD		LSOP 5		PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-11-23 TO 15-12-23	

MINE WATER DISCHARGE: WNUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-11-23	7.03	22	28	BDL
20-11-23	7.70	26	36	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
06-11-23	7.41	24	32	BDL
20-11-23	7.35	30	36	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
06-11-23	36	16
20-11-23	32	14
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

*labindure*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

CHP: WNUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	66.6	65.7
NOV'23	27-11-23	67.6	66.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

BHALAR COLONY: WNUON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	13-11-23	45.3	44.1
NOV'23	27-11-23	46.5	44.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

### AMBARA OC

KANHAN AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/67	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

MANAGER OFFICE KAOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-11-23	12-11-23	5	5	2	6	10	Clear/Light breeze
26-11-23	27-11-23	245	142	38	13	10	Clear/Light breeze
26-11-23	27-11-23	251	150	42	14	11	Clear/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PIT OFFICE- MOHAN KAU2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-11-23	10-11-23	5	5	2	6	10	Clear/Light breeze
25-11-23	26-11-23	235	138	36	11	10	Clear/Light breeze
25-11-23	26-11-23	242	149	44	13	12	Clear/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
09-11-23	10-11-23	5	2	6	10	Clear/Light breeze	
25-11-23	26-11-23	70	26	6	BDL	Clear/Light breeze	
25-11-23	26-11-23	74	28	7	BDL	Clear/Light breeze	
NAAQS, 2009		100	60	80	80		

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
08-11-23	09-11-23	5	2	6	10	Clear/Light breeze	
08-11-23	09-11-23	72	22	6	BDL	Clear/Light breeze	
25-11-23	26-11-23	76	24	7	BDL	Clear/Light breeze	
NAAQS, 2009		100	60	80	80		



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

<b>MANAGER OFFICE: KAON1</b>			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	50.6	46.7
NOV'23	25-11-23	51.5	50.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(MOHAN/MAORI): KMUN2</b>			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	06-11-23	43.4	42.2
NOV'23	25-11-23	43.6	42.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### AREA WORKSHOP

KANHAN AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/69	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
06-11-23	17-11-23	245	142	38	14	11	Clear / Light breeze
22-11-23	23-11-23	252	152	36	12	10	Clear / Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

*J. Shy*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

WORK SHOP PREMISES:		KAWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	06-11-23	50.2	49.3
NOV'23	22-11-23	52.5	50.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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





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

## ENVIRONMENTAL MONITORING REPORT

# GHORAWARI OC

KANHAN AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>		 TC-7102	
TEST REPORT NO.	RIN/TR/NOV-23/70	DATE OF ISSUE	30-12-23		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-11-23 TO 15-12-23	

MANAGER OFFICE-OC   KGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
07-11-23	08-11-23	228	132	30	11	10	Clear/ Light breeze
24-11-23	25-11-23	235	138	32	12	11	Clear/ Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI   KJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
07-11-23	08-11-23	252	148	38	13	11	Clear/ Light breeze
23-11-23	24-11-23	144	135	32	12	10	Clear/ Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA   KJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
06-11-23	07-11-23	72	24	7	BDL	Clear/ Light breeze	
22-11-23	23-11-23	76	26	6	BDL	Clear/ Light breeze	
NAAQS, 2009		100	60	80	80		

PANARA VILLAGE   KJUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
07-11-23	08-11-23	70	22	7	BDL	Clear/ Light breeze	
23-11-23	24-11-23	74	26	6	BDL	Clear/ Light breeze	
NAAQS, 2009		100	60	80	80		

*J. Shrivastava*  
Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

MINE WATER DISCHARGE: KGOW				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-11-23	7.99	26	36	BDL
24-11-23	7.93	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Ganj*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE:		KGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	06-11-23	47.6	46.4
NOV'23	23-11-23	44.2	43.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(JHARNA):		KGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	06-11-23	43.4	42.2
NOV'23	22-11-23	43.4	42.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# JHARNA / GHORAWARI UG

KANHAN AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/71	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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 <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-11-23	07-11-23	245	144	34	12	11	Clear/ Light breeze
22-11-23	23-11-23	234	134	32	11	10	Clear/ Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-11-23	08-11-23	252	148	38	13	11	Clear/ Light breeze
23-11-23	24-11-23	144	135	32	12	10	Clear/ Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-11-23	07-11-23	72	24	7	BDL	Clear/ Light breeze
22-11-23	23-11-23	76	26	6	BDL	Clear/ Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-11-23	08-11-23	70	22	7	BDL	Clear/ Light breeze
23-11-23	24-11-23	74	26	6	BDL	Clear/ Light breeze
NAAQS, 2009		100	60	80	80	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL 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
NOV'23	06-11-23	44.5	43.3
NOV'23	22-11-23	43.6	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY:		KJUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	06-11-23	43.4	42.2
NOV'23	22-11-23	43.4	42.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# MOHAN/ MAORI UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067




NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/72	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-11-23	10-11-23	232	134	36	11	10	Clear/Light breeze
25-11-23	26-11-23	238	140	42	12	11	Clear/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-11-23	12-11-23	245	142	38	13	10	Clear/Light breeze
26-11-23	27-11-23	251	150	42	14	11	Clear/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-11-23	10-11-23	70	26	6	BDL	Clear/Light breeze
25-11-23	26-11-23	74	28	7	BDL	Clear/Light breeze
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-11-23	09-11-23	72	22	6	BDL	Clear/Light breeze
25-11-23	26-11-23	76	24	7	BDL	Clear/Light breeze
NAAQS, 2009		100	60	80	80	

*J. Shrivastava*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	06-11-23	67.9	67.3
NOV'23	25-11-23	63.4	62.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(MOHAN MAORI):		KMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	06-11-23	43.4	42.2
NOV'23	25-11-23	43.6	42.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# NANDAN UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/73	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

SAM OFFICE- NANDAN I UG   KNUA1							
DATE(dd:mm:yy) ) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-11-23	08-11-23	247	142	42	12	11	Clear/Light breeze
23-11-23	24-11-23	238	138	36	11	10	Clear/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

PIT OFFICE NANADAN II UG   KNUA2							
DATE(dd:mm:yy) ) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-11-23	07-11-23	252	146	44	12	10	Clear/Light breeze
22-11-23	23-11-23	259	156	46	13	11	Clear/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

HEALTH CENTER-NANADAN UG   KNUA3							
DATE(dd:mm:yy) ) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
07-11-23	08-11-23	72	34	7	BDL	Clear/Light breeze	
23-11-23	24-11-23	76	36	8	BDL	Clear/Light breeze	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

NANDAN WATER FILTER PLANT   KNUA4							
DATE(dd:mm:yy) ) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
06-11-23	07-11-23	78	26	7	BDL	Clear/Light breeze	
22-11-23	23-11-23	80	28	8	BDL	Clear/Light breeze	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

*J. Choug*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: KNUW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-11-23	8.02	22	32	BDL
23-11-23	7.83	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shrivastava*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 <small>TC-7102</small>
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

<b>SAMPLE DESCRIPTION</b>	<b>NOISE SAMPLE</b>
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
<b>SAMPLING METHOD</b>	LSOP 6

<b>FAN HOUSE UG II: KNUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	NOV'23	05-11-23	68.7
NOV'23	22-11-23	68.7	67.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: KNUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	NOV'23	05-11-23	43.6
NOV'23	22-11-23	43.6	43.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

# ENVIRONMENTAL MONITORING REPORT

## SHARDA UG

KANHAN AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/74a	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-11-23	09-11-23	228	128	36	11	10	Clear/Light breeze
24-11-23	25-11-23	232	135	38	12	11	Clear/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
08-11-23	09-11-23	72	24	7	BDL	Clear/Light breeze	
24-11-23	25-11-23	76	26	8	BDL	Clear/Light breeze	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
08-11-23	09-11-23	74	28	7	BDL	Clear/Light breeze	
24-11-23	25-11-23	78	30	8	BDL	Clear/Light breeze	
NAAQS, 2009		100	60	80	80		

JAMUNBADA DARBAR VILLAGE   KSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
09-11-23	10-11-23	70	22	6	BDL	Clear/Light breeze	
24-11-23	25-11-23	72	24	7	BDL	Clear/Light breeze	
NAAQS, 2009		100	60	80	80		

*J. Singh*  
Analysed by




<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>		 TC-7102
SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G:			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-11-23 TO 15-12-23		

MINE WATER DISCHARGE: KSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-11-23	8.15	28	40	BDL
25-11-23	8.32	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shyng*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL 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
NOV'23	09-11-23	63.7	62.3
NOV'23	24-11-23	56.7	55.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

UMARIA FADALI VILLAGE		KSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'23	09-11-23	43.4	42.6
NOV'23	24-11-23	43.2	42.1
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

TATARWADA VILLAGE		KSUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'23	09-11-23	44.4	43.2
NOV'23	24-11-23	43.2	42.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# TANDSI UG

KANHAN AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/74	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

WORKSHOP  KTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-11-23	06-11-23	242	142	38	14	11	Clear/Light breeze
21-11-23	22-11-23	250	148	44	13	10	Clear/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

LAMP ROOM  KTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-11-23	06-11-23	238	138	36	13	11	Clear/Light breeze
21-11-23	22-11-23	248	146	42	11	10	Clear/Light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY NEAR HEALTH CENTER  KTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
05-11-23	06-11-23	72	26	6	BDL	Clear/Light breeze	
21-11-23	22-11-23	76	28	7	BDL	Clear/Light breeze	
NAAQS, 2009		100	60	80	80		

JET HOSTEL  KTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
05-11-23	06-11-23	78	28	7	BDL	Clear/Light breeze	
21-11-23	22-11-23	80	30	8	BDL	Clear/Light breeze	
NAAQS, 2009		100	60	80	80		

*J. Shrivastava*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 :	16-11-23 TO 15-12-23

MINE WATER DISCHARGE: KTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-11-23	7.98	34	44	BDL
22-11-23	7.86	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Ganj*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL 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
NOV'23	05-11-23	69.7	68.4
NOV'23	21-11-23	69.6	67.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(TANDSI):		KTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
NOV'23	05-11-23	44.2	43.5
NOV'23	21-11-23	43.5	42.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### BARKUHI OC

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
TEST REPORT NO.	RIN/TR/NOV-23/54	DATE OF ISSUE	30-12-23		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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 <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-11-23 TO 15-12-23	

MANAGER OFFICE PBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
12-11-23	13-11-23	299	211	31	13	BDL	CLEAR SKY / CALM
25-11-23	26-11-23	312	234	38	14	11	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

SAM OFFICE PBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
11-11-23	12-11-23	310	239	40	15	11	CLEAR SKY / CALM
24-11-23	25-11-23	326	251	31	14	10	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHANDAMETA WORKSHOP PCWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
12-11-23	13-11-23	310	231	36	15	10	CLEAR SKY / CALM
25-11-23	26-11-23	333	254	42	13	10	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CENTRAL SCHOOL PBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
12-11-23	13-11-23	73	26	9	BDL	CLEAR SKY / CALM	
25-11-23	26-11-23	86	20	8	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

*labindhore*  
Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

ETP DISCHARGE: PBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-11-23	8.19	30	40	BDL
25-11-23	9.12	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*lab signature*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

NEAR BARKUI HOSPITAL: PBON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	05-11-23	45.7	43.9
NOV'23	20-11-23	45.7	44.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

# CHANDAMETA WORKSHOP

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/55	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-11-23	13-11-23	310	231	36	15	10	CLEAR SKY / CALM
25-11-23	26-11-23	333	254	42	13	10	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

*Labimkhur*


Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

ETP DISCHARGE: PCWW1		ANALYSIS RESULTS			
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)	
11-11-23	8.21	26	36		BDL
25-11-23	8.35	22	32		BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250		10

*labidhore*  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

NEAR CHANDAMETA WORKSHOP:		PCWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
NOV'23	05-11-23	46.6	45.2
NOV'23	20-11-23	46.8	44.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

# ENVIRONMENTAL MONITORING REPORT

## CHINDA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067




NOVEMBER 2023



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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--


TEST REPORT NO.	RIN/TR/NOV-23/56	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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 <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

SAM OFFICE   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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
11-11-23	12-11-23	289	209	35	14	11	CLEAR SKY / CALM
24-11-23	25-11-23	302	224	29	13	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHINDA OC - SITE   PCOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
10-11-23	11-11-23	312	232	38	13	10	CLEAR SKY / CALM
23-11-23	24-11-23	331	263	45	15	11	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHINDA VILLAGE   PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
11-11-23	12-11-23	71	19	8	BDL		CLEAR SKY / CALM
24-11-23	25-11-23	82	25	9	BDL		CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80		

CHINDA COLONY   PNSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
10-11-23	11-11-23	82	20	10	BDL		CLEAR SKY / CALM
23-11-23	24-11-23	94	27	8	BDL		CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80		



Analysed by




<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

MINE WATER DISCHARGE: PCOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
08-11-23	8.27	24	36	BDL
24-11-23	8.15	22	40	BDL
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>

*labindure*  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

NEAR MANAGER OFFICE: PCON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	05-11-23	45.9	44.7
NOV'23	20-11-23	45.9	44.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY CHINDA: PCON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	05-11-23	45.4	44.6
NOV'23	20-11-23	44.8	43.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# DHANKASA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/66a	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-23	05-11-23	71	24	8	BDL	CLEAR SKY / CALM
17-11-23	18-11-23	83	28	9	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-23	05-11-23	68	27	9	BDL	CLEAR SKY / CALM
17-11-23	18-11-23	80	33	10	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-23	05-11-23	88	20	10	BDL	CLEAR SKY / CALM
17-11-23	18-11-23	92	26	8	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-23	05-11-23	70	19	9	BDL	CLEAR SKY / CALM
17-11-23	18-11-23	81	25	8	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-23	05-11-23	362	289	40	14	BDL	CLEAR SKY / CALM
17-11-23	18-11-23	339	246	32	13	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	


*labdhare*  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: PDUW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-11-23	8.32	36	36	BDL
17-11-23	8.23	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

BHUMKADHANA VILLAGE		PDUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	05-11-23	44.2	42.7
NOV'23	20-11-23	43.9	42.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

CHARUN KHAPA VILLAGE		PDUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	05-11-23	45.4	44.5
NOV'23	20-11-23	45.4	44.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

BANKI VILLAGE		PDUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	05-11-23	45.2	44.1
NOV'23	20-11-23	45.7	44.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

DIGHAWANI VILLAGE		PDUN4	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	05-11-23	45.1	43.8
NOV'23	20-11-23	44.2	43.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

MANAGER OFFICE		PDUN5	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	05-11-23	47.2	45.4
NOV'23	20-11-23	46.7	45.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# JAMUNIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/58	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-11-23	06-11-23	5	5	2	6	10	CLOUDY / CALM
18-11-23	19-11-23	310	222	35	14	10	CLOUDY / CALM
18-11-23	19-11-23	322	256	40	12	BDL	CLOUDY / CALM
23		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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-11-23	06-11-23	5	5	2	6		CLOUDY / CALM
18-11-23	19-11-23	299	243	30	13	BDL	CLOUDY / CALM
18-11-23	19-11-23	319	264	27	15	11	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVEMBER 2000		600	300	-	120	120	

JAMUNIA VILLAGE PJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
05-11-23	06-11-23	5	2	6	10		CLOUDY / CALM
18-11-23	19-11-23	73	21	9	BDL		CLOUDY / CALM
18-11-23	19-11-23	89	26	8	BDL		CLOUDY / CALM
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
06-11-23	07-11-23	5	2	6	10		CLEAR SKY / CALM
19-11-23	20-11-23	86	25	8	BDL		CLEAR SKY / CALM
19-11-23	20-11-23	93	21	9	BDL		CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80		

*labmdhure*

Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE: PJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
NOV'23	05-11-23	45.1	43.8
NOV'23	20-11-23	44.9	43.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# MAHADEOPURI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/59	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

MANAGER OFFICE PMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03-11-23	04-11-23	333	256	41	16	12	CLEAR SKY / CALM
16-11-23	17-11-23	352	269	31	14	11	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

LAMP ROOM PMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03-11-23	04-11-23	320	227	51	15	13	CLEAR SKY / CALM
16-11-23	17-11-23	341	247	44	14	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

GUEST HOUSE PARASIA PMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
03-11-23	04-11-23	85	26	9	BDL	CLEAR SKY / CALM	
16-11-23	17-11-23	93	22	10	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

COLONY EDC DISPENSARY PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
03-11-23	04-11-23	75	22	8	BDL	CLEAR SKY / CALM	
16-11-23	17-11-23	88	29	9	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

*labndure*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: PMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
03-11-23	8.27	30	40	BDL
16-11-23	7.9	22	32	BDL
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>

*labindure*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE: <b>PMUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		<b>DETECTION LIMIT</b>	<b>20</b>
NOV'23	05-11-23	69.7	68.1
NOV'23	20-11-23	69.6	68.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY: <b>PMUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		<b>DETECTION LIMIT</b>	<b>20</b>
NOV'23	05-11-23	45.6	43.9
NOV'23	20-11-23	45.4	44.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

### NEHARIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

TEST REPORT NO.	RIN/TR/NOV-23/60	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

<b>SAM OFFICE PNUA1</b>							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
06-11-23	07-11-23	341	271	43	15	11	CLEAR SKY / CALM
19-11-23	20-11-23	327	259	31	14	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

<b>LAMP ROOM/ SUBSTATION PNUA2</b>							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
06-11-23	07-11-23	361	277	39	16	14	CLEAR SKY / CALM
19-11-23	20-11-23	340	258	45	13	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

<b>NEHARIA VILLAGE PNUA3</b>							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
06-11-23	07-11-23	89	22	9	BDL	CLEAR SKY / CALM	
19-11-23	20-11-23	67	27	8	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

<b>BOKAI TOWNSHIP PNUA4</b>							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
		PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
FROM	TO	5	2	6	10		
06-11-23	07-11-23	86	25	8	BDL	CLEAR SKY / CALM	
19-11-23	20-11-23	93	21	9	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

lab  
signature

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: 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
05-11-23	8.19	22	32	BDL
19-11-23	8.13	36	44	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
05-11-23	8.42	24	36	BDL
19-11-23	8.37	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*labhandwara*  
Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE: PNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	05-11-23	69.4	68.1
NOV'23	20-11-23	69.8	68.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	05-11-23	45.4	44.2
NOV'23	20-11-23	45.7	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### NEW SETHIA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/61	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-11-23	11-11-23	321	245	31	14	BDL	CLEAR SKY / CALM
23-11-23	24-11-23	344	259	25	13	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVEMBER 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-11-23	12-11-23	289	209	35	14	11	CLEAR SKY / CALM
24-11-23	25-11-23	302	224	29	13	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVEMBER 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-11-23	12-11-23	71	19	8	BDL	CLEAR SKY / CALM
24-11-23	25-11-23	82	25	9	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-11-23	11-11-23	82	20	10	BDL	CLEAR SKY / CALM
23-11-23	24-11-23	94	27	8	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

MINE WATER DISCHARGE:		PSOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
08-11-23	8.22	26	40	BDL
23-11-23	8.14	22	36	BDL
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>

*lab/klm*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

NEAR MANAGER OFFICE: PSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	05-11-23	45.8	44.2
NOV'23	20-11-23	46.2	44.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		75	70

COLONY CHINDA: PCON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	05-11-23	45.4	44.6
NOV'23	20-11-23	44.8	43.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		55	45



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# SHIVPURI OC

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

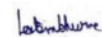
TEST REPORT NO.	RIN/TR/NOV-23/62	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-11-23	09-11-23	321	237	34	14	BDL	CLEAR SKY / CALM
21-11-23	22-11-23	349	251	30	12	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-11-23	10-11-23	366	289	37	17	14	CLEAR SKY / CALM
22-11-23	23-11-23	330	267	43	15	10	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-11-23	09-11-23	69	23	9	BDL	CLEAR SKY / CALM
21-11-23	22-11-23	82	28	8	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-11-23	12-11-23	71	19	8	BDL	CLEAR SKY / CALM
24-11-23	25-11-23	82	25	9	BDL	CLEAR SKY / CALM
NAAQS, 2009		100	60	80	80	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

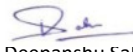
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015
SAMPLING METHOD	LSOP 6

NEAR MANAGER OFFICE: PSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	05-11-23	45.4	44.2
NOV'23	20-11-23	45.9	44.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY: PSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	05-11-23	45.1	44.5
NOV'23	20-11-23	45.8	44.1
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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





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

## ENVIRONMENTAL MONITORING REPORT

# THESGORA MATHANI UG

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/63	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
07-11-23	08-11-23	83	24	9	BDL	CLEAR / CALM
20-11-23	21-11-23	69	27	10	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

SAM OFFICE PTUA2						
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	
		5	5	2	6	10
07-11-23	08-11-23	351	263	39	15	11
20-11-23	21-11-23	369	276	45	13	BDL
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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	
		5	5	2	6	10
07-11-23	08-11-23	345	288	36	16	14
20-11-23	21-11-23	356	257	42	14	11
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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	2	6	10	
07-11-23	08-11-23	77	23	9	BDL	CLEAR / CALM
20-11-23	21-11-23	92	28	8	BDL	CLEAR / CALM
NAAQS, 2009		100	60	80	80	

*labindure*

Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

MINE WATER DISCHARGE: PTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-11-23	8.24	24	34	BDL
20-11-23	8.14	34	42	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*Lab signature*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE-MATHANI:		PTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'23	05-11-23	69.7	68.2
NOV'23	20-11-23	69.2	68.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY-THESGORA:		PTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'23	05-11-23	45.6	44.4
NOV'23	20-11-23	45.4	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### URDHAN OC

PENCH AREA

### WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/64	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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 <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

URDHAN MANAGER OFFICE		PUOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
05-11-23	06-11-23	355	279	38	14	BDL	CLEAR SKY / CALM
18-11-23	19-11-23	331	264	43	12	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	


URDHAN VILLAGE		PUOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
05-11-23	06-11-23	89	24	10	BDL	CLEAR SKY / CALM	
18-11-23	19-11-23	70	28	8	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

NEHARIA VILLAGE		PNUA3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
06-11-23	07-11-23	89	22	9	BDL	CLEAR SKY / CALM	
19-11-23	20-11-23	67	27	8	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

BOKAI TOWNSHIP		PNUA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
06-11-23	07-11-23	86	25	8	BDL	CLEAR SKY / CALM	
19-11-23	20-11-23	93	21	9	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

*lab signature*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

MINE WATER DISCHARGE: PUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-11-23	8.21	36	44	BDL
18-11-23	8.01	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: PUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-11-23	8.16	22	32	BDL
18-11-23	8.30	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*Lab signature*

Analysed by

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

**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE: PUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	05-11-23	46.7	45.7
NOV'23	20-11-23	47.6	45.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		75	70



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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





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

## ENVIRONMENTAL MONITORING REPORT

### VISHNUPURI-II UG

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

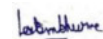
TEST REPORT NO.	RIN/TR/NOV-23/66	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

SAM OFFICE   PV1UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
09-11-23	10-11-23	356	278	40	16	11	CLEAR SKY / CALM
22-11-23	23-11-23	324	244	31	15	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

SUBSTATION   PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
09-11-23	10-11-23	366	289	37	17	14	CLEAR SKY / CALM
22-11-23	23-11-23	330	267	43	15	10	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI   PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
08-11-23	09-11-23	69	23	9	BDL	CLEAR SKY / CALM	
21-11-23	22-11-23	82	28	8	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		

CHINDA VILLAGE   PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
11-11-23	12-11-23	71	19	8	BDL	CLEAR SKY / CALM	
24-11-23	25-11-23	82	25	9	BDL	CLEAR SKY / CALM	
NAAQS, 2009		100	60	80	80		



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

MINE WATER DISCHARGE: PV2UW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-11-23	8.36	24	36	BDL
22-11-23	8.18	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*Signature*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE UG-II: PV2UN1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	05-11-23	69.7	68.2
NOV'23	20-11-23	69.8	68.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# CHATTARPUR I & II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/75	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	16-11-23 TO 15-12-23	

SUBSTATION- CHATTARPUR I UG   PKCUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
01-11-23	02-11-23	314	192	61	22	11	CLEAR / LIGHT BREEZE
18-11-23	19-11-23	267	179	59	20	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	


SAM OFFICE   PKCUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
01-11-23	02-11-23	308	190	62	21	11	CLEAR / LIGHT BREEZE
17-11-23	18-11-23	283	182	59	20	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

SUBSTATION-CHATTARPUR II UG   PKCUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
02-11-23	03-11-23	296	189	60	16	BDL	CLEAR / LIGHT BREEZE
18-11-23	19-11-23	281	181	56	15	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

CHATTARPUR VILLAGE   PKCUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
02-11-23	03-11-23	93	37	16	BDL	CLEAR / LIGHT BREEZE	
17-11-23	18-11-23	87	34	15	BDL	CLEAR / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 :	16-11-23 TO 15-12-23

<b>MINE WATER DISCHARGE-I UG: PKCUW1</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-11-23	8.32	34	36	BDL
18-11-23	8.08	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

<b>MINE WATER DISCHARGE II UG: PKCUW2</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-11-23	8.21	50	40	BDL
18-11-23	8.24	42	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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


FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'23	02-11-23	69.7	68.4
NOV'23	18-11-23	69.7	68.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

FAN HOUSE-II UG:		PKCUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'23	02-11-23	69.5	67.8
NOV'23	18-11-23	68.7	68.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY:		PKCUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'23	02-11-23	44.2	43.5
NOV'23	18-11-23	44.3	43.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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





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

## ENVIRONMENTAL MONITORING REPORT

### SARNI UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>		 TC-7102	
TEST REPORT NO.	RIN/TR/NOV-23/76	DATE OF ISSUE	30-12-23		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-11-23 TO 15-12-23	

SUBSTATION SARNI UG   PKSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-23	05-11-23	318	188	63	23	12	CLEAR / LIGHT BRIDGE
19-11-23	20-11-23	268	179	60	20	11	CLEAR / LIGHT BRIDGE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

NEAR DY. CME OFFICE   PKSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-23	05-11-23	281	186	63	22	12	CLEAR / LIGHT BRIDGE
19-11-23	20-11-23	294	175	61	21	BDL	CLEAR / LIGHT BRIDGE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

GM OFFICE ENTRANCE GATE   PKSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
03-11-23	04-11-23	83	41	17	BDL	CLEAR / LIGHT BRIDGE	
20-11-23	21-11-23	89	36	15	BDL	CLEAR / LIGHT BRIDGE	
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		100	60	80	80		

PATHAKHERA COLONY   PKSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
02-11-23	03-11-23	90	39	16	BDL	CLEAR / LIGHT BRIDGE	
18-11-23	19-11-23	86	36	17	BDL	CLEAR / LIGHT BRIDGE	
NAAQS, 2009		100	60	80	80		



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

MINE WATER DISCHARGE: PKSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-11-23	8.16	52	40	BDL
20-11-23	7.75	34	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

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

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'23	04-11-23	68.7	66.7
NOV'23	20-11-23	69.6	68.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(SARNI):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
NOV'23	04-11-23	43.6	42.3
NOV'23	20-11-23	44.7	43.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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



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

## ENVIRONMENTAL MONITORING REPORT

# SHOBHAPUR UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/77	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
01-11-23	02-11-23	308	201	62	22	BDL	CLEAR / LIGHT BREEZE
17-11-23	18-11-23	277	189	59	19	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-11-23	03-11-23	318	188	58	20	BDL	CLEAR / LIGHT BREEZE
18-11-23	19-11-23	284	181	54	19	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03-11-23	04-11-23	89	34	15	BDL	CLEAR / LIGHT BREEZE
19-11-23	20-11-23	97	33	14	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
01-11-23	02-11-23	102	37	17	BDL	CLEAR / LIGHT BREEZE
17-11-23	18-11-23	92	34	16	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	03-11-23	43.6	42.7
NOV'23	18-11-23	43.8	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(SHOBHAPUR):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	03-11-23	43.7	43.2
NOV'23	18-11-23	44.5	43.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# TAWA-II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067




NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/78	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-11-23 TO 15-12-23

MANAGER OFFICE- TAWA II   PKT2UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
03-11-23	04-11-23	312	198	63	22	BDL	CLEAR / LIGHT BREEZE
19-11-23	20-11-23	283	176	61	20	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	


SAM OFFICE   PKTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
03-11-23	04-11-23	294	198	56	21	BDL	CLEAR / LIGHT BREEZE
19-11-23	20-11-23	283	178	53	19	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000		600	300	-	120	120	

MPEB COLONY   PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
04-11-23	05-11-23	83	38	15	BDL	CLEAR / LIGHT BREEZE	
20-11-23	21-11-23	79	35	16	BDL	CLEAR / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		

HIRA PALLA/BHAGAIKHAPA VILLAGE   PKT2UA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)	
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
		5	2	6	10		
03-11-23	04-11-23	93	38	17	BDL	CLEAR / LIGHT BREEZE	
19-11-23	20-11-23	86	34	15	BDL	CLEAR / LIGHT BREEZE	
NAAQS, 2009		100	60	80	80		



Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

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

<b>MINE WATER DISCHARGE: PKTUW1</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-11-23	8.09	28	40	BDL
19-11-23	8.23	34	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		PKTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
NOV'23	03-11-23	69.6	68.4
NOV'23	19-11-23	69.7	68.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

# TAWA UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--

TEST REPORT NO.	RIN/TR/NOV-23/79	DATE OF ISSUE	30-12-23
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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 <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :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:		16-11-23 TO 15-12-23

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03-11-23	04-11-23	294	198	56	21	BDL	CLEAR / LIGHT BREEZE
19-11-23	20-11-23	283	178	53	19	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVEMBER 2000		600	300	-	120	120	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03-11-23	04-11-23	312	198	63	22	BDL	CLEAR / LIGHT BREEZE
19-11-23	20-11-23	283	176	61	20	BDL	CLEAR / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVEMBER 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-11-23	05-11-23	83	38	15	BDL	CLEAR / LIGHT BREEZE
20-11-23	21-11-23	79	35	16	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )				ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03-11-23	04-11-23	93	38	17	BDL	CLEAR / LIGHT BREEZE
19-11-23	20-11-23	86	34	15	BDL	CLEAR / LIGHT BREEZE
NAAQS, 2009		100	60	80	80	



Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-7102
---	--------------------	--

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

MINE WATER DISCHARGE: PKTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-11-23	8.16	42	36	BDL
19-11-23	8.34	38	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

<b>FAN HOUSE: PKTUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	03-11-23	67.7	66.4
NOV'23	19-11-23	69.4	68.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(TAWA): PKTUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
NOV'23	03-11-23	43.5	42.6
NOV'23	19-11-23	43.6	42.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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



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

## ENVIRONMENTAL MONITORING REPORT

### CWS TADALI

CWS TADALI

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




NOVEMBER 2023

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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
---	--------------------	--


TEST REPORT NO.	RIN/TR/NOV-23/53	DATE OF ISSUE	30-12-30
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance 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:		16-11-23 TO 15-12-23

SUBSTATION: CWSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-11-23	12-11-23	310	176	55	14	12	CLEAR/CALM
25-11-23	26-11-23	300	170	62	14	11	CLEAR/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

NEAR FILTER PLANT: CWSA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
11-11-23	12-11-23	60	36	12	10	CLEAR/CALM	
25-11-23	26-11-23	56	39	13	10	CLEAR/ CALM	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		

ADMINISTRATIVE BUILDING: CWSA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-11-23	12-11-23	172	46	32	15	11	CLEAR/CALM
25-11-23	26-11-23	161	45	38	14	12	CLEAR/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

CWS COLONY: CWSA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
11-11-23	12-11-23	50	40	13	10	CLEAR/CALM	
25-11-23	26-11-23	40	33	12	10	CLEAR/ CALM	
NAAQS, 2009		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 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 : 16-11-23 TO 15-12-23

ETP DISCHARGE: CWSW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-11-23	6.80	34	32	2.8
26-11-23	7.08	44	40	4.0
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
---	--------------------	---

**NOISE LEVEL MONITORING DATA**

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

<b>NEAR WORKSHOP: CWSN1</b>			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	57.6	56.3
NOV'23	20-11-23	57.8	56.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(CWS): CWSN2</b>			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
NOV'23	11-11-23	46.3	45.8
NOV'23	20-11-23	45.9	44.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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