

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. 4634420034



JUNE 2022

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report					
TEST REPORT NO.		RIN/TR/JUN-22/27		DATE OF ISSUE		28.07.2022	
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR					
CUSTOMER LETTER REFERENCE NO.		WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022					
TEST REQUIRED		SPM: IS 5182 Part-4:1999(RA 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)					
NAME OF AREA		BALLARPUR		SAMPLING PLAN : LQR 47			
NAME OF PROJECT		BALLARPUR OC					
SAMPLE DESCRIPTION		Air sample					
SAMPLING METHOD : LSOP 4							
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>	
08.06.2022	09.06.2022	242	148	46	12	10	Clear sky / Windy
23.06.2022	24.06.2022	228	152	42	10	BDL	Clear sky / Windy
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>	
05.06.2022	06.06.2022	238	165	62	14	BDL	Clear sky / Windy
22.06.2022	23.06.2022	242	154	56	12	BDL	Clear sky / Windy
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>	
05.06.2022	06.06.2022	222	138	46	7	BDL	Clear sky / Windy
22.06.2022	23.06.2022	228	124	42	6	BDL	Clear sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	
FILTER PLANT COLONY   BBUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
08.06.2022	09.06.2022	118	72	24	6	BDL	Clear sky / Windy
23.06.2022	24.06.2022	128	65	27	7	BDL	Clear sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

*J. Shrivastava*

Analysed by

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

*Deepanshu sahu*

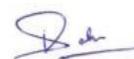
Deepanshu sahu  
Reviewed & Authorised By

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

MINE WATER DISCHARGE: BBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.06.2022	7.7	18	36	BDL
22.06.2022	7.68	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CHP: BBUN1</b>		<b>NOISE LEVEL IN dB(A)</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	11.06.2022	67.9	66.7
JUN'22	17.06.2022	66.5	65.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY BALLARPUR UG: BBUN2</b>		<b>NOISE LEVEL IN dB(A)</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	11.06.2022	44.6	43.6
JUN'22	17.06.2022	43.6	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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

## ENVIRONMENTAL MONITORING REPORT

# BALLARPUR UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



JUNE 2022

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/JUN-22/27	DATE OF ISSUE	28.07.2022	
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR			
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
NAME OF AREA	BALLARPUR	SAMPLING PLAN : LQR 47		
NAME OF PROJECT	BALLARPUR UG			
SAMPLE DESCRIPTION	Air sample			
SAMPLING METHOD : LSOP 4				

MANAGER OFFICE- BALLARPUR UG		BBUA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
09.06.2022	10.06.2022	232	142	44	10	BDL	Sunny / Calm
22.06.2022	23.06.2022	218	138	38	9	BDL	Cloudy Sky / Windy
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>	
08.06.2022	09.06.2022	222	152	57	11	BDL	Sunny / Calm
22.06.2022	23.06.2022	228	148	52	10	BDL	Cloudy Sky / Windy
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>	
08.06.2022	09.06.2022	218	132	47	8	BDL	Sunny / Calm
21.06.2022	22.06.2022	224	134	49	7	BDL	Cloudy Sky / Windy
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
09.06.2022	10.06.2022	122	52	22	7	BDL	Sunny / Calm
22.06.2022	23.06.2022	132	47	26	6	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

*J. Shrivastava*

Analysed by

*Deepanshu Sahu*

Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: BBUW1		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
09.06.2022	7.7	18	36	BDL
22.06.2022	7.68	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE: BBUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	73.7	72.7
JUN'22	17.06.2022	74.5	73.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: BBUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	44.6	43.6
JUN'22	17.06.2022	43.6	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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. 4634420034



JUNE 2022

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/JUN-22/30	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GOURI I & II A OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE-GOURI-I OC		BGOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
07.06.2022	08.06.2022	221	139	58	12	BDL	Sunny / Calm
21.06.2022	22.06.2022	228	142	52	11	BDL	Cloudy sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE GOURI SUB AREA		BGOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
06.06.2022	07.06.2022	242	132	42	9	BDL	Sunny / Calm
20.06.2022	21.06.2022	232	138	48	10	BDL	Cloudy sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT		BSOA3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
07.06.2022	08.06.2022	128	47	26	7	BDL	Sunny / Calm
21.06.2022	22.06.2022	132	42	24	6	BDL	Cloudy sky / Windy
NAAQS, 2009		-	100	60	80	80	

GOURI VILLAGE		BGOA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
05.06.2022	06.06.2022	132	57	24	7	BDL	Sunny / Calm
19.06.2022	20.06.2022	138	52	26	6	BDL	Cloudy sky / Windy
NAAQS, 2009		-	100	60	80	80	

*J. Shrivastava*

Analysed by

*Deepanshu sahu*

Deepanshu sahu

Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: BGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.06.2022	8.07	22	32	BDL
21.06.2022	7.68	24	36	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
07.06.2022	8.04	18	28	BDL
21.06.2022	7.62	14	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shrivastava*

Analysed by

*Deepanshu Sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

CHP: BGON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	65.8	64.9
JUN'22	17.06.2022	67.8	66.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

GOURI COLONY: BS0N2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	43.8	42.7
JUN'22	17.06.2022	44.6	43.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE 2022

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/JUN-22/27	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GOURI DEEP OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			


MANAGER OFFICE		BGDO1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>	
02.06.2022	03.06.2022	238	142	47	12	BDL	Cloudy sky / Calm
26.06.2022	27.06.2022	227	132	58	10	BDL	Cloudy sky / Windy
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>	
02.06.2022	03.06.2022	118	52	22	7	BDL	Cloudy sky / Calm
26.06.2022	27.06.2022	124	57	28	6	BDL	Cloudy sky / Windy
NAAQS, 2009		-	100	60	80	80	

GOYEGAON VILLAGE		BGDO3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>	
02.06.2022	03.06.2022	136	62	26	6	BDL	Cloudy sky / Calm
26.06.2022	27.06.2022	132	64	24	7	BDL	Cloudy sky / Windy
NAAQS, 2009		-	100	60	80	80	

ANTARGAON VILLAGE		BGDO4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>	
02.06.2022	03.06.2022	128	67	22	6	BDL	Cloudy sky / Calm
26.06.2022	27.06.2022	137	57	26	7	BDL	Cloudy sky / Windy
NAAQS, 2009		-	100	60	80	80	

  
Analysed by

  
Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: BGDW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02.06.2022	7.68	18	32	BDL
26.06.2022	7.28	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP) DISCHARGE: BGDW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
26.06.2022	7.52	16	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>MANAGER OFFICE:</b>		<b>BGON1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>DETECTION LIMIT</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
JUN'22	11.06.2022	57.5	56.8
JUN'22	17.06.2022	56.7	55.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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. 4634420034



JUNE 2022

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/JUN-22/31	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance		
NAME OF AREA	BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEW DHOPTALA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
08.06.2022	09.06.2022	239	147	57	11	BDL	Sunny / Calm
19.06.2022	20.06.2022	232	152	54	10	BDL	Cloudy Sky / Windy
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>	
09.06.2022	10.06.2022	242	165	67	13	BDL	Sunny / Calm
20.06.2022	21.06.2022	234	162	52	11	BDL	Cloudy Sky / Windy
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>	
08.06.2022	09.06.2022	128	57	26	7	BDL	Sunny / Calm
22.06.2022	23.06.2022	137	54	28	6	BDL	Cloudy Sky / Windy
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
09.06.2022	10.06.2022	132	62	22	8	BDL	Sunny / Calm
22.06.2022	23.06.2022	127	65	24	7	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

*J. Shrivastava*

Analysed by

*Deepanshu Sahu*

Deepanshu sahu  
Reviewed & Authorised By

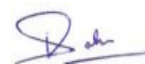
- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: 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
12.06.2022	7.77	18	28	BDL
20.06.2022	7.52	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



 Deepanshu sahu  
 Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CHP: BNDON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	64.8	63.8
JUN'22	17.06.2022	65.9	64.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>SASTI COLONY: BSUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	44.8	43.7
JUN'22	17.06.2022	44.7	43.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE 2022

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/JUN-22/33	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PAUNI II OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MINE OFFICE   BP2OA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
06.06.2022	07.06.2022	214	147	57	12	BDL	Sunny / Calm
20.06.2022	21.06.2022	228	158	68	11	BDL	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SUBSTATION   BP2OA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
06.06.2022	07.06.2022	222	132	52	10	BDL	Sunny / Calm
20.06.2022	21.06.2022	232	138	47	9	BDL	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAKHARI VILLAGE   BP2OA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
06.06.2022	07.06.2022	138	57	28	7	BDL	Sunny / Calm
20.06.2022	21.06.2022	122	52	26	6	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

WORKSHOP PAUNI OC   BPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
05.06.2022	06.06.2022	232	152	59	11	BDL	Cloudy Sky / Windy
19.06.2022	20.06.2022	222	147	52	10	BDL	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

*J. Shrivastava*

Analysed by

- This Report cannot be reproduced in part or full without written permission of the management.
- This report refers to the values related to the items tested.

*Deepanshu Sahu*

Deepanshu sahu

Reviewed & Authorised By

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

MINE WATER DISCHARGE: BP2OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.06.2022	7.66	18	28	BDL
20.06.2022	7.81	14	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



 Deepanshu sahu  
 Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>MANAGER OFFICE:</b>		<b>BPON1</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JUN'22	11.06.2022	56.8	55.8
JUN'22	17.06.2022	57.8	56.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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. 4634420034



JUNE 2022

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/JUN-22/32	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		

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

MANAGER OFFICE-POUNI OC BPOA1							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
05.06.2022	06.06.2022	228	152	64	13	BDL	Cloudy Sky / Calm
19.06.2022	20.06.2022	218	142	56	12	BDL	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

WORKSHOP PAUNI OC BPOA2							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
05.06.2022	06.06.2022	232	152	59	11	BDL	Cloudy Sky / Calm
19.06.2022	20.06.2022	222	147	52	10	BDL	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PAUNI VILLAGE BPOA3							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
05.06.2022	06.06.2022	122	52	24	7	BDL	Cloudy Sky / Calm
19.06.2022	20.06.2022	118	58	26	6	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

GOURI VILLAGE BGOA4							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
05.06.2022	06.06.2022	132	57	24	7	BDL	Cloudy Sky / Calm
19.06.2022	20.06.2022	138	52	26	6	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

*J. Shrivastava*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: BPOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.06.2022	7.15	16	36	BDL
19.06.2022	7.53	20	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
05.06.2022	7.79	22	32	BDL
19.06.2022	7.4	16	26	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shrivastava*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<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
JUN'22	11.06.2022	56.6	55.7
JUN'22	17.06.2022	57.6	56.7
<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
JUN'22	11.06.2022	43.8	42.7
JUN'22	17.06.2022	44.6	43.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE 2022

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/JUN-22/34	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SASTI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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>	
07.06.2022	08.06.2022	238	152	52	11	BDL	Sunny / Calm
21.06.2022	22.06.2022	228	142	47	10	BDL	Cloudy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	16	

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>	
07.06.2022	08.06.2022	222	138	38	11	BDL	Sunny / Calm
21.06.2022	22.06.2022	232	144	32	10	BDL	Cloudy / Windy
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
07.06.2022	08.06.2022	128	47	26	7	BDL	Sunny / Calm
21.06.2022	22.06.2022	132	42	24	6	BDL	Cloudy / Windy
NAAQS, 2009		-	100	60	80	80	

SASTI VILLAGE BSUA4							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>	
09.06.2022	10.06.2022	132	62	22	8	BDL	Sunny / Calm
22.06.2022	23.06.2022	127	65	24	7	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

*J. Shrivastava*

Analysed by

*Deepanshu sahu*

Deepanshu sahu

Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: BSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.06.2022	7.91	24	32	BDL
21.06.2022	7.7	16	26	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BSOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.06.2022	8.16	16	26	BDL
21.06.2022	7.44	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: BSOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
07.06.2022	22	10.8
21.06.2022	24	10.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CHP:</b>		<b>BSON1</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	67.7	66.8
JUN'22	17.06.2022	66.7	65.7
<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
JUN'22	11.06.2022	43.8	42.7
JUN'22	17.06.2022	44.6	43.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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. 4634420034



JUNE 2022

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/JUN-22/35	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	BALLARPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SASTI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
08.06.2022	09.06.2022	239	147	57	11	10	Sunny / Calm
19.06.2022	20.06.2022	232	152	54	10	BDL	Cloudy Sky / Windy
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>	
09.06.2022	10.06.2022	242	165	67	13	BDL	Sunny / Calm
20.06.2022	21.06.2022	234	162	52	11	BDL	Cloudy Sky / Windy
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>	
08.06.2022	09.06.2022	128	57	26	7	BDL	Sunny / Calm
22.06.2022	23.06.2022	137	54	28	6	BDL	Cloudy Sky / Windy
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>	
09.06.2022	10.06.2022	132	62	22	8	BDL	Sunny / Calm
22.06.2022	23.06.2022	127	65	24	7	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

*J. Shrivastava*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE:</b>		<b>BSUN1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	11.06.2022	44.6	43.7
JUN'22	17.06.2022	43.8	42.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>SASTI COLONY:</b>		<b>BSUN2</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	11.06.2022	44.8	43.7
JUN'22	17.06.2022	44.7	43.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE - 2022

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/JUN-22/17	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	BHATADI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

BHATADI SECURITY POST CBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	263	167	57	17	10	Cloudy sky / Lightbreeze
19.06.2022	20.06.2022	297	158	53	18	12	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

BHATADI MANAGER OFFICE CBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	257	138	55	18	11	Cloudy sky / Lightbreeze
19.06.2022	20.06.2022	285	145	54	20	13	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

BHATADI VILLAGE CBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	145	65	28	9	BDL	Cloudy sky / Lightbreeze
19.06.2022	20.06.2022	161	59	30	11	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	

VADHOLI VILLAGE CBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	151	59	29	8	BDL	Cloudy sky / Lightbreeze
19.06.2022	20.06.2022	169	52	28	9	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu

Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: CBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.06.2022	8.13	32	44	BDL
20.06.2022	7.88	34	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	

ETP DISCHARGE: CBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.06.2022	7.87	28	36	BDL
20.06.2022	7.42	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	

STP(DOMESTIC EFFLUENT)TREATED: CBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
05.06.2022	54	10.8
20.06.2022	52	11.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CHP: CBON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	69.7	68.3
JUN'22	28.06.2022	65.5	64.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: CBON2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	42.3	41.5
JUN'22	28.06.2022	44.3	43.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034




JUNE - 2022

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/JUN-22/18	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	CRC UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

MANAGER OFFICE MAHAKALI UG CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	261	149	59	18	12	Cloudy / Lightbreeze
23.06.2022	24.06.2022	286	142	52	17	14	Cloudy / Windy
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>	
12.06.2022	13.06.2022	278	170	57	17	10	Cloudy / Lightbreeze
23.06.2022	24.06.2022	288	163	54	15	12	Cloudy / Windy
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>	
12.06.2022	13.06.2022	263	177	59	18	11	Cloudy / Lightbreeze
23.06.2022	24.06.2022	276	169	53	19	13	Cloudy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	132	58	23	9	BDL	Cloudy / Lightbreeze
23.06.2022	24.06.2022	149	61	22	10	BDL	Cloudy / Windy
NAAQS, 2009		-	100	60	80	80	

*R. Anupurna*

Analysed by

*[Signature]*

Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CHP: CCRUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	67.2	66.7
JUN'22	28.06.2022	67.9	68.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: CCRUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	40.9	40.1
JUN'22	28.06.2022	42.9	41.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE - 2022

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/JUN-22/19	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	DRC UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(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>	
06.06.2022	07.06.2022	264	138	60	17	10	Cloudy / Windy
21.06.2022	22.06.2022	281	131	58	19	12	Rainy / Windy
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>	
07.06.2022	08.06.2022	238	131	51	16	11	Cloudy / Windy
22.06.2022	23.06.2022	251	123	53	12	13	Rainy / Windy
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>	
07.06.2022	08.06.2022	148	57	31	9	BDL	Cloudy / Windy
22.06.2022	23.06.2022	168	50	26	10	BDL	Rainy / Windy
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>	
07.06.2022	08.06.2022	237	118	55	18	11	Cloudy / Windy
22.06.2022	23.06.2022	246	120	44	20	13	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

*R. Annapurna*

Analysed by

*[Signature]*

Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: CDRUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.06.2022	7.87	20	28	BDL
22.06.2022	7.18	18	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE: CDRUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JUN'22	07.06.2022	71.5	70.4
JUN'22	28.06.2022	73.8	72.9
<b>NOISE POLLUTION (REGULATION AND</b>		<b>75</b>	<b>70</b>

<b>DURGAPUR COLONY: CDRUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JUN'22	07.06.2022	40.7	39.8
JUN'22	28.06.2022	43.6	42.7
<b>NOISE POLLUTION (REGULATION AND</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE - 2022

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/JUN-22/20	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	DURGAPUR OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE-SECTOR V   CDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	245	152	56	16	11	Cloudy / Windy
21.06.2022	22.06.2022	269	144	50	18	13	Rainy / Windy
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>	

DURGAPUR VILLAGE   CDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	168	60	29	9	BDL	Cloudy / Windy
21.06.2022	22.06.2022	176	53	28	8	BDL	Rainy / Windy
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

MANAGER OFFICE Q-IV   CPOA1(Padmapur)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05.06.2022	06.06.2022	225	150	59	17	10	Cloudy / Windy
20.06.2022	21.06.2022	257	149	58	19	12	Rainy / Windy
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>	

FILTER PLANT DOC/POC COLONY   CDOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	167	64	28	10	BDL	Cloudy / Windy
21.06.2022	22.06.2022	198	57	26	11	BDL	Rainy / Windy
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



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

MINE WATER DISCHARGE Q-II CDOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.06.2022	7.65	26	32	BDL
22.06.2022	7.8	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE Q-IV CDOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.06.2022	8.12	28	36	BDL
22.06.2022	7.34	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): CDOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.06.2022	8.05	28	36	BDL
22.06.2022	7.38	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT): CDOW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
07.06.2022	42	12.6
21.06.2022	40	11.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CHP</b>		<b>CDON1</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	67.2	66.5
JUN'22	28.06.2022	64.5	63.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>DURGAPUR COLONY:</b>		<b>CDON2</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	40.7	39.8
JUN'22	28.06.2022	43.6	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE - 2022

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/JUN-22/22	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	HLP I & III UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SUBSTATION HLC I UG   CHUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13.06.2022	14.06.2022	256	173	56	18	12	Cloudy / Lightbreeze
28.06.2022	29.06.2022	272	186	57	19	14	Cloudy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PIT OFFICE - HLC-I INCLINE   CHUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	244	177	60	17	11	Cloudy / Lightbreeze
27.06.2022	28.06.2022	268	167	53	18	13	Cloudy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

HLC-III COLONY   CHUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	158	61	31	9	BDL	Cloudy / Lightbreeze
26.06.2022	27.06.2022	189	67	27	10	BDL	Cloudy / Windy
NAAQS, 2009		-	100	60	80		

RAJIV GANDHI ENGG. COLLEGE   CHUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					Rainy/Windy
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07.06.2022	08.06.2022	172	71	30	10	BDL	Cloudy / Lightbreeze
23.06.2022	24.06.2022	176	64	28	9	10	Cloudy / Windy
NAAQS, 2009		-	100	60	80	80	

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE(HLP-III): CHUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.06.2022	7.35	22	32	BDL
26.06.2022	7.07	20	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE(HLP-I): CHUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.06.2022	7.72	32	44	BDL
27.06.2022	6.94	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu

Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE-I:</b>		<b>CHUN1</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	69.7	68.9
JUN'22	28.06.2022	74.6	73.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY:</b>		<b>CHUN2</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	41.4	40.7
JUN'22	28.06.2022	44.6	43.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE - 2022

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-7192
---	--------------------	--

TEST REPORT NO.	RIN/TR/JUN-22/21	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	HLP OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14.06.2022	15.06.2022	297	163	60	17	12	Cloudy / Lightbreeze
28.06.2022	29.06.2022	250	150	53	15	14	Cloudy / Windy
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>	
13.06.2022	14.06.2022	263	149	63	17	12	Cloudy / Lightbreeze
27.06.2022	28.06.2022	274	153	57	18	14	Cloudy / Windy
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>	
13.06.2022	14.06.2022	148	57	31	9	BDL	Cloudy / Lightbreeze
27.06.2022	28.06.2022	165	59	28	8	BDL	Cloudy / Windy
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14.06.2022	15.06.2022	153	51	31	9	BDL	Cloudy / Lightbreeze
28.06.2022	29.06.2022	160	62	27	10	BDL	Cloudy / Windy
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

1 This Report cannot be reproduced in part or full without written permission of the management.



2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: CHOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13.06.2022	2.48	48	52	BDL
27.06.2022	2.68	46	56	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CHP</b>		<b>CHON1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	07.06.2022	69.2	68.1
JUN'22	28.06.2022	67.8	66.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY HLP:</b>		<b>CHON2</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	07.06.2022	42.3	41.5
JUN'22	28.06.2022	43.5	42.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

STRICTLY RESTRICTED  
FOR COMPANY USE ONLY

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

## ENVIRONMENTAL MONITORING REPORT

# MAHAKALI UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



JUNE - 2022

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/JUN-22/23	DATE OF ISSUE	30.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	MAHAKALI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

MANAGER OFFICE MAHAKALI UG   CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	261	149	59	18	12	Cloudy / Lightbreeze
23.06.2022	24.06.2022	286	142	52	17	14	Cloudy / Windy
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>	
12.06.2022	13.06.2022	278	170	57	17	10	Cloudy / Lightbreeze
23.06.2022	24.06.2022	288	163	54	15	12	Cloudy / Windy
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>	
12.06.2022	13.06.2022	263	177	59	18	11	Cloudy / Lightbreeze
23.06.2022	24.06.2022	276	169	53	19	13	Cloudy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG)   CMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	132	58	23	7	BDL	Cloudy / Lightbreeze
23.06.2022	24.06.2022	149	61	22	10	BDL	Cloudy / Windy
NAAQS, 2009		-	100	60	80	80	

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: CMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12.06.2022	7.59	24	36	BDL
23.06.2022	7.5	22	32	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE: CMUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	69.7	68.4
JUN'22	28.06.2022	74.6	73.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(MAHAKALI): CMUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	41.5	40.3
JUN'22	28.06.2022	44.6	43.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034




**JUNE - 2022**

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/JUN-22/24	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MANA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD	LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13.06.2022	14.06.2022	246	131	57	18	10	Cloudy / Lightbreeze
27.06.2022	28.06.2022	261	128	52	17	12	Cloudy / Windy
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>	
13.06.2022	14.06.2022	235	145	55	19	11	Cloudy / Lightbreeze
27.06.2022	28.06.2022	253	146	56	18	13	Cloudy / Windy
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>	
14.06.2022	15.06.2022	153	51	31	9	BDL	Cloudy / Lightbreeze
28.06.2022	29.06.2022	160	62	27	10	BDL	Cloudy / Windy
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>	
13.06.2022	14.06.2022	148	57	31	9	BDL	Cloudy / Lightbreeze
27.06.2022	28.06.2022	165	59	28	8	BDL	Cloudy / Windy
		-	100	60	80	80	

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: CMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13.06.2022	8.06	28	36	BDL
27.06.2022	7.66	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Annapurna*

Analysed by

*Deepanshu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE:</b>		<b>CMUN1</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	72.3	71.5
JUN'22	28.06.2022	75.8	75.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(HLP OC):</b>		<b>CHON2</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	42.3	41.5
JUN'22	28.06.2022	43.5	42.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE - 2022

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-7182
---	--------------------	--

TEST REPORT NO.	RIN/TR/JUN-22/25	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NANDGAON UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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>	
14.06.2022	15.06.2022	297	163	60	17	12	Clear / Lightbreeze
28.06.2022	29.06.2022	250	150	53	15	14	Clear / Lightbreeze
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>	
13.06.2022	14.06.2022	246	131	57	18	10	Clear / Lightbreeze
27.06.2022	28.06.2022	261	128	52	17	12	Clear / Lightbreeze
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13.06.2022	14.06.2022	148	57	31	9	BDL	Clear / Lightbreeze
27.06.2022	28.06.2022	165	59	28	8	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

COLONY (NANDGAON)		CNUA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14.06.2022	15.06.2022	153	51	31	9	BDL	Clear / Lightbreeze
28.06.2022	29.06.2022	160	62	27	10	BDL	Clear / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: CNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.06.2022	7.98	20	28	BDL
28.06.2022	7.72	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE:</b>		<b>CNUN1</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JUN'22	07.06.2022	70.4	69.7
JUN'22	28.06.2022	76.5	75.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY HLP OC:</b>		<b>CHON2</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JUN'22	07.06.2022	42.3	41.5
JUN'22	28.06.2022	43.5	42.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034




JUNE - 2022

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/JUN-22/26	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PADMAPUR OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE Q-IV/ CPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05.06.2022	06.06.2022	225	150	59	17	10	Sunny / Lightbreeze
20.06.2022	21.06.2022	257	149	58	19	12	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

WARWAT VILLAGE/ CPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05.06.2022	06.06.2022	132	54	26	9	BDL	Sunny / Lightbreeze
20.06.2022	21.06.2022	173	47	25	11	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	

KITADI VILLAGE/ CPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05.06.2022	06.06.2022	125	52	27	11	BDL	Sunny / Lightbreeze
20.06.2022	21.06.2022	151	45	24	13	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	

VICHODA RAYATWARI VILLAGE/ CPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05.06.2022	06.06.2022	137	53	30	8	BDL	Sunny / Lightbreeze
20.06.2022	21.06.2022	146	49	28	10	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE SECTOR III: CPOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.06.2022	3.07	42	56	BDL
21.06.2022	4.09	48	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: CPOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.06.2022	8.15	36	48	BDL
21.06.2022	7.68	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE SECTOR IV: CPOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.06.2022	8.05	32	44	BDL
21.06.2022	8	38	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Annapurna*

Analysed by

*Deepanshu sahu*

Deepanshu sahu

Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CHP:</b>		<b>CPON1</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	68.3	67.2
JUN'22	28.06.2022	63.7	62.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>DURGAPUR COLONY:</b>		<b>CDON2</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	40.7	39.8
JUN'22	28.06.2022	43.6	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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

# JUNA KUNADA OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




JUNE - 2022

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/JUN-22/50	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	JUNA KUNADA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PIT OFFICE   MJOA1							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
05.06.2022	06.06.2022	245	157	45	16	BDL	Cloudy Sky / Moderatebreeze
20.06.2022	21.06.2022	289	187	54	17	BDL	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE CHARGAON   MJOA2							
DATE(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>	
06.06.2022	06.06.2022	264	165	39	17	BDL	Cloudy Sky / Moderatebreeze
21.06.2022	22.06.2022	286	182	42	13	BDL	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

EKTA NAGAR COLONY   MJOA3							
DATE(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>	
06.06.2022	06.06.2022	152	82	30	16	BDL	Cloudy Sky / Moderatebreeze
21.06.2022	22.06.2022	108	65	32	14	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

CHARGAON INTAKE WELL   MJOA4							
DATE(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>	
06.06.2022	06.06.2022	150	84	24	12	BDL	Cloudy Sky / Moderatebreeze
21.06.2022	22.06.2022	112	66	20	12	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>MANAGER OFFICE:</b>		<b>MJON1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	09.06.2022	50.3	49.5
JUN'22	24.06.2022	51.4	50.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>EKTA NAGAR COLONY:</b>		<b>MTON2</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	09.06.2022	47.4	46.2
JUN'22	24.06.2022	45.1	44.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE - 2022

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/JUN-22/52	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEW MAJRI-II(A) OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	245	176	38	15	BDL	Cloudy / Rainy sky windy
19.06.2022	20.06.2022	250	159	32	12	BDL	Cloudy / Rainy sky windy
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>	
03.06.2022	04.06.2022	231	159	35	16	BDL	Cloudy Sky / Lightbreeze
18.06.2022	19.06.2022	298	187	29	15	BDL	Cloudy Sky / Lightbreeze
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>	
04.06.2022	05.06.2022	148	72	20	12	BDL	Cloudy / Rainy sky windy
19.06.2022	20.06.2022	145	87	22	11	BDL	Cloudy / Rainy sky windy
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>	
03.06.2022	04.06.2022	145	82	30	12	BDL	Cloudy Sky / Lightbreeze
04.06.2022	05.06.2022	129	67	23	16	BDL	Cloudy Sky / Lightbreeze
10.06.2022	11.06.2022	139	70	29	17	BDL	Cloudy Sky / Moderatbreeze
11.06.2022	12.06.2022	115	69	30	13	BDL	Clear Sky / Windy
18.06.2022	19.06.2022	122	75	34	13	BDL	Clear Sky / Calm
19.06.2022	20.06.2022	134	81	26	14	BDL	Cloudy Sky / Lightbreeze
25.06.2022	26.06.2022	124	76	24	12	BDL	Clear Sky / Windy
26.06.2022	27.06.2022	110	65	26	13	BDL	Clear Sky / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepansu sanu

Reviewed &amp; Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



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

MINE WATER DISCHARGE:		MMOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.06.2022	7.92	32	36	BDL
25.06.2022	7.62	56	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP:		MMOW2		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.06.2022	7.5	48	44	BDL
25.06.2022	7.47	30	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED:		MMOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
11.06.2022	32	14.6	
25.06.2022	36	12.5	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FIELD MINE SHED:</b>		<b>MMON1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	09.06.2022	57.7	56.9
JUN'22	24.06.2022	57.9	56.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>KUCHNA COLONY:</b>		<b>MMON2</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	09.06.2022	47.5	46.2
JUN'22	24.06.2022	46.8	45.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE - 2022

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/JUN-22/51	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-1/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEW MAJRI UG TO OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
03.06.2022	04.06.2022	231	159	35	16	BDL	Cloudy Sky / Lightbreeze
18.06.2022	19.06.2022	298	187	29	15	BDL	Clear Sky / 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>	
03.06.2022	04.06.2022	340	212	49	19	10	Cloudy Sky / Lightbreeze
18.06.2022	19.06.2022	279	189	45	16	BDL	Clear Sky / 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>	
03.06.2022	04.06.2022	235	176	23	17	BDL	Cloudy Sky / Lightbreeze
18.06.2022	19.06.2022	265	154	27	14	BDL	Clear Sky / 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>	
04.06.2022	05.06.2022	129	64	34	13	BDL	Cloudy Sky / Lightbreeze
19.06.2022	20.06.2022	138	81	38	12	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

  
Analysed by

  
Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: 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
04.06.2022	7.43	40	28	BDL
18.06.2022	7.4	46	32	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
04.06.2022	7.25	44	44	BDL
18.06.2022	7.61	32	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>PIT OFFICE:</b>		<b>MMUN1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	09.06.2022	55.3	54.1
JUN'22	24.06.2022	58.3	57.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(MAJRI UG TO OC):</b>		<b>MMUN2</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	09.06.2022	46.3	45.6
JUN'22	24.06.2022	46.1	45.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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

# TELWASA OC

MAJRI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



JUNE - 2022

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/JUN-22/53	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	TELWASA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

TELWASA SECURITY OFFICE   MTOA1							
DATE(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>	
05.06.2022	06.06.2022	182	129	26	14	BDL	Cloudy sky / Lightbreeze
20.06.2022	21.06.2022	230	165	22	13	BDL	Clear sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE   MTOA2							
DATE(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>	
05.06.2022	06.06.2022	298	182	36	17	BDL	Cloudy sky / Lightbreeze
20.06.2022	21.06.2022	232	165	43	12	BDL	Clear sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

CHARGAON VILLAGE   MTOA3							
DATE(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>	
05.06.2022	06.06.2022	132	68	22	12	BDL	Cloudy sky / Lightbreeze
20.06.2022	21.06.2022	136	79	26	13	BDL	Clear sky / Windy
NAAQS, 2009		-	100	60	80	80	

EKTA NAGAR COLONY   MJOA3							
DATE(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>	
06.06.2022	07.06.2022	152	82	30	16	BDL	Cloudy sky / Lightbreeze
21.06.2022	22.06.2022	108	65	32	14	BDL	Clear sky / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- This Report cannot be reproduced in part or full without written permission of the management.
- This report refers to the values related to the items tested.



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

DETP DISCHARGE: MTOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
11.06.2022	56	16.9
19.06.2022	60	15.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS	<b>100</b>	<b>30</b>



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>NEAR PIT OFFICE:</b>		<b>MTON2</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	09.06.2022	48.9	47.5
JUN'22	24.06.2022	50.2	49.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

<b>EKTA NAGAR COLONY:</b>		<b>MTON3</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	09.06.2022	47.4	46.2
JUN'22	24.06.2022	45.1	44.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

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. 4634420034



**JUNE - 2022**

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/JUN-22/54	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	YEKONA I & II OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10.06.2022	11.06.2022	321	230	54	19	10	Cloudy Sky / Moderatebreeze
25.06.2022	26.06.2022	276	189	48	14	BDL	Clear Sky / Rainy Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	60	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>	
10.06.2022	11.06.2022	135	71	24	6	10	Cloudy Sky / Moderatebreeze
25.06.2022	26.06.2022	123	65	29	14	BDL	Clear Sky / Rainy Windy
NAAQS, 2009		-	100	60	80	80	

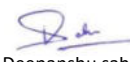
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10.06.2022	11.06.2022	112	64	20	14	BDL	Cloudy Sky / Moderatebreeze
25.06.2022	26.06.2022	126	70	22	14	BDL	Clear Sky / Rainy Windy
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>	
11.06.2022	12.06.2022	123	70	25	12	BDL	Cloudy Sky / Moderatebreeze
26.06.2022	27.06.2022	149	81	27	16	BDL	Clear Sky / Windy
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>	
11.06.2022	12.06.2022	108	60	28	14	BDL	Cloudy Sky / Moderatebreeze
26.06.2022	27.06.2022	143	74	30	12	BDL	Clear Sky / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu

Reviewed &amp; Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: YEKONA I OC : MYOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.06.2022	8	64	32	BDL
25.06.2022	7.81	36	52	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE: YEKONA II OC : MYOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.06.2022	7.73	36	40	BDL
25.06.2022	7.82	28	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP : MYOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.06.2022	7.43	52	28	BDL
25.06.2022	7.16	40	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: : MYOW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
11.06.2022	52	12.6
25.06.2022	30	13.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

PIT OFFICE		MYON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JUN'22	09.06.2022	55.2	54.5
JUN'22	24.06.2022	57.8	56.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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. 4634420034



JUNE 2022

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/JUN-22/1	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	ADASA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PROJECT MANAGER OFFICE   NAUA1							
DATE(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>	
13.06.2022	14.06.2022	309	181	54	26	14	Clear Sky / Lightbreeze
18.06.2022	19.06.2022	291	172	50	24	12	Rainy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE   NAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13.06.2022	14.06.2022	141	78	37	22	13	Clear Sky / Lightbreeze
18.06.2022	19.06.2022	130	73	32	19	12	Rainy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

COLONY WATER FILTER PLANT   NSNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	148	61	31	17	BDL	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	140	56	27	15	BDL	Rainy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

KOTODI VILLAGE   NSNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	141	52	30	14	BDL	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	135	46	25	12	BDL	Rainy Sky / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE: NAUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	13.06.2022	69.2	68.4
JUN'22	26.06.2022	69.4	69.7
<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	20
JUN'22	13.06.2022	56.2	55.5
JUN'22	26.06.2022	56.3	55.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

70

<b>COLONY (SAONER): NAUN3</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	13.06.2022	42.4	42.7
JUN'22	26.06.2022	42.4	41.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE 2022

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/JUN-22/2	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	BHANEGAON OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			


NEAR MANAGER OFFICE NBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	316	172	51	25	13	Cloudy / Calm
24.06.2022	25.06.2022	304	168	47	23	12	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

BINA SANGAM TEMPLE NBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	171	82	34	16	BDL	Cloudy / Calm
24.06.2022	25.06.2022	160	76	31	14	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

BINA VILLAGE NBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	129	71	29	15	BDL	Cloudy / Calm
24.06.2022	25.06.2022	117	67	26	13	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

DORLI VILLAGE NBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07.06.2022	08.06.2022	137	54	34	16	BDL	Cloudy / Calm
23.06.2022	24.06.2022	130	50	31	14	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

  
Analysed by

  
Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: NBOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.06.2022	8.26	14	44	BDL
24.06.2022	8.16	12	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CONTRACTOR CAMP</b>		<b>NBON1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>DETECTION LIMIT</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
JUN'22	13.06.2022	55.4	54.6
JUN'22	26.06.2022	57.3	56.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

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. 4634420034



JUNE 2022

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/JUN-22/3	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GONDEGAON OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

NEAR SUBSTATION NGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	312	161	52	22	12	Cloudy / Calm
25.06.2022	26.06.2022	306	152	48	20	11	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

GONDEGAON VILLAGE SCHOOL NGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	123	56	27	11	BDL	Cloudy / Calm
25.06.2022	26.06.2022	118	50	23	13	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

GUEST HOUSE/FILTER PLANT NGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	165	73	34	15	BDL	Cloudy / Calm
25.06.2022	26.06.2022	154	67	31	13	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

GHATROHNA VILLAGE NGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	128	65	30	14	BDL	Cloudy / Calm
25.06.2022	26.06.2022	119	61	26	12	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE NGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.06.2022	8.13	16	52	BDL
25.06.2022	7.97	14	56	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
09.06.2022	7.37	18	64	BDL
25.06.2022	7.54	20	60	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



**NOISE LEVEL MONITORING DATA**

<b>CHP</b>		<b>NGON1</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JUN'22	13.06.2022	66.3	65.6
JUN'22	26.06.2022	66.2	65.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>GONDEGAON VILAGE</b>		<b>NGON2</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JUN'22	13.06.2022	42.2	41.4
JUN'22	26.06.2022	42.3	41.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

<b>GHATROHNA VILLAGE:</b>		<b>NGON3</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JUN'22	13.06.2022	42.4	41.6
JUN'22	26.06.2022	42.2	41.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

<b>JUNI KAMPTEE VILLAGE:</b>		<b>NGON4</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JUN'22	13.06.2022	42.3	42.5
JUN'22	26.06.2022	42.4	42.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE 2022

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/JUN-22/4	DATE OF ISSUE	28.07.2022	
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR			
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)			
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47		
NAME OF PROJECT	INDER UG TO OC			
SAMPLE DESCRIPTION	Air sample			
SAMPLING METHOD : LSOP 4				

NEAR PIT NO.6 / MANAGER OFFICE NIOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	270	161	58	24	13	Cloudy sky/ Calm
26.06.2022	27.06.2022	264	153	54	22	12	Cloudy sky/ Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

CMPDI TEKADI STORE NIOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	267	165	53	23	12	Cloudy sky/ Calm
26.06.2022	27.06.2022	258	157	49	21	10	Cloudy sky/ Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13.06.2022	14.06.2022	151	70	34	18	BDL	Cloudy sky/ Calm
27.06.2022	28.06.2022	146	67	25	16	BDL	Cloudy sky/ Calm
NAAQS, 2009		-	100	60	80	80	

G.P. OFFICE KANDRI VILLAGE NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13.06.2022	14.06.2022	132	63	31	14	BDL	Cloudy sky/ Calm
27.06.2022	28.06.2022	124	57	27	17	BDL	Cloudy sky/ Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE DISCHARGE:		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
12.06.2022	8.18	28	92	BDL
26.06.2022	8.15	30	88	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10



Analysed by



 Deepanshu sahu  
 Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>PROJECT OFFICE:</b>		<b>NION1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>DETECTION LIMIT</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
JUN'22	13.06.2022	55.3	54.5
JUN'22	26.06.2022	55.2	54.4
<b>NOISE POLLUTION (REGULATION AND CONTROL)</b>		<b>75</b>	<b>70</b>

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. 4634420034



JUNE 2022

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/JUN-22/5	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	KAMPTEE DEEP OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SUBSTATION NKCA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13.06.2022	14.06.2022	329	178	56	26	13	Cloudy sky/Calm
27.06.2022	28.06.2022	307	169	52	24	12	Cloudy sky/Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

JUNI KAMPTEE VILLAGE NKCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13.06.2022	14.06.2022	136	58	30	20	BDL	Cloudy sky/Calm
27.06.2022	28.06.2022	125	54	28	18	BDL	Cloudy sky/Calm
NAAQS, 2009		-	100	60	80	80	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13.06.2022	14.06.2022	151	70	34	18	BDL	Cloudy sky/Calm
27.06.2022	28.06.2022	146	67	25	16	BDL	Cloudy sky/Calm
		-	100	60	80	80	

G.P. OFFICE KANDRI VILLAGE NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13.06.2022	14.06.2022	132	63	31	14	BDL	Cloudy sky/Calm
27.06.2022	28.06.2022	124	57	27	17	BDL	Cloudy sky/Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE DISCHARGE: NKCW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13.06.2022	8.13	32	108	BDL
27.06.2022	8	34	116	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



**NOISE LEVEL MONITORING DATA**

<b>CHP: NKC1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	13.06.2022	66.4	65.6
JUN'22	26.06.2022	66.3	65.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(KAMPTEE): NKC2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	13.06.2022	42.4	41.7
JUN'22	26.06.2022	42.4	42.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE 2022

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/JUN-22/6	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PATANSAONGI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

COLLIERY MANAGER OFFICE   NPTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.06.2022	03.06.2022	318	196	54	25	14	Cloudy Sky / Calm
16.06.2022	17.06.2022	305	184	51	23	12	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SADBHAVAN NAGAR (FILTER PLANT)   NPTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.06.2022	03.06.2022	169	71	41	22	BDL	Cloudy Sky / Calm
16.06.2022	17.06.2022	156	64	36	20	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

NEAR LCH QR.   NPTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.06.2022	03.06.2022	178	81	42	17	BDL	Cloudy Sky / Calm
16.06.2022	17.06.2022	167	76	34	15	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

SAVARMENDHA VILLAGE.   NPTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.06.2022	03.06.2022	149	66	34	16	BDL	Cloudy Sky / Calm
16.06.2022	17.06.2022	141	60	31	13	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE DISCHARGE: NPTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
02.06.2022	8.07	14	40	BDL
16.06.2022	7.95	12	48	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>



Analysed by


Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

CHP: NPTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JUN'22	13.06.2022	67.2	66.4
JUN'22	26.06.2022	66.4	60.2
<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
JUN'22	13.06.2022	42.5	41.6
JUN'22	26.06.2022	42.2	41.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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

# PIPLA UG

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



JUNE 2022

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/JUN-22/7	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PIPLA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

NEAR MAGZINE / MANAGER OFFICE		NPUA1					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>	
05.06.2022	06.06.2022	324	187	57	25	14	Cloudy sky / Calm
19.06.2022	20.06.2022	309	176	53	23	12	Cloudy sky / 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>	

IN ZONE- 4		NPUA2					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>	
05.06.2022	06.06.2022	289	178	52	24	12	Cloudy sky / Calm
19.06.2022	20.06.2022	276	165	49	22	11	Cloudy sky / 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>	

FILTER PLANT		NPUA3					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>	
05.06.2022	06.06.2022	148	64	34	16	BDL	Cloudy sky / Calm
19.06.2022	20.06.2022	137	58	28	14	BDL	Cloudy sky / Calm
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

SHIV MANDIR		NPUA4					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>	
05.06.2022	06.06.2022	125	65	32	15	BDL	Cloudy sky / Calm
19.06.2022	20.06.2022	118	60	26	13	BDL	Cloudy sky / Calm
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

FAN HOUSE: NPUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	13.06.2022	62.3	61.5
JUN'22	26.06.2022	61.2	60.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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. 4634420034



JUNE 2022

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/JUN-22/8	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SAONER UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

C.M OFFICE-SAONER-I UG NSNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	314	175	54	26	13	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	302	168	50	24	12	Rainy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

C.M OFFICE-SAONER-II UG NSNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	239	157	47	20	BDL	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	224	152	43	18	BDL	Rainy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	148	61	31	17	BDL	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	140	56	27	15	BDL	Rainy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	141	52	30	14	BDL	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	135	46	25	12	BDL	Rainy Sky / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE I UG: NSNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13.06.2022	8.11	16	52	BDL
17.06.2022	8.18	18	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE II UG: NSNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13.06.2022	8.34	18	40	BDL
17.06.2022	8.18	16	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE III UG: NSNUW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13.06.2022	8.03	14	44	BDL
17.06.2022	8.12	12	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE-I: NSNUN1</b>		<b>NOISE LEVEL IN dB(A)</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
		<b>DETECTION LIMIT</b>	20
JUN'22	13.06.2022	69.2	68.3
JUN'22	26.06.2022	69.3	68.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>FAN HOUSE-II: NSNUN2</b>		<b>NOISE LEVEL IN dB(A)</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
		<b>DETECTION LIMIT</b>	20
JUN'22	13.06.2022	69.3	68.5
JUN'22	26.06.2022	69.5	68.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>FAN HOUSE-III: NSNUN3</b>		<b>NOISE LEVEL IN dB(A)</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
		<b>DETECTION LIMIT</b>	20
JUN'22	13.06.2022	69.4	68.6
JUN'22	26.06.2022	69.4	68.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: NSNUN4</b>		<b>NOISE LEVEL IN dB(A)</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
		<b>DETECTION LIMIT</b>	20
JUN'22	13.06.2022	42.4	42.7
JUN'22	26.06.2022	42.4	41.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

STRICTLY RESTRICTED  
FOR COMPANY USE ONLY

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

## ENVIRONMENTAL MONITORING REPORT

# SILEWARA UG

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



JUNE 2022

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/JUN-22/9	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SILEWARA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

WATER FILTER FLANT NSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	296	194	55	26	13	Cloudy Sky / Calm
20.06.2022	21.06.2022	287	186	50	24	12	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

V.T.C. SILEWARA NSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	269	170	56	25	12	Cloudy Sky / Calm
20.06.2022	21.06.2022	256	161	51	23	11	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MANDIR NEAR KANHAN RIVER NSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	160	65	33	16	BDL	Cloudy Sky / Calm
20.06.2022	21.06.2022	151	58	27	13	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

CHANKAPUR PUMP HOUSE/ COLONY NSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	136	60	30	14	BDL	Cloudy Sky / Calm
20.06.2022	21.06.2022	128	54	25	12	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: NSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.06.2022	7.89	16	40	BDL
20.06.2022	7.79	14	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE: NSUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	13.06.2022	69.4	68.6
JUN'22	26.06.2022	69.2	68.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(SILEWARA): NSUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	13.06.2022	42.2	41.5
JUN'22	26.06.2022	42.3	41.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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. 4634420034



JUNE 2022

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/JUN-22/10	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SINGORI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

CONTRACTOR CAMP NSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07.06.2022	08.06.2022	316	168	52	23	13	Cloudy Sky / Calm
23.06.2022	24.06.2022	302	157	49	21	11	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SOHALI VILLAGE NSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07.06.2022	08.06.2022	151	62	34	14	BDL	Cloudy Sky / Calm
23.06.2022	24.06.2022	146	56	30	12	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

HINGNA VILLAGE NSOA3							
DATE(dd:mm:yy) OF SAMPLING		SPM					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07.06.2022	08.06.2022	140	71	32	15	BDL	Cloudy Sky / Calm
23.06.2022	24.06.2022	134	65	27	13	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

DORLI VILLAGE NBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07.06.2022	08.06.2022	137	54	34	16	BDL	Cloudy Sky / Calm
23.06.2022	24.06.2022	130	50	31	14	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- This Report cannot be reproduced in part or full without written permission of the management.
- This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: NSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
07.06.2022	8.10	22	56	BDL
23.06.2022	7.83	20	64	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>



Analysed by


Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CONTRACTOR CAMP: NSON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JUN'22	13.06.2022	57.2	56.4
JUN'22	26.06.2022	56.3	55.6
<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
JUN'22	13.06.2022	42.4	41.6
JUN'22	26.06.2022	42.5	41.7
<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
JUN'22	13.06.2022	67.3	66.7
JUN'22	26.06.2022	68.2	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
JUN'22	13.06.2022	66.2	65.4
JUN'22	26.06.2022	67.4	66.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

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. 4634420034




JUNE - 2022

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/JUN-22/11	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	DINESH OCP		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE   UM30A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <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>	
03.06.2022	04.06.2022	260	187	45	14	BDL	Sunny Sky / Lightbreeze
18.06.2022	19.06.2022	360	210	49	15	BDL	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

NEAR RLY. WEIGHT BRIDGE   UM30A2							
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>	
12.06.2022	13.06.2022	245	176	46	12	BDL	Cloudy Sky / Windy
27.06.2022	28.06.2022	290	189	33	15	BDL	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PIPARDOL VILLAGE   UM30A3							
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>	
09.06.2022	10.06.2022	123	65	21	12	BDL	Cloudy Sky / Windy
24.06.2022	25.06.2022	123	69	37	14	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	

WELSAKARA VILLAGE   UM30A4							
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>	
10.06.2022	11.06.2022	122	68	32	15	BDL	Cloudy Sky / Windy
25.06.2022	26.06.2022	146	76	29	12	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: UM3OW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12.06.2022	7.91	32	44	BDL
26.06.2022	7.77	36	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
12.06.2022	8.17	28	88	BDL
26.06.2022	7.58	36	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

PIT OFFICE		UGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JUN'22	11.06.2022	52.9	51.8
JUN'22	27.06.2022	51.9	50.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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. 4634420034




JUNE - 2022

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/JUN-22/12	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	UMRER	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	GOKUL OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.06.2022	03.06.2022	321	212	54	54	BDL	Sunny Sky / Lightbreeze
17.06.2022	18.06.2022	324	198	56	17	BDL	Rainy / Windy
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>	
02.06.2022	03.06.2022	114	65	18	12	BDL	Sunny Sky / Lightbreeze
03.06.2022	04.06.2022	122	69	24	12	BDL	Rainy / Windy
09.06.2022	10.06.2022	112	69	23	13	BDL	Sunny Sky / Lightbreeze
10.06.2022	11.06.2022	114	68	28	12	BDL	Rainy / Windy
17.06.2022	18.06.2022	105	70	21	12	BDL	Sunny Sky / Lightbreeze
18.06.2022	19.06.2022	132	75	29	13	BDL	Rainy / Windy
24.06.2022	25.06.2022	148	84	37	14	BDL	Sunny Sky / Lightbreeze
25.06.2022	26.06.2022	145	80	32	13	BDL	Rainy / Windy
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>	
02.06.2022	03.06.2022	132	78	29	12	BDL	Sunny Sky / Lightbreeze
03.06.2022	04.06.2022	145	82	28	13	BDL	Rainy / Windy
09.06.2022	10.06.2022	120	70	24	12	BDL	Sunny Sky / Lightbreeze
10.06.2022	11.06.2022	145	78	25	14	BDL	Rainy / Windy
17.06.2022	18.06.2022	98	64	20	13	BDL	Sunny Sky / Lightbreeze
18.06.2022	19.06.2022	129	60	25	15	BDL	Rainy / Windy
24.06.2022	25.06.2022	134	78	30	14	BDL	Sunny Sky / Lightbreeze
25.06.2022	26.06.2022	112	67	25	14	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	

POLGAON VILLAGE		UGOA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM 5	PM <sub>10</sub> 5	PM <sub>2.5</sub> 2	NO <sub>2</sub> 6	SO <sub>2</sub> 10	
02.06.2022	03.06.2022	123	70	22	13	BDL	Sunny Sky / Lightbreeze
03.06.2022	04.06.2022	120	78	21	12	BDL	Rainy / Windy
09.06.2022	10.06.2022	157	89	30	14	BDL	Sunny Sky / Lightbreeze
10.06.2022	11.06.2022	135	72	26	15	BDL	Rainy / Windy
17.06.2022	18.06.2022	112	72	24	13	BDL	Sunny Sky / Lightbreeze
18.06.2022	19.06.2022	135	82	34	16	BDL	Rainy / Windy
24.06.2022	25.06.2022	120	65	22	16	BDL	Sunny Sky / Lightbreeze
25.06.2022	26.06.2022	146	76	29	12	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80		



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: UGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.06.2022	8.12	44	44	BDL
26.06.2022	8.11	48	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): UGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.06.2022	7.76	44	44	BDL
26.06.2022	7.71	48	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	53.7	52.6
JUN'22	27.06.2022	52.3	51.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

CONTRACTOR CAMP: UGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	51.8	50.7
JUN'22	27.06.2022	52.4	51.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

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. 4634420034




JUNE - 2022

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/JUN-22/13	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MAKARDHOKRA-I OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD	LSOP 4		

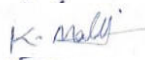
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11.06.2022	12.06.2022	278	198	27	15	BDL	Clear sky / Lightbreeze
26.06.2022	27.06.2022	267	187	43	18	BDL	Clear sky / Lightbreeze
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11.06.2022	12.06.2022	132	70	24	17	BDL	Cloudy sky / windy
26.06.2022	27.06.2022	145	72	36	16	BDL	Rainy / windy
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	127	68	28	14	BDL	Cloudy sky / windy
27.06.2022	28.06.2022	129	69	26	12	BDL	Rainy / windy
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	143	82	32	14	BDL	Cloudy sky / windy
27.06.2022	28.06.2022	154	70	33	15	BDL	Rainy / windy
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11.06.2022	12.06.2022	145	81	22	16	BDL	Cloudy sky / windy
26.06.2022	27.06.2022	132	70	31	12	BDL	Rainy / windy
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepansu sanu  
Reviewed & Authorised By

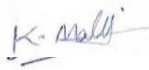
- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

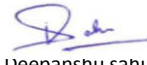
MINE WATER DISCHARGE: UM10W1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12.06.2022	7.77	36	48	BDL
26.06.2022	7.41	48	36	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

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
12.06.2022	8.03	36	40	BDL
26.06.2022	7.4	44	44	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



**NOISE LEVEL MONITORING DATA**

<b>PIT OFFICE: UM10N1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	11.06.2022	51.4	50.6
JUN'22	27.06.2022	52.3	51.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>SIRPUR VILLAGE: UM10N2</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	11.06.2022	41.8	40.3
JUN'22	27.06.2022	43.4	42.1
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

<b>HEOTI VILLAGE: UM10N3</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	11.06.2022	43.7	42.1
JUN'22	27.06.2022	42.3	41.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034




JUNE - 2022

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/JUN-22/14	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MAKARDHOKRA-II		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			


NEAR MANAGER OFFICE		UMOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11.06.2022	12.06.2022	345	233	53	17	BDL	Cloudy / Windy
26.06.2022	27.06.2022	369	210	59	16	BDL	Rainy / Windy
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 µg/m <sup>3</sup> )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	256	187	45	16	BDL	Cloudy / Windy
27.06.2022	28.06.2022	398	206	56	13	BDL	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

KANWA VILLAGE		UMOA3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14.06.2022	15.06.2022	156	87	35	15	BDL	Cloudy / Windy
28.06.2022	29.06.2022	154	82	30	16	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	

NEAR PUMP HOUSE COLONY		UMOA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14.06.2022	15.06.2022	162	86	37	17	BDL	Cloudy / Windy
28.06.2022	29.06.2022	157	87	36	13	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	

  
Analysed by

  
Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>NEAR PIT OFFICE: UMON1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A) DAY TIME</b>	<b>NOISE LEVEL IN dB(A) DAY TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	11.06.2022	53.7	52.1
JUN'22	27.06.2022	53.1	52.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

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. 4634420034




JUNE - 2022

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/JUN-22/15	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MORPAR UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	298	210	56	18	BDL	Cloudy sky / Windy
23.06.2022	24.06.2022	278	178	39	14	BDL	Rainy / Windy
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>	
08.06.2022	09.06.2022	248	167	32	14	BDL	Cloudy sky / Windy
23.06.2022	24.06.2022	237	156	36	12	BDL	Rainy / Windy
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>	
08.06.2022	09.06.2022	156	87	26	12	BDL	Cloudy sky / Windy
23.06.2022	24.06.2022	145	87	36	11	BDL	Rainy / Windy
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>	
08.06.2022	09.06.2022	132	74	25	13	BDL	Cloudy sky / Windy
23.06.2022	24.06.2022	104	56	18	12	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu

Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: UMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.06.2022	7.75	32	44	BDL
22.06.2022	7.88	36	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

FAN HOUSE:		UMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
			20
JUN'22	08.06.2022	72.3	71.8
JUN'22	23.06.2022	71.4	70.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	Night time
			20
JUN'22	08.06.2022	43.6	42.3
JUN'22	23.06.2022	42.9	41.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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. 4634420034




JUNE - 2022

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/JUN-22/16	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	UMRER OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

UMRER MANAGER OFFICE UUA01							
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>	
14.06.2022	15.06.2022	320	210	50	14	BDL	Cloudy Sky / Calm
28.06.2022	29.06.2022	396	214	54	15	BDL	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

NEAR WORKSHOP UUA02							
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>	
14.06.2022	15.06.2022	228	164	32	15	BDL	Cloudy Sky / Calm
28.06.2022	29.06.2022	278	176	43	14	BDL	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

KANWA VILLAGE UUA03							
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>	
14.06.2022	15.06.2022	156	87	35	15	BDL	Cloudy Sky / Calm
28.06.2022	29.06.2022	154	82	30	16	BDL	Cloudy sky / Calm
NAAQS, 2009		-	100	60	80	80	

NEAR PUMP HOUSE COLONY UUA04							
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>	
14.06.2022	15.06.2022	162	86	37	17	BDL	Cloudy Sky / Calm
28.06.2022	29.06.2022	157	87	36	13	BDL	Cloudy sky / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu

Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: UUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.06.2022	7.44	36	24	BDL
28.06.2022	7.65	44	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14.06.2022	7.17	40	80	BDL
28.06.2022	7.63	36	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: UUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
14.06.2022	48	10.5
28.06.2022	40	12.6
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

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
	JUN'22	11.06.2022	62.8
JUN'22	27.06.2022	61.7	60.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UUON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
	JUN'22	11.06.2022	44.1
JUN'22	27.06.2022	43.7	42.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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. 4634420034




JUNE - 2022

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-7182
---	--------------------	--

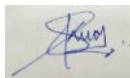
TEST REPORT NO.	RIN/TR/JUN-22/ 36	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS A64:J685182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GHUGUS OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

ACC PATCH NEAR ACC COLONY   WGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	240	138	60	18	14	Clear Sky / Lightbreeze
22.06.2022	23.06.2022	230	146	68	22	18	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE   WGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	230	140	64	44	14	Clear Sky / Lightbreeze
21.06.2022	22.06.2022	240	150	60	20	18	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

RAM NAGAR COLONY   WGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	116	60	46	16	12	Clear Sky / Lightbreeze
22.06.2022	23.06.2022	122	68	40	18	14	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

GHUGUS VILLAGE (GP OFFICE)   WGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	142	70	40	14	BDL	Clear Sky / Lightbreeze
21.06.2022	22.06.2022	116	60	36	12	10	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CHP: WGON1</b>			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	64.3	62.1
JUN'22	25.06.2022	68.4	66.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(GHUGUS): WGON2</b>			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	44.5	43.8
JUN'22	25.06.2022	45.7	44.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE - 2022

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/JUN-22/37	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	KOLGAON OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07.06.2022	08.06.2022	240	144	60	22	14	Clear Sky/ Lightbreeze
23.06.2022	24.06.2022	248	148	62	20	18	Cloudy Sky/ Lightbreeze
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>	
06.06.2022	07.06.2022	230	164	68	24	16	Clear Sky/ Lightbreeze
22.06.2022	23.06.2022	264	176	70	26	16	Cloudy Sky/ Lightbreeze
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>	
07.06.2022	08.06.2022	122	69	38	16	10	Clear Sky/ Lightbreeze
23.06.2022	24.06.2022	120	72	40	14	BDL	Cloudy Sky/ Lightbreeze
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07.06.2022	08.06.2022	118	68	36	17	10	Clear Sky/ Lightbreeze
23.06.2022	24.06.2022	120	70	34	14	BDL	Cloudy Sky/ Lightbreeze
NAAQS, 2009		-	100	60	80	80	



Analysed by



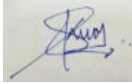
Deepanshu sahu

Reviewed &amp; Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: WKOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09.06.2022	7.98	48	72	BDL
23.06.2022	7.82	34	76	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>MANAGER OFFICE:</b>		<b>WKON1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>DETECTION LIMIT</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	JUN'22	10.06.2022	55.4
JUN'22	25.06.2022	58.5	56.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(MUNGOLI):</b>		<b>WKON2</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>DETECTION LIMIT</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	JUN'22	10.06.2022	43.4
JUN'22	25.06.2022	46.3	44.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034




JUNE - 2022

Environment Laboratory

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

**CMPDI**

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/JUN-22/38	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	MUGOLI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		SUBSTATION WMOA1 PARAMETERS (24 hourly values in µg/m <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>	
07.06.2022	08.06.2022	240	140	70	20	18	Clear Sky / Lightbreeze
23.06.2022	24.06.2022	286	156	68	24	18	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		SAM OFFICE WMOA2 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>	
06.06.2022	07.06.2022	230	164	68	24	16	Clear Sky / Lightbreeze
22.06.2022	23.06.2022	264	176	70	26	16	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		KAILSHNAGAR TOWNSHIP - FILTER PLANT WMOA3 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>	
07.06.2022	08.06.2022	118	68	36	17	10	Clear Sky / Lightbreeze
23.06.2022	24.06.2022	120	70	34	14	BDL	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		TUBEWELL NEAR SAKHARA VILLAGE WMOA4 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>	
07.06.2022	08.06.2022	120	62	40	16	12	Clear Sky / Lightbreeze
22.06.2022	23.06.2022	122	68	32	12	BDL	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: WMOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.06.2022	7.15	32	44	BDL
23.06.2022	6.86	30	52	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
07.06.2022	6.7	36	60	BDL
23.06.2022	7.23	34	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CHP: WMON1</b>			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	64.8	63.5
JUN'22	25.06.2022	67.6	65.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(MUNGOLI): WMON2</b>			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	43.4	42.1
JUN'22	25.06.2022	46.3	44.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE - 2022

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/JUN-22/39	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NAIGAON OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE   WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05.06.2022	06.06.2022	264	160	66	22	18	Clear Sky/Lightbreeze
20.06.2022	21.06.2022	276	144	72	26	16	Clear Sky/Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

WORKSHOP ETP NOCM   WNOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05.06.2022	06.06.2022	243	168	58	26	12	Clear Sky/Lightbreeze
20.06.2022	21.06.2022	248	172	60	28	14	Clear Sky/Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E),		600	300	60	120	120	

BELLORA REHABILITATION VILLAGE   WNGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	110	64	36	16	BDL	Clear Sky/Lightbreeze
21.06.2022	22.06.2022	112	62	30	10	BDL	Clear Sky/Lightbreeze
NAAQS, 2009		-	100	60	80	80	

FILTER PLANT NEAR VIP GUEST HOUSE   WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	120	70	40	14	12	Clear Sky/Lightbreeze
21.06.2022	22.06.2022	128	64	44	16	10	Clear Sky/Lightbreeze
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
06.06.2022	3.18	46	12	BDL
22.06.2022	3	58	28	BDL
<b>STANDARDS FOR COAL</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

		CHP: WNGON1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	63.2	61.9
JUN'22	25.06.2022	65.5	63.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

		COLONY(GHUGUS): WNGON1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	44.5	43.8
JUN'22	25.06.2022	45.7	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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. 4634420034




JUNE - 2022

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/JUN-22/40	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NILJAI DEEP OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

		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>		
05.06.2022	06.06.2022	226	160	54	20	14	Clear Sky / Lightbreeze	
20.06.2022	21.06.2022	240	158	58	22	16	Clear Sky / Lightbreeze	
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>		

		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>		
05.06.2022	06.06.2022	243	168	58	26	12	Clear Sky / Lightbreeze	
20.06.2022	21.06.2022	248	172	60	28	14	Clear Sky / Lightbreeze	
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>		

		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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
05.06.2022	06.06.2022	106	58	40	18	10	Clear Sky / Lightbreeze	
20.06.2022	21.06.2022	112	60	46	12	10	Clear Sky / Lightbreeze	
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)	
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>		
05.06.2022	06.06.2022	104	60	29	12	BDL	Clear Sky / Lightbreeze	
20.06.2022	21.06.2022	118	56	38	10	BDL	Clear Sky / Lightbreeze	
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>		



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: WNOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.06.2022	7.35	30	40	BDL
21.06.2022	7.48	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(NILJAI-S)TREATED WATER: WNOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.06.2022	7.4	26	64	BDL
21.06.2022	7.1	30	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)T.WATER: WNOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
06.06.2022	56	12
21.06.2022	60	14
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS	100	30



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>CHP-NILJAI: WNON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JUN'22	10.06.2022	64.7	63.2
JUN'22	25.06.2022	66.8	65.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>CHP-NILJAI(S): WNON2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JUN'22	10.06.2022	63.5	62.7
JUN'22	25.06.2022	67.4	65.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(NILJAI): WNON3</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
JUN'22	10.06.2022	43.9	42.6
JUN'22	25.06.2022	44.5	42.1
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE - 2022


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>	
---	--------------------	---

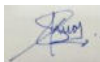
TEST REPORT NO.	RIN/TR/JUN-22/41	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)		
NAME OF AREA	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PENGANGA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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>	
08.06.2022	09.06.2022	226	152	64	24	16	Clear Sky/ Lightbreeze
24.06.2022	25.06.2022	242	160	60	28	16	Cloudy Sky/ Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 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>	
08.06.2022	09.06.2022	274	172	68	22	18	Clear Sky/ Lightbreeze
24.06.2022	25.06.2022	276	170	72	18	14	Cloudy Sky/ Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	110	58	36	14	12	Clear Sky/ Lightbreeze
24.06.2022	25.06.2022	120	70	34	18	10	Cloudy Sky/ Lightbreeze
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	116	64	32	12	10	Clear Sky/ Lightbreeze
24.06.2022	25.06.2022	118	66	30	12	10	Cloudy Sky/ Lightbreeze
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: WPOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.06.2022	7.91	28	40	BDL
24.06.2022	7.58	26	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>NEAR WORKSHOP: WPON1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	20	20
JUN'22	10.06.2022	56.9	55.2
JUN'22	25.06.2022	62.3	60.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

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. 4634420034




JUNE - 2022

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/JUN-22/43	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GHONSA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PROJECT MANAGER OFFICE   WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <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>	
08.06.2022	09.06.2022	256	166	68	24	20	Clear Sky / Windy
23.06.2022	24.06.2022	256	150	64	26	22	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE/ CANTEEN   WNKUA2							
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>	
08.06.2022	09.06.2022	230	142	56	22	16	Clear Sky / Windy
23.06.2022	24.06.2022	250	140	60	20	14	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

GHONSA VILLAGE   WNGOA3							
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>	
08.06.2022	09.06.2022	116	60	34	14	12	Clear Sky / Windy
23.06.2022	24.06.2022	118	62	30	16	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

GUEST HOUSE/ COLONY   WNKUA3							
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>	
08.06.2022	09.06.2022	120	60	34	14	12	Clear Sky / Windy
23.06.2022	24.06.2022	124	62	32	12	10	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.06.2022	7.6	36	56	BDL
22.06.2022	7.54	40	76	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>MANAGER OFFICE:</b>		<b>WNGON1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>DETECTION LIMIT</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
JUN'22	10.06.2022	57.4	56.2
JUN'22	25.06.2022	56.7	55.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

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. 4634420034



JUNE - 2022


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>	
---	--------------------	---

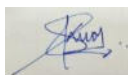
TEST REPORT NO.	RIN/TR/JUN-22/42	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	JUNAD OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE   WNJOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	260	162	60	24	16	Clear Sky / Lightbreeze
24.06.2022	25.06.2022	252	160	62	24	18	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

BORGAON VILLAGE   WNJOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	110	56	40	14	BDL	Clear Sky / Lightbreeze
24.06.2022	25.06.2022	114	68	42	10	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

BHALAR TOWNSHIP   WNUOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	120	58	30	12	10	Clear Sky / Lightbreeze
19.06.2022	20.06.2022	128	70	40	10	10	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

UKNI VILLAGE   WNUOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	110	56	30	10	BDL	Clear Sky / Lightbreeze
19.06.2022	20.06.2022	120	62	34	12	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



Analysed by

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



Deepanshu sahu

Reviewed &amp; Authorised By

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

MINE WATER DISCHARGE: 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
09.06.2022	7.82	28	40	BDL
23.06.2022	7.77	26	48	BDL
STANDARDS FOR COAL MINE, GSR	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
05.06.2022	7.76	22	32	BDL
23.06.2022	7.73	32	44	BDL
STANDARDS FOR COAL MINE, GSR	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>MANAGER OFFICE: WNJON1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
		<b>DETECTION LIMIT</b>	<b>20</b>
JUN'22	10.06.2022	56.4	54.1
JUN'22	25.06.2022	56.4	54.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>BHALAR COLONY: WNJON2</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
		<b>DETECTION LIMIT</b>	<b>20</b>
JUN'22	10.06.2022	45.5	43.9
JUN'22	25.06.2022	45.9	43.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034




JUNE - 2022

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/JUN-22/44	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	KOLARPIMPRI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03.06.2022	04.06.2022	242	148	64	20	16	Clear Sky /Calm
19.06.2022	20.06.2022	238	150	62	22	18	Clear Sky /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>	
03.06.2022	04.06.2022	218	130	50	20	14	Clear Sky /Calm
18.06.2022	19.06.2022	208	140	56	18	12	Clear Sky /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>	
04.06.2022	05.06.2022	114	70	38	16	BDL	Clear Sky /Lightbreeze
18.06.2022	19.06.2022	112	60	36	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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	118	62	30	12	10	Clear Sky /Lightbreeze
24.06.2022	25.06.2022	120	74	34	10	BDL	Clear Sky /Lightbreeze
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: 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
03.06.2022	7.86	40	72	BDL
18.06.2022	8.06	36	60	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

CHP: WNKON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	67.5	65.6
JUN'22	25.06.2022	67.6	65.5
NOISE POLLUTION (REGULATION AND		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	46.3	44.2
JUN'22	25.06.2022	45.7	43.5
NOISE POLLUTION (REGULATION AND		55	45

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

# KUMBARKHANI UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



JUNE - 2022


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/JUN-22/45	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	KUMBARKHANI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PROJECT MANAGER OFFICE   WNKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	258	162	62	20	14	Cloudy Sky / Windy
23.06.2022	24.06.2022	256	168	64	24	18	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE/ CANTEEN   WNKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	230	142	56	22	16	Cloudy Sky / Windy
23.06.2022	24.06.2022	250	140	60	20	14	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

GUEST HOUSE/ COLONY   WNKUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	120	60	34	14	12	Cloudy Sky / Windy
23.06.2022	24.06.2022	124	62	32	12	10	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

GHONSA VILLAGE   WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	116	60	34	14	12	Cloudy Sky / Windy
23.06.2022	24.06.2022	118	62	30	16	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE: WNKUN1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	10.06.2022	58.1	57.4
JUN'22	25.06.2022	59.8	58.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: WNKUN2</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	10.06.2022	46.9	45.3
JUN'22	25.06.2022	46.7	45.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034




JUNE - 2022

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/JUN-22/46	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PIMPALGAON OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE   WNPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	260	170	58	22	14	Clear Sky/ Lightbreeze
24.06.2022	25.06.2022	270	182	73	20	16	Clear Sky/ Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

WORKSHOP   WNPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	250	150	54	24	16	Clear Sky/ Lightbreeze
24.06.2022	25.06.2022	265	160	60	26	18	Clear Sky/ Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

WATER FILTER PLANT PRAGATI NAGAR   WNPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	118	62	30	12	10	Clear Sky/ Lightbreeze
24.06.2022	25.06.2022	120	74	34	10	BDL	Clear Sky/ Lightbreeze
NAAQS, 2009		-	100	60	80	80	

BORGAON VILLAGE   WNJOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	110	56	40	14	BDL	Clear Sky/ Lightbreeze
24.06.2022	25.06.2022	114	68	42	10	BDL	Clear Sky/ Lightbreeze
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu

Reviewed &amp; Authorised By

- This Report cannot be reproduced in part or full without written permission of the management.
- This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

CHP: WNPON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	66.4	64.5
JUN'22	25.06.2022	68.4	66.3
NOISE POLLUTION (REGULATION AND		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	46.3	44.2
JUN'22	25.06.2022	45.7	43.5
NOISE POLLUTION (REGULATION AND		55	45

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. 4634420034



JUNE - 2022

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/JUN-22/47	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	RAJUR UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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>	
07.06.2022	08.06.2022	300	198	70	20	16	Cloudy Sky / Moderatebreeze
22.06.2022	23.06.2022	326	210	78	24	18	Cloudy Sky / Lightbreeze
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07.06.2022	08.06.2022	242	150	54	22	14	Cloudy Sky / Moderatebreeze
22.06.2022	23.06.2022	260	166	70	26	16	Cloudy Sky / Lightbreeze
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07.06.2022	08.06.2022	250	158	58	26	20	Cloudy Sky / Moderatebreeze
22.06.2022	23.06.2022	264	168	72	24	18	Cloudy Sky / Lightbreeze
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07.06.2022	08.06.2022	110	62	32	14	10	Cloudy Sky / Moderatebreeze
22.06.2022	23.06.2022	112	64	38	10	BDL	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



Analysed by



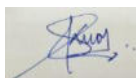
Deepanshu sahu

Reviewed & Authorised Signatory

- This Report cannot be reproduced in part or full without written permission of the management.
- This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: 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
07.06.2022	8.13	28	52	BDL
21.06.2022	7.97	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



**NOISE LEVEL MONITORING DATA**

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	57.8	56.5
JUN'22	25.06.2022	54.8	53.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	47.7	46.4
JUN'22	25.06.2022	46.2	45.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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. 4634420034




JUNE - 2022

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/JUN-22/48	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	UKNI DEEP		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	228	142	56	18	14	Clear Sky / Lightbreeze
19.06.2022	20.06.2022	242	158	50	24	18	Clear Sky / Lightbreeze
<b>STANDARDS FOR COAL MINE, GSR 742(E), dt. 25<sup>TH</sup> September 2000</b>		<b>600</b>	<b>300</b>	<b>-</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>	
04.06.2022	05.06.2022	120	58	30	12	10	Clear Sky / Lightbreeze
19.06.2022	20.06.2022	128	70	40	10	10	Clear Sky / Lightbreeze
<b>NAAQS, 2009</b>		<b>-</b>	<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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	110	56	30	10	BDL	Clear Sky / Lightbreeze
19.06.2022	20.06.2022	120	62	34	12	BDL	Clear Sky / Lightbreeze
<b>NAAQS, 2009</b>		<b>-</b>	<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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	114	70	38	16	BDL	Clear Sky / Lightbreeze
18.06.2022	19.06.2022	112	60	36	10	BDL	Clear Sky / Lightbreeze
<b>NAAQS, 2009</b>		<b>-</b>	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



Analysed by



Deepanshu sahu

Reviewed &amp; Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: 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
09.06.2022	7.73	34	52	BDL
20.06.2022	7.43	36	64	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.06.2022	7.77	42	60	BDL
20.06.2022	7.43	46	72	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

STP DISCHARGE: WNUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
05.06.2022	62	16
20.06.2022	50	17
GENERAL STANDARDS FOR DISCHARGE OF	100	30



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

CHP: WNUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	68.4	66.5
JUN'22	25.06.2022	66.7	64.4
NOISE POLLUTION (REGULATION AND		75	70

BHALAR COLONY: WNUON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	10.06.2022	45.5	43.9
JUN'22	25.06.2022	45.9	43.4
NOISE POLLUTION (REGULATION AND		55	45

STRICTLY RESTRICTED  
FOR COMPANY USE ONLY

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

## ENVIRONMENTAL MONITORING REPORT

# WANI RAILWAY SIDING

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




JUNE - 2022

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/JUN-22/49	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	WANI RAILWAY SIDING		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

NEAR RAILWAY SIDING   WNRS1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <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>	
		5	5	2	6	10	
02.06.2022	03.06.2022	236	140	60	18	14	Clear Sky / Lightbreeze
03.06.2022	04.06.2022	260	150	60	18	16	Clear Sky / Lightbreeze
10.06.2022	11.06.2022	226	146	54	16	14	Clear Sky / Lightbreeze
11.06.2022	12.06.2022	258	164	58	20	16	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	250	168	62	24	18	Clear Sky / Calm
18.06.2022	19.06.2022	234	142	54	20	16	Clear Sky / Calm
25.06.2022	26.06.2022	268	178	64	22	14	Clear Sky / Calm
26.06.2022	27.06.2022	240	160	60	14	12	Clear Sky / Calm
TLV		600	300	-	120	120	

VITTALWADI   WNRS3							
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>	
		5	5	2	6	10	
02.06.2022	03.06.2022	112	58	38	16	10	Clear Sky / Lightbreeze
03.06.2022	04.06.2022	120	60	42	18	BDL	Clear Sky / Lightbreeze
10.06.2022	11.06.2022	118	62	36	14	12	Clear Sky / Lightbreeze
11.06.2022	12.06.2022	106	54	32	14	10	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	114	64	36	12	10	Clear Sky / Calm
18.06.2022	19.06.2022	126	56	40	14	12	Clear Sky / Calm
25.06.2022	26.06.2022	118	58	30	16	10	Clear Sky / Calm
26.06.2022	27.06.2022	114	68	30	18	12	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

PRAGATI NAGAR   WNRS4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <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>	
		5	5	2	6	10	
02.06.2022	03.06.2022	116	60	36	16	14	Clear Sky / Lightbreeze
03.06.2022	04.06.2022	124	64	40	16	12	Clear Sky / Lightbreeze
10.06.2022	11.06.2022	110	56	20	10	BDL	Clear Sky / Lightbreeze
11.06.2022	12.06.2022	112	60	34	16	12	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	124	62	35	18	12	Clear Sky / Calm
18.06.2022	19.06.2022	118	62	34	10	BDL	Clear Sky / Calm
25.06.2022	26.06.2022	130	64	38	12	10	Clear Sky / Calm
26.06.2022	27.06.2022	124	58	36	14	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



DEEPANSHU SAHU  
AUTHORIZED SIGNATORY

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>MASJID NEAR FARM HOUSE</b>		<b>WNRSN1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	10.06.2022	47.4	45.1
JUN'22	25.06.2022	49.4	47.5
<b>NOISE POLLUTION (REGULATION AND CONTROL)</b>		<b>75</b>	<b>70</b>

<b>NEAR INCHARGE OFFICE:</b>		<b>WNRSN2</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	10.06.2022	65.3	63.4
JUN'22	25.06.2022	65.6	63.5
<b>NOISE POLLUTION (REGULATION AND CONTROL)</b>		<b>75</b>	<b>70</b>



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. 4634420035




JUNE 2022

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>	
---	--------------------	---

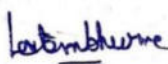
TEST REPORT NO.	RIN/TR/JUN-22/68	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	AMBARA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE KAOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10.06.2022	11.06.2022	260	166	38	16	11	Clear Sky / Lightbreeze
28.06.2022	29.06.2022	272	179	40	14	BDL	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PIT OFFICE- MOHAN KAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10.06.2022	11.06.2022	254	165	36	14	10	Clear Sky / Lightbreeze
28.06.2022	29.06.2022	281	171	46	15	BDL	Cloudy Sky / Windy
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11.06.2022	12.06.2022	149	90	32	10	BDL	Clear Sky / Lightbreeze
27.06.2022	28.06.2022	129	77	40	8	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11.06.2022	12.06.2022	137	82	30	9	BDL	Clear Sky / Lightbreeze
27.06.2022	28.06.2022	144	92	36	10	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by



Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: KAOW				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.06.2022	7.75	36	44	BDL
28.06.2022	4.60	32	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



 Deepanshu sahu  
 Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>MANAGER OFFICE: KAON1</b>			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	50.2	49.1
JUN'22	28.06.2022	49.7	47.6
<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
JUN'22	11.06.2022	44.6	43.9
JUN'22	28.06.2022	45.4	43.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

STRICTLY RESTRICTED  
FOR COMPANY USE ONLY

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

## ENVIRONMENTAL MONITORING REPORT

# AREA WORKSHOP

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




JUNE 2022

Environment Laboratory

**CMPDI**

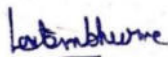
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/JUN-22/70	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	AREA WORKSHOP		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

AREA WORKSHOP   KAWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11.06.2022	12.06.2022	290	182	42	13	10	Clear / Lightbreeze
29.06.2022	30.06.2022	262	170	41	15	10	Cloudy Sky / Windy
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


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>W/S PREMISES:</b>		<b>KAWN1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>DETECTION LIMIT</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
JUN'22	11.06.2022	48.9	47.7
JUN'22	28.06.2022	47.7	45.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

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. 4634420035



JUNE 2022


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>	
---	--------------------	---

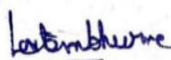
TEST REPORT NO.	RIN/TR/JUN-22/73	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GHORAWARI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE-OC   KGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11.06.2022	12.06.2022	253	155	42	13	10	Cloudy / Calm
27.06.2022	28.06.2022	271	168	37	14	BDL	Cloudy Sky / Calm
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>	
11.06.2022	12.06.2022	250	142	30	12	BDL	Cloudy / Calm
27.06.2022	28.06.2022	270	161	45	13	BDL	Cloudy Sky / Calm
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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11.06.2022	12.06.2022	138	92	23	9	BDL	Cloudy / Calm
27.06.2022	28.06.2022	127	80	30	10	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

PANARA VILLAGE   KJUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11.06.2022	12.06.2022	128	91	28	8	BDL	Cloudy / Calm
27.06.2022	28.06.2022	136	81	28	9	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by

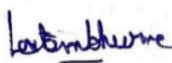


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: 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
14.06.2022	8.01	24	36	BDL
27.06.2022	7.49	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

MANAGER OFFICE:		KGON1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	43.7	42.9
JUN'22	28.06.2022	43.7	42.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(JHARNA):		KGON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	44.6	43.4
JUN'22	28.06.2022	43.9	42.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420035




JUNE 2022

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/JUN-22/74	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	JHARNA/GHORAWARI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE- JHARNA UG KJUA1							
DATE(dd:mm:yy) ) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <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>	
11.06.2022	12.06.2022	254	155	33	14	BDL	Clear / Lightbreeze
29.06.2022	30.06.2022	276	168	44	15	BDL	Cloudy Sky / Windy
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>	

SAM-OFFICE GHORAWARI KJUA2							
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>	
11.06.2022	12.06.2022	250	142	30	12	BDL	Clear / Lightbreeze
29.06.2022	30.06.2022	270	161	45	13	BDL	Cloudy Sky / Windy
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 HEALTH CENTER JHARNA KJUA3							
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>	
11.06.2022	12.06.2022	138	92	23	9	BDL	Clear / Lightbreeze
29.06.2022	30.06.2022	127	80	30	10	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

PANARA VILLAGE KJUA4							
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>	
11.06.2022	12.06.2022	128	91	28	8	BDL	Clear / Lightbreeze
29.06.2022	30.06.2022	136	81	28	9	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

*Latimburme*

Analysed by

*Deepanshu sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE: KJUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	47.8	46.4
JUN'22	28.06.2022	46.6	45.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: KJUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	44.6	43.4
JUN'22	28.06.2022	43.9	42.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420035




JUNE 2022

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>	
---	--------------------	---

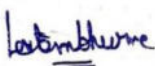
TEST REPORT NO.		RIN/TR/JUN-22/75	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.		WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)			
NAME OF AREA		KANHAN	SAMPLING PLAN : LQR 47	
NAME OF PROJECT		MOHAN/MAORI UG		
SAMPLE DESCRIPTION	Air sample			
SAMPLING METHOD : LSOP 4				

SAM OFFICE KAUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					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	
10.06.2022	11.06.2022	232	144	31	13	BDL	Clear /Lightbreeze
28.06.2022	29.06.2022	260	165	39	14	BDL	Cloudy / Windy
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-MOHAN KAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					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	
10.06.2022	11.06.2022	254	165	36	14	10	Clear /Lightbreeze
28.06.2022	29.06.2022	281	171	46	15	BDL	Cloudy / Windy
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 HEALTH CENTER KMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					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	
11.06.2022	12.06.2022	149	90	32	10	BDL	Cloudy Sky / Calm
27.06.2022	28.06.2022	129	77	40	8	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					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	
11.06.2022	12.06.2022	137	82	30	9	BDL	Cloudy Sky / Calm
27.06.2022	28.06.2022	144	92	36	10	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



**NOISE LEVEL MONITORING DATA**

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	69.8	68.4
JUN'22	28.06.2022	69.8	69.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(MOHAN MAORI):		KMUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	44.6	43.9
JUN'22	28.06.2022	43.9	43.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420035




JUNE 2022

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>	
---	--------------------	---

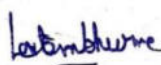
TEST REPORT NO.	RIN/TR/JUN-22/76	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NANDAN UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE- NANDAN I UG   KNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <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>	
12.06.2022	13.06.2022	240	142	36	14	11	Clear / Calm
26.06.2022	27.06.2022	271	169	44	13	BDL	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

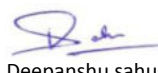
PIT OFFICE NANADAN II UG   KNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	263	174	41	15	11	Clear / Calm
26.06.2022	27.06.2022	250	158	36	14	BDL	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

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	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12.06.2022	13.06.2022	120	77	29	8	BDL	Clear / Calm
26.06.2022	27.06.2022	141	89	25	10	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

NANDAN WATER FILTER PLANT   KNWA4							
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>	
12.06.2022	13.06.2022	135	89	26	8	BDL	Clear / Calm
26.06.2022	27.06.2022	144	93	30	9	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



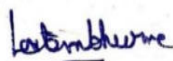
Deepanshu sahu

Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: KNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12.06.2022	7.6	24	32	BDL
26.06.2022	7.24	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



 Deepanshu sahu  
 Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE UG II: KNUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	70.3	69.4
JUN'22	28.06.2022	71.9	71.4
<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)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	11.06.2022	42.8	42.1
JUN'22	28.06.2022	43.6	43.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420035



JUNE 2022

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/JUN-22/78	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	KANHAN	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	TANDSI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

WORKSHOP  KTUA1							
DATE(dd:mm:yy) ) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					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	
07.06.2022	08.06.2022	230	137	40	14	11	Clear / Calm
25.06.2022	26.06.2022	250	156	45	15	BDL	Cloudy Sky / 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>	

LAMP ROOM  KTUA2							
DATE(dd:mm:yy) ) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					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	
07.06.2022	08.06.2022	260	164	39	13	BDL	Clear / Calm
25.06.2022	26.06.2022	281	171	42	12	BDL	Cloudy Sky / 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>	

COLONY NEAR HEALTH CENTER  KTUA3							
DATE(dd:mm:yy) ) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					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	
07.06.2022	08.06.2022	129	88	27	10	BDL	Clear / Calm
25.06.2022	26.06.2022	138	72	24	8	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

JET HOSTEL  KTUA4							
DATE(dd:mm:yy) ) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					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	
07.06.2022	08.06.2022	121	78	30	8	BDL	Clear / Calm
25.06.2022	26.06.2022	138	88	37	9	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

*Labimberme*

Analysed by

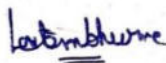
*Deepanshu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: KTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.06.2022	7.32	26	32	BDL
25.06.2022	7.4	30	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



 Deepanshu sahu  
 Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



**NOISE LEVEL MONITORING DATA**

FAN HOUSE:		KTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
			20
JUN'22	11.06.2022	72.7	72.3
JUN'22	28.06.2022	72.9	72.4
<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
JUN'22	11.06.2022	42.9	42.1
JUN'22	28.06.2022	43.4	43.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420035




JUNE 2022

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>	
---	--------------------	---

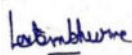
TEST REPORT NO.	RIN/TR/JUN-22/79	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)		
NAME OF AREA	PATHARKHERA	SAMPLING PLAN :	LQR 47
NAME OF PROJECT	CHATTARPUR I & II UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD :	LSOP 4		

SUBSTATION- CHATTARPUR I UG   PKCUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	290	192	39	15	BDL	Clear / Calm
24.06.2022	25.06.2022	272	179	34	13	BDL	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE   PKCUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	261	162	35	13	BDL	Clear / Calm
24.06.2022	25.06.2022	280	183	42	15	BDL	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SUBSTATION-CHATTARPUR II UG   PKCUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	288	186	31	16	BDL	Clear / Calm
24.06.2022	25.06.2022	261	170	36	14	BDL	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

CHATTARPUR VILLAGE   PKCUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	140	83	25	9	BDL	Clear / Calm
24.06.2022	25.06.2022	133	95	29	8	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by




Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE-I UG: PKCUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.06.2022	8.27	36	48	BDL
24.06.2022	8.22	40	44	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE II UG: PKCUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.06.2022	8.18	34	44	BDL
24.06.2022	8.15	38	44	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10

  
Analysed by



Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	72.5	71.4
JUN'22	24.06.2022	72.7	72.5
<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)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	71.3	70.9
JUN'22	24.06.2022	71.8	71.2
<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)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	42.9	42.1
JUN'22	24.06.2022	43.7	43.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420035



JUNE 2022

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

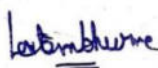
TEST REPORT NO.	RIN/TR/JUN-22/80	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance		
NAME OF AREA	PATHARKHERA	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SARNI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	284	182	37	15	BDL	Clear / Calm
23.06.2022	24.06.2022	266	173	34	13	BDL	Cloudy Sky / 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>	
04.06.2022	05.06.2022	261	166	36	14	BDL	Clear / Calm
23.06.2022	24.06.2022	280	176	30	15	10	Cloudy Sky / 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>	
04.06.2022	05.06.2022	142	83	28	10	BDL	Clear / Calm
23.06.2022	24.06.2022	132	93	25	8	BDL	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		-	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>	
04.06.2022	05.06.2022	130	96	24	9	BDL	Clear / Calm
23.06.2022	24.06.2022	119	88	28	10	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: PKSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.06.2022	7.66	30	36	BDL
23.06.2022	7.8	32	40	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



**NOISE LEVEL MONITORING DATA**

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	72.8	72.4
JUN'22	24.06.2022	72.6	72.4
<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)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	43.6	42.9
JUN'22	24.06.2022	43.7	43.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420035




JUNE 2022

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>	
---	--------------------	---

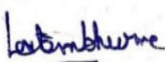
TEST REPORT NO.	RIN/TR/JUN-22/81	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance 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)		
NAME OF AREA	PATHARKHERA	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SHOBHAPUR UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE   PKSHUA1							
DATE(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>	
05.06.2022	06.06.2022	240	147	41	15	BDL	Clear / Calm
22.06.2022	23.06.2022	270	161	44	14	BDL	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SUBSTATION   PKSHUA2							
DATE(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>	
05.06.2022	06.06.2022	280	183	38	14	BDL	Clear / Calm
22.06.2022	23.06.2022	261	157	43	13	BDL	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SHOBHAPUR VILLAGE   PKSHUA3							
DATE(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>	
05.06.2022	06.06.2022	137	84	26	8	BDL	Clear / Calm
22.06.2022	23.06.2022	120	93	30	9	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

SHOBHAPUR COLONY   PKSHUA4							
DATE(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>	
05.06.2022	06.06.2022	145	96	22	9	BDL	Clear / Calm
22.06.2022	23.06.2022	131	81	29	10	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	JUN'22	07.06.2022	65.6
JUN'22	24.06.2022	71.7	71.4
<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	NIHT TIME
	JUN'22	07.06.2022	43.4
JUN'22	24.06.2022	48.5	48.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420035




JUNE 2022

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>	
---	--------------------	---

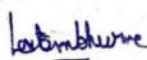
TEST REPORT NO.	RIN/TR/JUN-22/82	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-1.2:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	PATHARKHERA	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	TAWA-II UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

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>	
08.06.2022	09.06.2022	261	163	39	14	BDL	Clear / Calm
19.06.2022	20.06.2022	283	188	44	13	BDL	Cloudy Sky / 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>	

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>	
08.06.2022	09.06.2022	266	169	40	13	BDL	Clear / Calm
19.06.2022	20.06.2022	280	182	45	12	BDL	Cloudy Sky / 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>	

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>	
08.06.2022	09.06.2022	121	80	30	9	BDL	Clear / Calm
19.06.2022	20.06.2022	134	96	27	8	BDL	Cloudy Sky / Calm
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 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>	
08.06.2022	09.06.2022	132	74	27	10	BDL	Clear / Calm
19.06.2022	20.06.2022	141	89	30	8	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



Analysed by

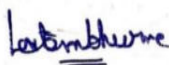


Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: PKTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.06.2022	7.91	28	32	BDL
19.06.2022	7.71	24	36	BDL
STANDARDS FOR COAL	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

FAN HOUSE:		PKTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JUN'22	07.06.2022	72.8	72.3
JUN'22	24.06.2022	72.6	72.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



STRICTLY RESTRICTED  
FOR COMPANY USE ONLY

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

## ENVIRONMENTAL MONITORING REPORT

### TAWA UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



JUNE 2022

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/JUN-22/83	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PATHERKHERA	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	TAWA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE   PKTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	266	169	40	13	BDL	Clear / Calm
19.06.2022	20.06.2022	280	182	45	12	BDL	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MANAGER OFFICE- TAWA II   PKT2UA2							
DATE(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>	
08.06.2022	09.06.2022	261	163	39	14	BDL	Clear / Calm
19.06.2022	20.06.2022	283	188	44	13	BDL	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MPEB COLONY   PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	121	80	30	9	BDL	Clear / Calm
19.06.2022	20.06.2022	134	96	27	8	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

HIRA PALLA/BHAGAIKHAPA VILLAGE   PKT2UA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	132	74	27	10	BDL	Clear / Calm
19.06.2022	20.06.2022	141	89	30	8	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

*Latimkume*

Analysed by

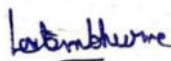
*Deepanshu*

Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: PKTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.06.2022	7.92	26	32	BDL
19.06.2022	7.91	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


Deepanshu sahu  
Authorised Signatory

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE: PKTUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	07.06.2022	72.7	72.3
JUN'22	24.06.2022	69.8	69.7
<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	20
JUN'22	07.06.2022	42.5	42.1
JUN'22	24.06.2022	43.5	43.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420035




JUNE 2022

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/JUN-22/55	DATE OF ISSUE	28.07.2022	
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR			
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022			
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)			
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47		
NAME OF PROJECT	BARKUHI OC			
SAMPLE DESCRIPTION	Air sample			
SAMPLING METHOD : LSOP 4				

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>	
09.06.2022	10.06.2022	289	169	57	22	< 10	Clear / Lightbreeze
27.06.2022	28.06.2022	266	152	52	21	< 10	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE   PBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	293	189	62	23	12	Clear / Lightbreeze
27.06.2022	28.06.2022	272	177	56	22	11	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

CHANDAMETA WORKSHOP   PCWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	286	185	61	22	11	Clear / Lightbreeze
27.06.2022	28.06.2022	268	169	52	21	< 10	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

CENTRAL SCHOOL   PBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	139	88	40	14	< 10	Clear / Lightbreeze
27.06.2022	28.06.2022	122	77	36	13	< 10	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by

- This Report cannot be reproduced in part or full without written permission of the management.
- This report refers to the values related to the items tested.



Deepanshu sahu

Reviewed &amp; Authorised By

**NOISE LEVEL MONITORING DATA**

NEAR BARKUI HOSPITAL: PBON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	06.06.2022	45.7	43.9
JUN'22	25.06.2022	45.7	43.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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. 4634420035



JUNE 2022


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/JUN-22/56	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	CHANDAMETA WORKSHOP		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09.06.2022	10.06.2022	286	185	61	22	11	CLEAR / LIGHTBREEZE
27.06.2022	28.06.2022	268	169	52	21	< 10	RAINY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>NEAR CHANDAMETA WORKSHOP: PCWN1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	47.6	45.4
JUN'22	25.06.2022	47.9	45.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

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. 4634420035




JUNE 2022

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/JUN-22/57	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	CHINDA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	297	179	59	23	12	CLEAR/ LIGHTBREEZE
26.06.2022	27.06.2022	261	161	51	20	11	RAINY / WINDY
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>	
08.06.2022	09.06.2022	283	177	56	22	11	CLEAR/ LIGHTBREEZE
26.06.2022	27.06.2022	259	157	52	21	< 10	RAINY / WINDY
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>	
08.06.2022	09.06.2022	144	87	41	15	< 10	CLEAR/ LIGHTBREEZE
26.06.2022	27.06.2022	127	78	34	13	< 10	RAINY / WINDY
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>	
07.06.2022	08.06.2022	139	91	41	15	< 10	CLEAR/ LIGHTBREEZE
25.06.2022	26.06.2022	123	85	35	14	< 10	CLOUDY/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu

Reviewed &amp; Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: PCOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
09.06.2022	7.64	56	44	< 2
26.06.2022	8.06	50	40	< 2
<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>



Analysed by



Deepanshu sahu

Reviewed &amp; Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>NEAR MANAGER OFFICE:</b>		<b>PCON1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>DETECTION LIMIT</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
JUN'22	06.06.2022	45.9	43.6
JUN'22	25.06.2022	46.6	44.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY CHINDA:</b>		<b>PCON2</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>DETECTION LIMIT</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
JUN'22	06.06.2022	46.2	44.4
JUN'22	25.06.2022	45.7	43.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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

# GANPATI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




JUNE - 2022

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/JUN-22/58	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GANPATI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

LAMP ROOM   PGUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					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	
02.06.2022	03.06.2022	287	192	54	23	< 10	CLEAR/ LIGHTBREEZE
20.06.2022	21.06.2022	263	157	51	20	< 10	CLOUDY/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

MANAGER OFFICE   PMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					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	
02.06.2022	03.06.2022	263	158	58	21	11	CLEAR/ LIGHTBREEZE
20.06.2022	21.06.2022	279	174	57	22	12	CLOUDY/ LIGHTBREEZE
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 EDC DISPENSARY   PGUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					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	
02.06.2022	03.06.2022	137	76	40	14	< 10	CLEAR/ LIGHTBREEZE
20.06.2022	21.06.2022	143	83	37	13	< 10	CLOUDY/ LIGHTBREEZE
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

GUEST HOUSE PARASIA   PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					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	
02.06.2022	03.06.2022	146	87	37	15	< 10	CLEAR/ LIGHTBREEZE
20.06.2022	21.06.2022	138	83	33	14	< 10	CLOUDY/ LIGHTBREEZE
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



Analysed by



Deepanshu sahu  
Reviewed & Authorised by

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE: PGUN1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	45.2	43.4
JUN'22	25.06.2022	45.6	44.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: PGUN2</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	45.5	42.9
JUN'22	25.06.2022	45.7	43.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420035




JUNE - 2022

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/JUN-22/59	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	JAMUNIA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD	LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	293	167	57	22	12	CLEAR/ LIGHTBREEZE
22.06.2022	23.06.2022	262	153	49	19	< 10	RAINY / WINDY
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>	
04.06.2022	05.06.2022	287	191	56	23	11	CLEAR/ LIGHTBREEZE
22.06.2022	23.06.2022	253	154	48	19	< 10	RAINY / WINDY
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>	
04.06.2022	05.06.2022	144	91	41	16	< 10	CLEAR/ LIGHTBREEZE
22.06.2022	23.06.2022	123	77	34	13	< 10	RAINY / WINDY
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>	
03.06.2022	04.06.2022	132	91	39	14	< 10	CLEAR/ LIGHTBREEZE
21.06.2022	22.06.2022	122	77	34	13	< 10	RAINY / WINDY
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: PJUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.06.2022	7.98	50	44	< 2
22.06.2022	8.31	42	32	< 2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>MANAGER OFFICE:</b>		<b>PJUN1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>DETECTION LIMIT</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
JUN'22	06.06.2022	45.7	42.8
JUN'22	25.06.2022	45.2	43.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

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. 4634420035




JUNE - 2022

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/JUN-22/60	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MAHADEOPURI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.06.2022	03.06.2022	263	158	53	21	11	CLEAR/ LIGHTBREEZE
20.06.2022	21.06.2022	279	174	57	22	12	CLOUDY/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

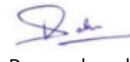
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.06.2022	03.06.2022	287	192	54	23	< 10	CLEAR/ LIGHTBREEZE
20.06.2022	21.06.2022	263	157	51	20	< 10	CLEAR/ LIGHTBREEZE
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>	
02.06.2022	03.06.2022	146	87	37	15	< 10	CLEAR/ LIGHTBREEZE
20.06.2022	21.06.2022	138	83	33	14	< 10	CLEAR/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.06.2022	03.06.2022	137	76	40	14	< 10	CLEAR/ LIGHTBREEZE
20.06.2022	21.06.2022	143	83	37	13	< 10	CLEAR/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu

Reviewed &amp; Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: PMUW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	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>
03.06.2022	7.98	46	40	< 2
20.06.2022	7.73	40	36	< 2
<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>



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



**NOISE LEVEL MONITORING DATA**

FAN HOUSE:		PMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JUN'22	06.06.2022	69.2	68.4
JUN'22	25.06.2022	69.6	67.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		PMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
JUN'22	06.06.2022	45.6	43.7
JUN'22	25.06.2022	45.7	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

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. 4634420035




JUNE - 2022

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/JUN-22/61	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEHARIA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE   PNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03.06.2022	04.06.2022	5	5	2	6	10	CLEAR/ LIGHTBREEZE
21.06.2022	22.06.2022	297	187	57	24	13	RAINY/ WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

LAMP ROOM/ SUBSTATION   PNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03.06.2022	04.06.2022	5	5	2	6	10	CLEAR/ LIGHTBREEZE
21.06.2022	22.06.2022	274	177	53	22	11	RAINY/ WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

NEHARIA VILLAGE   PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03.06.2022	04.06.2022	5	5	2	6	10	CLEAR/ LIGHTBREEZE
21.06.2022	22.06.2022	139	89	37	16	< 10	RAINY/ WINDY
NAAQS, 2009		-	100	60	80	80	

BOKAI TOWNSHIP   PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03.06.2022	04.06.2022	5	5	2	6	10	CLEAR/ LIGHTBREEZE
21.06.2022	22.06.2022	132	91	39	14	< 10	RAINY/ WINDY
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: PNUW1		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
03.06.2022	7.26	42	36	< 2
20.06.2022	7.02	48	40	< 2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE: PNUN1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	69.2	68.5
JUN'22	25.06.2022	69.4	68.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: PNUN2</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	45.9	44.7
JUN'22	25.06.2022	45.9	44.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420035




JUNE - 2022

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/JUN-22/62	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEW SETHIA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <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>	
07.06.2022	08.06.2022	294	183	58	23	< 10	CLEAR/ LIGHTBREEZE
25.06.2022	26.06.2022	269	159	51	21	< 10	CLOUDY / WINDY
<b>STANDARDS FOR COAL MINE, GSR 742(E), dt. 25<sup>TH</sup> September 2000</b>		<b>600</b>	<b>300</b>	<b>-</b>	<b>120</b>	<b>120</b>	

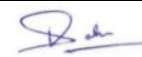
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	297	176	59	23	12	CLEAR/ LIGHTBREEZE
26.06.2022	27.06.2022	261	161	51	20	11	CLOUDY / WINDY
<b>STANDARDS FOR COAL MINE, GSR 742(E), dt. 25<sup>TH</sup> September 2000</b>		<b>600</b>	<b>300</b>	<b>-</b>	<b>120</b>	<b>120</b>	

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>	
08.06.2022	09.06.2022	144	87	41	15	< 10	CLEAR/ LIGHTBREEZE
26.06.2022	27.06.2022	127	78	34	13	< 10	RAINY / LIGHTBREEZE
<b>NAAQS, 2009</b>		<b>-</b>	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

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>	
07.06.2022	08.06.2022	139	91	41	15	< 10	CLEAR/ LIGHTBREEZE
25.06.2022	26.06.2022	123	85	35	14	< 10	RAINY / LIGHTBREEZE
<b>NAAQS, 2009</b>		<b>-</b>	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE:		PSOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.06.2022	7.93	54	40	< 2
26.06.2022	7.98	42	36	< 2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.



**NOISE LEVEL MONITORING DATA**

<b>NEAR MANAGER OFFICE: PSON1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	48.6	45.8
JUN'22	25.06.2022	50.6	47.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY CHINDA: PCON2</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	46.2	44.4
JUN'22	25.06.2022	45.7	43.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420035




JUNE - 2022

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/JUN-22/63	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SHIVPURI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SITE OFFICE   PSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	287	191	62	23	< 10	CLEAR/ LIGHTBREEZE
24.06.2022	25.06.2022	263	182	56	19	< 10	CLOUDY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

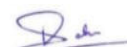
SUBSTATION VISHNUPURI-I   PV1UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	277	183	59	22	11	CLEAR/ LIGHTBREEZE
24.06.2022	25.06.2022	253	168	52	20	< 10	CLOUDY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI   PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	139	91	38	16	< 10	CLEAR/ LIGHTBREEZE
24.06.2022	25.06.2022	123	72	35	14	< 10	CLOUDY / WINDY
NAAQS, 2009		-	100	60	80	80	

CHINDA VILLAGE   PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08.06.2022	09.06.2022	144	87	41	15	< 10	CLEAR/ LIGHTBREEZE
26.06.2022	27.06.2022	127	78	34	13	< 10	CLOUDY / WINDY
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu

Reviewed &amp; Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>NEAR MANAGER OFFICE: PSON1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	45.9	44.2
JUN'22	25.06.2022	48.7	46.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

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. 4634420035




JUNE - 2022

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/JUN-22/64	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	THESGORA MATHANI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MATHANI VILLAGE   PTUA1							
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>	
05.06.2022	06.06.2022	143	91	38	15	< 10	CLEAR/ LIGHTBREEZE
23.06.2022	24.06.2022	127	80	32	14	< 10	RAINY / WINDY
NAAQS, 2009		-	100	60	80	80	

SAM OFFICE   PTUA2							
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>	
05.06.2022	06.06.2022	287	194	57	24	12	CLEAR/ LIGHTBREEZE
23.06.2022	24.06.2022	253	162	48	19	< 10	CLEAR/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MANAGER OFFICE- MATHANI   PTUA3							
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>	
05.06.2022	06.06.2022	292	187	59	23	11	CLEAR/ LIGHTBREEZE
23.06.2022	24.06.2022	248	144	46	18	< 10	CLEAR/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

JHURE COLONY- FILTER PLANT   PTUA4							
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>	
05.06.2022	06.06.2022	137	94	40	15	10	CLEAR/ LIGHTBREEZE
23.06.2022	24.06.2022	123	77	34	13	< 10	CLOUDY/ WINDY
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: PTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.06.2022	8.04	42	32	< 2
24.06.2022	7.04	38	28	< 2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE-MATHANI:</b>		<b>PTUN1</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	69.7	67.8
JUN'22	25.06.2022	69.7	67.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY-THESGORA:</b>		<b>PTUN2</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	45.6	44.2
JUN'22	25.06.2022	45.6	43.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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. 4634420035




JUNE - 2022

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/JUN-22/65	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	URDHAN OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

URDHAN MANAGER OFFICE PUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	276	177	57	22	13	CLEAR/ LIGHTBREEZE
22.06.2022	23.06.2022	253	163	53	21	12	RAINY / WINDY
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>	

URDHAN VILLAGE PUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04.06.2022	05.06.2022	144	93	36	14	< 10	CLEAR/ LIGHTBREEZE
22.06.2022	23.06.2022	133	86	38	13	< 10	RAINY / WINDY
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

NEHARIA VILLAGE PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03.06.2022	04.06.2022	139	89	37	16	< 10	CLEAR/ LIGHTBREEZE
21.06.2022	22.06.2022	128	81	34	15	< 10	RAINY / WINDY
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

BOKAI TOWNSHIP PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03.06.2022	04.06.2022	132	91	39	14	< 10	CLEAR/ LIGHTBREEZE
21.06.2022	22.06.2022	122	77	34	13	< 10	RAINY / WINDY
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By


- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: PUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.06.2022	7.54	56	48	< 2
22.06.2022	7.88	48	44	< 2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>MANAGER OFFICE: PUON1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE</b>	<b>NOISE LEVEL IN dB(A)</b>	
	<b>COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	48.6	45.9
JUN'22	25.06.2022	49.7	48.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

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. 4634420035




JUNE - 2022

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/JUN-22/67	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	VISHNUPURI-II UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE   PV1UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in 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>	
06.06.2022	07.06.2022	288	193	58	23	12	CLEAR / LIGHTBREEZE
24.06.2022	25.06.2022	264	181	51	19	10	CLOUDY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SUBSTATION   PV2UA2							
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>	
06.06.2022	07.06.2022	277	183	59	22	11	CLEAR / LIGHTBREEZE
24.06.2022	25.06.2022	253	168	52	20	< 10	CLOUDY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI   PSOA3							
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>	
06.06.2022	07.06.2022	139	91	38	16	< 10	CLEAR / LIGHTBREEZE
24.06.2022	25.06.2022	123	72	35	14	< 10	CLOUDY / WINDY
NAAQS, 2009		-	100	60	80	80	

CHINDA VILLAGE   PCOA3							
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>	
08.06.2022	09.06.2022	144	87	41	15	< 10	CLEAR / LIGHTBREEZE
26.06.2022	27.06.2022	127	78	34	13	< 10	CLOUDY / WINDY
NAAQS, 2009		-	100	60	80	80	



Analysed by



Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

MINE WATER DISCHARGE: PV2UW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.06.2022	7.29	48	36	< 2
24.06.2022	7.57	54	44	< 2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



 Deepanshu sahu  
 Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE UG-II: PV2UN1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	67.4	65.2
JUN'22	25.06.2022	67.7	66.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(VISHNUPURI-I): PV1UN2</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	45.6	43.8
JUN'22	25.06.2022	45.6	43.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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-I UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




JUNE - 2022

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/JUN-22/66	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 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)		
NAME OF AREA	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	VISHNUPURI-I UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE   PV1UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	288	193	58	23	12	CLEAR/ LIGHTBREEZE
24.06.2022	25.06.2022	264	181	51	19	10	CLOUDY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SUBSTATION   PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	277	183	59	22	11	CLEAR/ LIGHTBREEZE
24.06.2022	25.06.2022	253	168	52	20	< 10	CLOUDY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI   PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	139	91	38	16	< 10	CLEAR/ LIGHTBREEZE
24.06.2022	25.06.2022	123	72	35	14	< 10	CLOUDY / WINDY
NAAQS, 2009		-	100	60	80	80	

CHINDA VILLAGE   PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06.06.2022	07.06.2022	144	87	41	15	< 10	CLEAR/ LIGHTBREEZE
24.06.2022	25.06.2022	127	78	34	13	< 10	CLOUDY / WINDY
NAAQS, 2009		-	100	60	80	80	



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>FAN HOUSE UG-I: PV1UN1</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	46.4	44.2
JUN'22	25.06.2022	47.9	45.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: PV2UN2</b>			
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>NOISE LEVEL IN dB(A)</b>	
		<b>DAY TIME</b>	<b>NIGHT TIME</b>
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
JUN'22	06.06.2022	45.6	43.8
JUN'22	25.06.2022	45.6	43.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

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. 4634420034



JUNE - 2022

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/JUN-22/84	DATE OF ISSUE	28.07.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	CWS TADALI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	CWS TADALI		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SUBSTATION: CWSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.06.2022	03.06.2022	232	152	44	12	BDL	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	226	147	40	11	BDL	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

NEAR FILTER PLANT: CWSA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.06.2022	03.06.2022	152	52	28	7	BDL	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	164	58	24	6	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

ADMINISTRATIVE BUILDING: CWSA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.06.2022	03.06.2022	142	57	24	7	BDL	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	132	52	22	6	BDL	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

CWS COLONY: CWSA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02.06.2022	03.06.2022	127	52	26	7	BDL	Clear Sky / Lightbreeze
17.06.2022	18.06.2022	134	57	28	6	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

*J. Shrivastava*

Analysed by

*Deepanshu Sahu*

Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

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

ETP DISCHARGE: CWSW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02.06.2022	7.41	16	26	2.8
16.06.2022	7.53	18	28	2.6
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by


Deepanshu sahu  
Reviewed & Authorised By

- 1 This Report cannot be reproduced in part or full without written permission of the management.
- 2 This report refers to the values related to the items tested.

**NOISE LEVEL MONITORING DATA**

<b>NEAR WORKSHOP: CWSN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	09.06.2022	57.5	56.9
JUN'22	24.06.2022	58.3	57.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(CWS): CWSN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUN'22	09.06.2022	46.7	45.4
JUN'22	24.06.2022	46.7	45.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>