

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

The information given in this report is not to be
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 AREA

BALLARPUR OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7802
---	--------------------	--

TEST REPORT NO.	RIN/TR/AUGUST-20/27	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	No ₂	So ₂	
09.08.200	10.08.2020	5	5	2	6	10	CLOUDY WINDY
23.08.2020	24.08.2020	132	82	48	28	19	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION: BBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
10.08.2020	11.08.2020	5	5	2	6	10	CLOUDY WINDY
24.08.2020	25.08.2020	138	74	42	27	14	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PREMISES OF SUB AREA: BBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
10.08.2020	11.08.2020	5	5	2	6	10	CLOUDY WINDY
24.08.2020	25.08.2020	78	58	29	15	BDL	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT COLONY: BBUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
09.08.200	10.08.2020	5	5	2	6	10	CLOUDY WINDY
23.08.2020	24.08.2020	86	62	35	24	BDL	CLOUDY WINDY
NAAQS, 2009		-	100	60	80	80	

J. Singh

Analysed by

Deepanshu sahu

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)
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
10.08.2020	7.12	22	28	BDL
24.08.2020	7.45	20	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10.08.2020	8.09	24	36	BDL
24.08.2020	7.63	28	32	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

		CHP: BBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	10.08.2020	64.3	-
AUGUST 2020	21.08.2020	64.4	61.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

		COLONY BALLARPUR UG: BBUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	09.08.2020	45.4	-
AUGUST 2020	21.08.2020	45.5	44.2
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

BALLARPUR AREA

BALLARPUR UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/28	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	BALLARPUR UG		
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 ₁₀	PM _{2.5}	No ₂	So ₂	
09.08.200	10.08.2020	132	82	48	28	19	CLOUDY WINDY
23.08.2020	24.08.2020	128	74	44	26	14	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

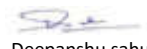
SUBSTATION: BBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
10.08.2020	11.08.2020	138	74	42	27	14	CLOUDY WINDY
24.08.2020	25.08.2020	122	65	44	28	18	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PREMISES OF SUB AREA: BBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
10.08.2020	11.08.2020	78	58	29	15	BDL	CLOUDY WINDY
24.08.2020	25.08.2020	92	62	38	22	BDL	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT COLONY: BBUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
09.08.200	10.08.2020	86	62	35	24	BDL	CLOUDY WINDY
23.08.2020	24.08.2020	94	65	42	22	BDL	CLOUDY WINDY
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)
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
9.08.2020	7.76	24	32	BDL
23.08.2020	7.72	22	36	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

FAN HOUSE: BBUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	9.8.2020	68.8	-
August 2020	21.8.2020	68.9	67.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: BBUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	9.8.2020	45.4	-
August 2020	21.8.2020	45.5	44.2
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

BALLARPUR AREA

GOURI-I & II (A) OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/30	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	GOURI I & II A OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE-GOURI-I OC: BGOA1		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
06.08.2020	07.08.2020	126	72	37	24	15	CLOUDY WINDY
20.08.2020	21.08.2020	132	76	39	26	16	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE GOURI SUB AREA: BGOA2		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
06.08.2020	07.08.2020	176	134	47	26	13	CLOUDY WINDY
20.08.2020	21.08.2020	182	138	48	32	15	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GOURI COLONY/FILTER PLANT: BSOA3		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07.08.2020	08.08.2020	82	58	24	19	12	CLOUDY WINDY
21.08.2020	22.08.2020	88	52	26	18	11	CLOUDY WINDY
NAAQS, 2009		-	100	60	80	80	

GOURI VILLAGE: BGOA4		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
FROM	TO	5	5	2	6	10	
07.08.2020	08.08.2020	77	48	32	19	12	CLOUDY WINDY
21.08.2020	22.08.2020	84	46	28	17	11	CLOUDY WINDY
NAAQS, 2009		-	100	60	80	80	

J. Singh

Analysed by

Deepanshu sahu

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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: BGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.08.2020	8.11	24	32	BDL
20.08.2020	7.63	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06.08.2020	8.02	20	36	BDL
20.08.2020	7.57	22	32	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

CHP: BGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug 2020	10.8.2020	65.6	-
Aug 2020	21.8.2020	65.7	65.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug 2020	9.8.2020	45.4	-
Aug 2020	21.8.2020	45.5	44.2
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

BALLARPUR AREA

GOURI DEEP UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020

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/AUGUST-20/29	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	GOURI DEEP		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE: BGDO1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
04.08.2020	05.08.2020	129	76	35	24	BDL	CALM, CLEAR SKY
18.08.2020	19.08.2020	132	82	38	28	11	CALM, CLEAR SKY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MUTRA VILLAGE: BGDO2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
04.08.2020	05.08.2020	62	36	27	19	BDL	CALM, CLEAR SKY
18.08.2020	19.08.2020	68	38	24	18	BDL	CALM, CLEAR SKY
NAAQS, 2009		-	100	60	80	80	

GOYEGAON VILLAGE: BGDO3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
04.08.2020	05.08.2020	76	50	28	17	BDL	CALM, CLEAR SKY
18.08.2020	19.08.2020	82	48	32	22	11	CALM, CLEAR SKY
NAAQS, 2009		-	100	60	80	80	

ANTARGAON VILLAGE: BGDO4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No _x	So _x	
04.08.2020	05.08.2020	65	47	18	10	BDL	CALM, CLEAR SKY
18.08.2020	19.08.2020	69	42	22	13	BDL	CALM, CLEAR SKY
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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: BGDW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.08.2020	7.83	22	32	BDL
18.08.2020	7.64	24	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt.	5.5 - 9.0	100	250	10

ETP(WORKSHOP) DISCHARGE: BGDW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.08.2020	7.3	18	28	BDL
18.08.2020	7.62	20	32	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

MANAGER OFFICE: BGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug 2020	04.8.2020	57.2	-
Aug 2020	21.8.2020	51.2	50.1
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

BALLARPUR AREA

NEW DHOPTALA OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-782
---	--------------------	---

TEST REPORT NO.	RIN/TR/AUGUST-20/31	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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			

SAM OFFICE-DHOPTALA SUB AREA: BNDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08.08.2020	09.08.2020	165	128	42	32	19	CLOUDY WINDY
22.08.2020	23.08.2020	158	122	38	24	11	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE-DHOPTALA OC: BNDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08.08.2020	09.08.2020	128	70	38	28	17	CLOUDY WINDY
22.08.2020	23.08.2020	134	67	36	26	16	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SASTI COLONY: BSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08.08.2020	09.08.2020	102	58	24	16	BDL	CLOUDY WINDY
22.08.2020	23.08.2020	110	62	28	18	BDL	CLOUDY WINDY
NAAQS, 2009		-	100	60	80	80	

MUTHRA VILLAGE: BNDOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
09.08.2020	10.08.2020	78	52	32	27	17	CLOUDY WINDY
23.08.2020	24.08.2020	82	48	30	24	16	CLOUDY WINDY
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

CHP: BNDON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug 2020	8.8.2020	67.6	-
Aug 2020	21.8.2020	67.5	-
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SASTI COLONY: BSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug 2020	8.8.2020	46.4	-
Aug 2020	21.8.2020	66.5	65.3
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

BALLARPUR AREA

PAUNI II OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/33	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	PAUNI II OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MINE OFFICE: BP2OA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.08.2020	06.08.2020	78	42	24	17	BDL	CLOUDY WINDY
19.08.2020	20.08.2020	65	37	22	15	BDL	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION: BP2OA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06.08.2020	07.08.2020	192	144	48	27	16	CLOUDY WINDY
20.08.2020	21.08.2020	198	148	52	29	19	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAKHARI VILLAGE: BP2OA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06.08.2020	07.08.2020	74	42	25	13	BDL	CLOUDY WINDY
20.08.2020	21.08.2020	82	44	27	15	BDL	CLOUDY 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 ₁₀	PM _{2.5}	No ₂	So ₂	
05.08.2020	06.08.2020	172	138	36	26	15	CLOUDY WINDY
19.08.2020	20.08.2020	178	142	44	28	16	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

J. Singh

Analysed by

Deepanshu sahu

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)
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
08.08.2020	7.70	20	36	BDL
19.08.2020	7.69	24	32	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

MANAGER OFFICE: BPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug 2020	6.8.2020	52.8	-
Aug 2020	21.8.2020	52.7	51.2
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

BALLARPUR AREA

PAUNI OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7602
---	--------------------	--

TEST REPORT NO.	RIN/TR/AUGUST-20/32	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	PAUNI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.08.2020	06.08.2020	126	73	35	18	BDL	CLOUDY WINDY
19.08.2020	20.08.2020	128	65	37	24	17	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.08.2020	06.08.2020	172	138	36	26	15	CLOUDY WINDY
19.08.2020	20.08.2020	178	142	44	28	16	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.08.2020	06.08.2020	74	45	27	18	BDL	CLOUDY WINDY
19.08.2020	20.08.2020	78	42	24	16	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 ₁₀	PM _{2.5}	No ₂	So ₂	
07.08.2020	08.08.2020	77	48	32	19	12	CLOUDY WINDY
21.08.2020	22.08.2020	84	46	28	17	11	CLOUDY WINDY
NAAQS, 2009		-	100	60	80	80	

J. Day

Analysed by

Deepanshu sahu

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)
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
05.08.2020	7.89	20	36	BDL
19.08.2020	7.71	24	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
05.08.2020	7.67	14	24	BDL
19.08.2020	82	16	32	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

MANAGER OFFICE: BPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug 2020	5.8.2020	50.3	-
Aug 2020	21.8.2020	50.4	49.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug 2020	07.8.2020	46.2	-
Aug 2020	25.8.2020	46.3	45.1
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

BALLARPUR AREA

SASTI OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/34	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	No ₂	So ₂	
07.08.2020	08.08.2020	188	136	48	28	17	CLOUDY WINDY
21.08.2020	22.08.2020	192	138	52	26	16	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	16	

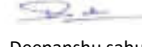
AREA STORE: BSOA2							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07.08.2020	08.08.2020	88	52	36	25	16	CLOUDY WINDY
21.08.2020	22.08.2020	92	56	38	24	12	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT: BSOA3							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
07.08.2020	08.08.2020	82	58	24	19	12	CLOUDY WINDY
21.08.2020	22.08.2020	88	52	26	18	12	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 ₁₀	PM _{2.5}	No _x	So _x	
08.08.2020	09.08.2020	72	38	22	14	BDL	CLOUDY WINDY
22.08.2020	23.08.2020	76	36	24	16	BDL	CLOUDY WINDY
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)
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
07.08.2020	7.72	18	28	BDL
21.08.2020	6.87	20	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: BSOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.08.2020	7.98	14	32	BDL
21.08.2020	7.78	16	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
07.08.2020	18	11.4
21.08.2020	22	10.8
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30


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: BSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug 2020	07.08.2020	64.8	-
Aug 2020	25.8.2020	64.9	63.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

GOURI COLONY: BSON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug 2020	07.08.2020	46.2	-
Aug 2020	21.08.2020	46.3	45.1
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

BALLARPUR AREA

SASTI UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/35	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	SASTI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

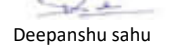
SAM OFFICE-DHOPTALA SU AREA: BNDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08.08.2020	09.08.2020	165	128	42	32	19	CLOUDY WINDY
22.08.2020	21.08.2020	158	122	38	24	11	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE-DHOPTALA OC: BNDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08.08.2020	09.08.2020	128	70	38	28	17	CLOUDY WINDY
22.08.2020	21.08.2020	134	67	36	26	16	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SASTI COLONY: BSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
08.08.2020	09.08.2020	102	58	24	16	BDL	CLOUDY WINDY
22.08.2020	23.08.2020	110	62	28	18	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 ₁₀	PM _{2.5}	No ₂	So ₂	
08.08.2020	09.08.2020	72	38	22	14	BDL	CLOUDY WINDY
22.08.2020	23.08.2020	76	36	24	16	BDL	CLOUDY WINDY
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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: BSUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.08.2020	7.36	20	28	BDL
22.08.2020	7.23	22	24	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

SASTI COLONY: BSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug 2020	8.8.2020	46.4	-
Aug 2020	21.8.2020	66.5	65.3
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

CHANDRAPUR AREA

BHATADI OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/17	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
13/08/2020	14/08/2020	5	5	2	6	10	CLOUDY/WINDY
28/08/2020	29/08/2020	148	96	50	20	BDL	RAINY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI MANAGER OFFICE: CBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13/08/2020	14/08/2020	5	5	2	6	10	CLOUDY/WINDY
28/08/2020	29/08/2020	136	90	44	18	BDL	RAINY/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BHATADI VILLAGE: CBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13/08/2020	14/08/2020	5	5	2	6	10	CLOUDY/WINDY
28/08/2020	29/08/2020	64	38	24	12	BDL	RAINY/CALM
NAAQS, 2009		-	100	60	80	80	

VADHOLI VILLAGE: CBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13/08/2020	14/08/2020	5	5	2	6	10	CLOUDY/WINDY
27/08/2020	28/08/2020	84	56	24	12	BDL	RAINY/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)
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
13/08/2020	7.86	38	32	BDL
28/08/2020	7.56	50	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: CBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13/08/2020	7.52	34	36	BDL
28/08/2020	7.67	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: CBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
13/08/2020	28	10
28/08/2020	22	8
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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

NEAR CHP: CBON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	13/08/2020	51.4	49.6
AUGUST 2020	25/08/2020	51.5	50.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CBON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	13/08/2020	44.4	42.3
AUGUST 2020	25/08/2020	44.5	43.2
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

CHANDRAPUR AREA

CRC UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/18	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	5	5	2	6	10	CLOUDY/WINDY
26.8.2020	27.08.2020	130	72	40	20	BDL	CLOUDY/WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CRC SUBSTATION/FILTER PLANT: CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13/08/2020	14/08/2020	174	94	34	10	BDL	CLOUDY/WINDY
26/08/2020	27/08/2020	188	102	40	12	BDL	CLOUDY/WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME: CCRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/8/2020	13/08/2020	182	98	38	14	BDL	CLOUDY/WINDY
26/08/2020	27/08/2020	176	90	42	10	BDL	CLOUDY/WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY MAHAKALI UG: CMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	76	42	28	10	BDL	CLOUDY WINDY
26.08.2020	27.08.2020	72	40	24	8	BDL	CLOUDY WINDY
NAAQS, 2009		-	100	60	80	80	



Analysed by



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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: CCRUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13/08/2020	7.63	30	24	BDL
26/08/2020	7.26	38	32	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

		CHP	CCRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)		
	DETECTION LIMIT	DAY TIME	NIGHT TIME	
AUGUST 2020	13.08.2020	52.5	50.4	
AUGUST 2020	25.08.2020	52.6	51.2	
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70	

		COLONY	CCRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)		
	DETECTION LIMIT	DAY TIME	NIGHT TIME	
AUGUST 2020	13.08.2020	43.4	41.5	
AUGUST 2020	25.08.2020	43.4	42.3	
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

CHANDRAPUR AREA

DRC UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/19	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	DRC UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PIT OFFICE-DRC-III UG: CDRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/8/2020	13/08/2020	5	5	2	6	10	CLOUDY WINDY
25/08/2020	26/08/2020	146	86	42	18	BDL	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEHARU NAGAR/SUBSTATION: CDRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13/08/2020	14/08/2020	5	5	2	6	10	CLOUDY /WINDY
27/08/2020	28/08/2020	156	92	38	12	BDL	RAINY/MODERATE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DRC-V COLONY: CDRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13/08/2020	14/08/2020	5	5	2	6	10	CLOUDY /WINDY
27/08/2020	28/08/2020	66	40	24	10	BDL	RAINY/MODERATE
NAAQS, 2009		-	100	60	80	80	

PIT OFFICE DRC-IV: CDRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13/08/2020	14/08/2020	5	5	2	6	10	CLOUDY /WINDY
25/08/2020	26/08/2020	138	80	46	20	BDL	CLOUDY/ LIGHT BREEZE
NAAQS, 2009		-	100	60	80	80	



Analysed by



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)
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
12/8/2020	7.31	42	36	BDL
25/08/2020	7.22	26	28	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

FAN HOUSE:		CDRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	13.08.2020	68.3	66.2
AUGUST 2020	25.08.2020	68.3	66.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY:		CDRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	3.08.2020	45.2	42.3
AUGUST 2020	25.08.2020	45.4	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

CHANDRAPUR AREA

DURGAPUR OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/20	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	DURGAPUR OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE-SECTOR V: CDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
3/8/2020	4/8/2020	134	80	36	14	BDL	Clody Windy
27/08/2020	28/08/2020	122	68	32	12	BDL	Cloudy/Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

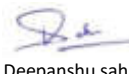
DURGAPUR VILLAGE CDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
3/8/2020	4/8/2020	82	56	24	10	BDL	Clody Windy
27/08/2020	28/08/2020	74	48	20	8	BDL	Cloudy/Windy
NAAQS, 2009		-	100	60	80	80	

MANAGER OFFICE Q-IV: CPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11.08.2020	12.08.2020	138	76	42	18	BDL	CLOUDY MODERATE
25.08.2020	26.08.2020	132	70	40	14	BDL	CLOUDY LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT DOC/POC COLONY: CDOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
3/8/2020	4/8/2020	76	52	28	12	BDL	Clody Windy
27/08/2020	28/08/2020	70	46	22	10	BDL	Cloudy/Windy
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)
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
04/08/202	7.7	28	24	BDL
27/08/2020	7.98	30	32	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
04/08/202	7.68	30	32	BDL
27/08/2020	5.04	26	24	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
04/08/202	7.14	34	28	BDL
27/08/2020	6.76	40	36	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
4/8/2020	42	14
27/08/2020	64	18
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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: CDON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	03.08.2020	56.4	52.2
AUGUST 2020	25.08.2020	51.7	50.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: CDON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	3.8.2020	45.2	42.3
AUGUST 2020	25.08.2020	45.4	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

CHANDRAPUR AREA

HLP-I & III UG OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020

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/AUGUST-20/22	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
3/8/2020	4/8/2020	140	86	34	18	BDL	Cloudy/Windy
27/08/2020	28/08/2020	132	78	32	14	BDL	Rainy/Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE-HLC-I INCLINE: CHUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11/8/2020	12/8/2020	146	92	40	20	BDL	CLOUDY/WINDY
26/08/2020	27/08/2020	150	86	44	18	BDL	Rainy/Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HLC-III COLONY: CHUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11/8/2020	12/8/2020	78	44	26	10	BDL	Cloudy/Windy
26/08/2020	27/08/2020	82	40	30	12	BDL	Rainy/Windy
NAAQS, 2009		-	100	60	80	80	

RAJIV GANDHI ENGG. COLLEGE: CHUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
11/8/2020	12/8/2020	72	40	28	12	BDL	Cloudy/Windy
26/08/2020	27/08/2020	80	44	32	14	BDL	Rainy/Windy
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)
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
11/8/2020	7.93	30	32	BDL
26/08/2020	7.56	38	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

FAN HOUSE-I		CHUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	03.08.2020	69.2	67.5
AUGUST 2020	25.08.2020	69.1	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY		CHUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	11.08.2020	43.5	41.4
AUGUST 2020	25.08.2020	43.6	42.3
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

CHANDRAPUR AREA

HLP OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7802
---	--------------------	--

TEST REPORT NO.	RIN/TR/AUGUST-20/21	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	HLP OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE (NANDGAON UG): CNUA1		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12.08.2020	13.08.2020	144	80	38	18	BDL	CLOUDY WINDY
25.08.2020	26.08.2020	150	84	32	16	10	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

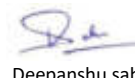
MANAGER OFFICE-HLOC: CHOA2		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10/8/2020	11/8/2020	138	74	38	20	12	CLOUDY WINDY
24/8/2020	25/08/2020	130	70	40	13	BDL	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE: CMUA4		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
12.08.2020	13.08.2020	80	48	30	12	BDL	CLOUDY WINDY
25.08.2020	26.08.2020	74	42	34	10	BDL	CLOUDY WINDY
NAAQS, 2009		-	100	60	80	80	

COLONY (NANDGAON): CNUA4		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
10.08.2020	11.08.2020	84	54	32	12	BDL	CLOUDY WINDY
24.08.2020	25.08.2020	90	58	30	14	BDL	CLOUDY WINDY
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)
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
10/8/2020	7.34	26	28	BDL
25/08/2020	7.52	34	32	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

CHP: CHON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	10.08.2020	51.1	49.6
AUGUST 2020	25.08.2020	51.3	50.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP: CHON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	10.08.2020.	45.4	43.4
AUGUST 2020	25.08.2020	45.5	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

CHANDRAPUR AREA

MAHAKALI UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/23	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MAHAKALI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE MAHAKALI UG: CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/8/2020	13/08/2020	124	68	38	18	BDL	CLOUDY/WINDY
26/08/2020	27/08/2020	130	72	40	20	BDL	CLOUDY/WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

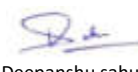
CRC SUBSTATION/FILTER PLANT: CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13.08.2020	14.08.2020	174	94	34	10	BDL	CLOUDY WINDY
26.08.2020	27.08.2020	188	102	40	12	BDL	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JATWARA MILK SCHEME: CCRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	182	98	38	14	BDL	CLOUDY WINDY
26.08.2020	27.08.2020	176	90	42	10	BDL	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY: CMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/8/2020	13/08/2020	76	42	28	10	BDL	CLOUDY/WINDY
26/08/2020	27/08/2020	72	40	24	8	BDL	CLOUDY/WINDY
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.

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance	
SAMPLE DESCRIPTION	Air sample(Fugitive)	
SAMPLING METHOD : LSOP 4		

MAHAKALI COAL STOCK BUNKER: CMKUF1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)			ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	
FROM	TO	5	5	2	CLOUDY/WINDY
12.08.2020	13.08.2020	198	102	46	



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
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
12/8/2020	7.39	50	48	BDL
26/08/2020	7.64	42	36	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

FAN HOUSE: CMUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	12.08.2020	69.1	67.4
AUGUST 2020	25.08.2020	64.1	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(MAHAKALI): CMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	11.08.2020	43.4	41.5
AUGUST 2020	25.08.2020	43.5	42.3
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

CHANDRAPUR AREA

MANA UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/24	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MANA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE: CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11/8/2020	12/8/2020	124	76	34	14	BDL	Cloudy/Windy
26/08/2020	27/08/2020	130	82	36	12	BDL	Cloudy/Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE: CMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/8/2020	13/08/2020	136	88	36	20	BDL	Cloudy/Windy
25/08/2020	26/08/2020	128	80	32	22	BDL	Cloudy/Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY (NANDGAON): CNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.08.2020	11.08.2020	84	54	32	12	BDL	CLOUDY/WINDY
24.08.2020	25.08.2020	90	58	30	14	BDL	CLOUDY/WINDY
NAAQS, 2009		-	100	60	80	80	

MANA VILLAGE: CMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/8/2020	13/08/2020	80	48	30	12	BDL	Cloudy/Windy
25/08/2020	26/08/2020	74	42	34	10	BDL	Cloudy/Windy
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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: CMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11/8/2020	7.6	52	56	BDL
26/08/2020	7.79	60	64	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

FAN HOUSE: CMUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	12.08.2020	67.6	65.5
AUGUST 2020	25.08.2020	67.7	66.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(HLP OC): CMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	10.08.2020	45.4	43.4
AUGUST 2020	25.08.2020	45.5	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

CHANDRAPUR AREA

NANDAGAON UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/25	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NANDGAON UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE NANDGAON UG: CNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/8/2020	13/08/2020	144	80	38	18	BDL	CLOUDLY/WINDY
25/08/2020	26/08/2020	150	84	32	16	BDL	CLOUDLY/WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE: CMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	136	88	36	20	BDL	CLOUDY WINDY
25.08.2020	26.08.2020	128	80	32	22	BDL	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANA VILLAGE: CMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	80	48	30	12	BDL	CLOUDY WINDY
25.08.2020	26.08.2020	74	42	34	10	BDL	CLOUDY WINDY
NAAQS, 2009		-	100	60	80	80	

COLONY NANDGAON: CNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10/8/2020	11/8/2020	84	54	32	12	BDL	CLOUDLY/WINDY
24/08/2020	25/08/2020	90	58	30	14	BDL	CLOUDLY/WINDY
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)
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
12/8/2020	7.52	22	24	BDL
25/08/2020	7.4	40	36	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

FAN HOUSE: CNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	12.08.2020	69.5	67.3
AUGUST 2020	25.08.2020	69.6	58.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY HLP OC: CNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	10.08.2020	45.4	43.4
AUGUST 2020	25.08.2020	45.5	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

CHANDRAPUR AREA

PADMAPUR OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/26	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	CHANDRAPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PADMAPUR OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD	LSOP 4		

MANAGER OFFICE-Q-IV: CPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11/8/2020	12/8/2020	138	76	42	18	BDL	CLOUDY/MODERATE
25/08/2020	26/08/2020	132	70	40	14	BDL	CLOUDY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

WARWAT VILLAGE: CPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11/8/2020	12/8/2020	88	56	30	14	BDL	CLOUDY/MODERATE
25/08/2020	26/08/2020	92	60	32	18	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		-	100	60	80	80	

KITADI VILLAGE: CPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11/8/2020	12/8/2020	70	44	26	10	BDL	CLOUDY/MODERATE
27/08/2020	28/08/2020	62	40	22	8	BDL	RAINY/MODERATE
NAAQS, 2009		-	100	60	80	80	

VICHODA RAYATWARI VILLAGE: CPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11/8/2020	12/8/2020	64	42	28	12	BDL	CLOUDY/MODERATE
24/08/2020	25/08/2020	76	48	34	16	BDL	RAINY/MODERATE
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.

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance	
SAMPLE DESCRIPTION	Air sample(Fugitive)	
SAMPLING METHOD	LSOP 4	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)			ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	
25.08.2020	26.08.2020	220	114	52	CLOUDY/LIGHT BREEZE



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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGESECTOR 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
11/8/2020	7.53	30	28	BDL
25/08/2020	7.24	32	36	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
11/8/2020	7.66	26	32	BDL
27/08/2020	7.35	44	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

CHP: CPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	13.08.2020	52.5	50.3
AUGUST 2020	25.08.2020	52.5	51.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DURGAPUR COLONY: CDON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST 2020	3.8.2020	45.2	42.3
AUGUST 2020	25.08.2020	45.4	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

MAJRI AREA

JUNA KUNADA OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020

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/AUGUST-20/50	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	JUNA KUNADA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			


DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06.08.2020	07.08.2020	194	125	39	30	BDL	Moderate Breeze,Cloudy
20.08.2020	21.08.2020	174	113	31	26	BDL	Light Breeze,rainy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06.08.2020	07.08.2020	186	105	36	27	BDL	Moderate Breeze,Cloudy
20.08.2020	21.08.2020	144	95	30	25	BDL	Light Breeze,Rainy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.08.2020	06.08.2020	115	77	36	18	BDL	Moderate Breeze,Cloudy
19.08.2020	20.08.2020	99	64	29	16	BDL	Light Breeze,Rainy
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
06.08.2020	07.08.2020	126	88	33	23	BDL	Moderate Breeze/cloudy
20.08.2020	21.08.2020	105	72	25	19	BDL	Light Breeze/Rainy
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

MANAGER OFFICE: MJON1		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	06.08.2020	45.6
AUGUST 2020	20.08.2020	44.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

EKTA NAGAR COLONY: MTON2		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	07.08.2020	43.6
AUGUST 2020	21.08.2020	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

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

ENVIRONMENTAL MONITORING REPORT

MAJRI AREA

NEW MAJRI-II(A) OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/52	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEW MAJRI-II(A) OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
4.08.2020	05.08.2020	180	120	40	28	BDL	LIGHT BREEZE/CLEAR
17.08.2020	18.08.2020	160	102	36	24	BDL	LIGHT BREEZE/RAINY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
4.08.2020	05.08.2020	178	105	39	30	BDL	LIGHT BREEZE/CLEAR
17.08.2020	18.08.2020	166	84	27	22	BDL	LIGHT BREEZE/RAINY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
4.08.2020	05.08.2020	154	96	32	20	BDL	LIGHT BREEZE/CLEAR
17.08.2020	18.08.2020	137	88	35	26	BDL	LIGHT BREEZE/RAINY
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
4.08.2020	05.08.2020	98	68	28	21	BDL	LIGHT BREEZE/CLEAR
17.08.2020	18.08.2020	74	55	24	18	BDL	LIGHT BREEZE/RAINY
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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: MMOW1				
DATE OF SAMPLE	ANALYSIS RESULTS			
COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.08.2020	7.25	24	36	BDL
17.08.2020	7.45	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: MMOW2				
DATE OF SAMPLE	ANALYSIS RESULTS			
COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.08.2020	7.37	22	32	BDL
17.08.2020	7.15	26	28	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

FIELD MINE SHED: MMON1		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	05.08.2020	56.4
AUGUST 2020	19.08.2020	55.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

KUCHNA COLONY: MMON2		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	05.08.2020	44.2
AUGUST 2020	19.08.2020	44.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

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

ENVIRONMENTAL MONITORING REPORT

MAJRI AREA

NEW MAJRI UG TO OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/51	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEW MAJRI UG TO OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PATALA MAGZINE: MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
4.08.2020	05.08.2020	178	105	39	30	BDL	LIGHT BREEZE/CLEAR
17.08.2020	18.08.2020	166	84	27	22	BDL	LIGHT BREEZE/RAINY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE UG TO OC: MMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.08.2020	06.08.2020	220	160	48	36	13	MODERATE BREEZE/CLEAR SKY
19.08.2020	20.08.2020	184	135	36	30	BDL	LIGHT BREEZE/RAINY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CONTRACTOR CAMP: MMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.08.2020	06.08.2020	164	115	39	26	BDL	MODERATE BREEZE/CLEAR SKY
19.08.2020	20.08.2020	136	99	27	20	BDL	LIGHT BREEZE/RAINY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAWARLA VILLAGE: MMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	No ₂	So ₂	
05.08.2020	06.08.2020	98	66	24	18	BDL	Moderate Breeze/Clear Sky
19.08.2020	20.08.2020	84	58	20	12	BDL	Light Breeze/Rainy
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)
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
04.08.2020	7.47	20	24	BDL
17.08.2020	7.77	24	28	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
04.08.2020	7.64	32	36	BDL
17.08.2020	7.84	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

PIT OFFICE		MMUN1
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)
	COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	05.08.2020	55.4
AUGUST 2020	19.08.2020	54.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY(MAJRI UG TO OC):		MMUN2
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)
	COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	05.08.2020	43.6
AUGUST 2020	19.08.2020	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

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

ENVIRONMENTAL MONITORING REPORT

MAJRI AREA

TELWASA OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/53	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
06.08.2020	07.08.2020	135	84	26	20	BDL	Moderate Breeze,CLOUDY
20.08.2020	21.08.2020	114	72	23	18	BDL	Light Breeze,RAINY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
07.08.2020	08.08.2020	148	93	30	23	BDL	Moderate Breeze,CLEAR SKY
21.08.2020	22.08.2020	120	104	37	32	11	Light Breeze,RAINY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
07.08.2020	08.08.2020	115	83	26	22	BDL	Moderate Breeze,Clear sky
21.08.2020	22.08.2020	86	94	28	24	BDL	Light Breeze,Rainy
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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
05.08.2020	06.08.2020	115	77	36	18	BDL	Moderate Breeze,Cloudy
19.08.2020	20.08.2020	99	64	29	16	BDL	Light Breeze,Rainy
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)
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
07.08.2020	28	10
20.08.2020	32	10.8
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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

NEAR PIT OFFICE:		MTON1
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	06.08.2020	44
AUGUST 2020	20.08.2020	44.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

EKTA NAGAR COLONY:		MTON2
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	7.08.2020	43.6
AUGUST 2020	21.08.2020	43.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

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

ENVIRONMENTAL MONITORING REPORT

NEW MAJRI AREA

YEKONA I & II OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020

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/AUGUST-20/54	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-1/588-615 DATED: 15.06.20		
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	MAJRI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	YEKONA I & II OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PIT OFFICE: MYOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.08.2020	08.08.2020	155	70	25	17	BDL	Moderate ,clear sky
21.08.2020	22.08.2020	139	63	20	13	BDL	Light breeze,Rainy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PENZURNI VILLAGE: MYOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.08.2020	08.08.2020	105	74	27	20	BDL	Moderate ,clear sky
21.08.2020	22.08.2020	94	66	23	14	BDL	Light breeze,Rainy
NAAQS, 2009		-	100	60	80	80	

ASHTI VILLAGE: MYOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.08.2020	09.08.2020	88	55	20	12	BDL	Moderate breeze, clear sky
22.08.2020	23.08.2020	76	50	17	10	BDL	Moderate breeze, cloudy
NAAQS, 2009		-	100	60	80	80	

DANDGAON VILLAGE: MYOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.08.2020	09.08.2020	100	60	31	19	BDL	Moderate Breeze, Clear sky
22.08.2020	23.08.2020	82	57	22	14	BDL	Moderate Breeze, Cloudy
NAAQS, 2009		-	100	60	80	80	

HIWRA MAJRA VILLAGE: MYOA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.08.2020	09.08.2020	117	75	30	24	BDL	Moderate Breeze, clear sky
22.08.2020	23.08.2020	105	69	27	16	BDL	Moderate Breeze, cloudy
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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: 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
07.08.2020	7.86	30	44	BDL
22.08.2020	7.21	24	32	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

PIT OFFICE		MYON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUGUST 2020	7.08.2020	56.7	-
AUGUST 2020	21.08.2020	56.2	-
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

NAGPUR AREA

ADASA UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/1	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.08.2020	05.08.2020	100	68	28	18	11	CLOUDY,WINDY
19.08.2020	20.08.2020	96	69	34	16	11	CLEAR,CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE: NAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13.08.2020	14.08.2020	80	55	24	14	BDL	CLOUDY,WINDY
19.08.2020	20.08.2020	76	46	28	12	BDL	CLEAR,CALM
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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.08.2020	05.08.2020	86	59	26	14	BDL	CLOUDY,WINDY
18.08.2020	19.08.2020	78	52	30	14	BDL	CLEAR,CALM
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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.08.2020	05.08.2020	84	53	25	12	BDL	CLOUDY,WINDY
18.08.2020	19.08.2020	74	48	26	12	BDL	CLEAR,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:		NAUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	13.08.2020	65.9	63.2
August 2020	28.08.2020	65.4	64.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

MANAGER OFFICE:		NAUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	13.08.2020	55.3	53.8
August 2020	28.08.2020	56.3	54.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY (SAONER):		NAUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	13.08.2020	41.5	40.1
August 2020	28.08.2020	43.2	41.4
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

NAGPUR AREA

BHANEGOAN OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/2	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.08.2020	10.08.2020	94	65	31	60	BDL	RAINY, WINDY
24.08.2020	25.08.2020	98	66	34	16	11	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BINA SANGAM TEMPLE: NBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.08.2020	11.08.2020	73	49	28	14	BDL	CLOUDY, WINDY
24.08.2020	25.08.2020	78	48	28	12	BDL	CLOUDY, WINDY
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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.08.2020	10.08.2020	72	42	23	12	BDL	RAINY, WINDY
24.08.2020	25.08.2020	98	66	34	16	11	CLEAR, CALM
NAAQS, 2009		-	100	60	80	80	

DORLI VILLAGE: NBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.08.2020	11.08.2020	78	46	24	12	BDL	CLOUDY WINDY
25.08.2020	26.08.2020	68	46	26	12	BDL	CLOUDY 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)
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
04.08.2020	7.82	28	44	BDL
24.08.2020	8.01	26	34	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

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
August 2020	13.08.2020	54.2	53.2
August 2020	24.08.2020	54.5	52.3
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

NAGPUR AREA

GONDEGAON OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/3	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GONDEGAON OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

NEAR SUBSTATION: NGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.08.2020	08.08.2020	80	58	30	14	BDL	CLOUDY WINDY
22.08.2020	23.08.2020	100	62	30	18	12	CLOUDY WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GONDEGAON VILLAGE SCHOOL: NGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.08.2020	04.08.2020	98	52	26	14	BDL	CLOUDY WINDY
24.08.2020	25.08.2020	82	48	24	12	BDL	CLOUDY WINDY
NAAQS, 2009		-	100	60	80	80	

COLONY/GUEST HOUSE: NGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.08.2020	04.08.2020	92	54	28	14	BDL	CLOUDY WINDY
23.08.2020	24.08.2020	90	54	26	16	12	CLOUDY WINDY
NAAQS, 2009		-	100	60	80	80	

GHATROHNA VILLAGE: NGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.08.2020	04.08.2020	79	46	28	12	BDL	CLOUDY WINDY
23.08.2020	24.08.2020	88	48	22	14	BDL	CLOUDY WINDY
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.

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality
SAMPLE DESCRIPTION	Air sample(Fugitive)
SAMPLING METHOD : LSOP 4	

Security check post/W.bridge					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)			ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	
23.08.2020	24.08.2020	5	5	2	CLOUDY,WINDY
		156	86	52	



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)
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
10.08.2020	7.83	30	44	BDL
25.08.2020	8.5	32	38	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
10.08.2020	7.68	36	42	BDL
24.08.2020	7.89	30	42	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

		CHP	NGON1	
MONTH	DATE OF SAMPLE COLLECTION		NOISE LEVEL IN dB(A)	
			DAY TIME	NIGHT TIME
	DETECTION LIMIT			20
August 2020	13.08.2020		64.2	63.5
August 2020	24.08.2020		67.5	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES			75	70

		GONDEGAON VILAGE	NGON2	
MONTH	DATE OF SAMPLE COLLECTION		NOISE LEVEL IN dB(A)	
			DAY TIME	NIGHT TIME
	DETECTION LIMIT			20
August 2020	13.08.2020		41.3	40.3
August 2020	24.08.2020		42.3	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES			55	45

		GHATROHNA VILLAGE: NGON3			
MONTH	DATE OF SAMPLE COLLECTION		NOISE LEVEL IN dB(A)		
			DAY TIME	NIGHT TIME	
	DETECTION LIMIT			20	20
August 2020	10.08.2020		41.9	40.7	
August 2020	24.08.2020		41.6	41.2	
NOISE POLLUTION (REGULATION AND CONTROL) RULES			55	45	

		JUNI KAMPTEE VILLAGE: NGON4			
MONTH	DATE OF SAMPLE COLLECTION		NOISE LEVEL IN dB(A)		
			DAY TIME	NIGHT TIME	
	DETECTION LIMIT			20	20
August 2020	10.08.2020		41.8	40.1	
August 2020	24.08.2020		42.3	41.1	
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

NAGPUR AREA

INDER UG TO OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/4	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	INDER UG TO OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

NEAR PIT NO.6/MANAGER OFFICE: NIOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.08.2020	09.08.2020	82	45	28	16	12	RAINY, WINDY
21.08.2020	22.08.2020	88	52	36	14	BDL	RAINY, WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	


CMPDI TEKADI STORE: NIOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.08.2020	09.08.2020	86	56	26	16	BDL	RAINY, WINDY
21.08.2020	22.08.2020	104	66	36	18	12	CLOUDY, WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY WATER TREATMENT PLANT: NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.08.2020	10.08.2020	70	40	24	12	BDL	RAINY, WINDY
22.08.2020	23.08.2020	80	50	32	14	BDL	CLOUDY, WINDY
NAAQS, 2009		-	100	60	80	80	

G.P OFFICE KANDRI: NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.08.2020	09.08.2020	68	43	26	12	BDL	RAINY, WINDY
22.08.2020	23.08.2020	78	46	26	12	BDL	RAINY, WINDY
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.

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality
SAMPLE DESCRIPTION	Air sample(Fugitive)
SAMPLING METHOD : LSOP 4	

Sub Station Near Coal Stock Yard		NIOF1			ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)			
FROM	TO	SPM	PM ₁₀	PM _{2.5}	
21.08.2020	22.08.2020	186	102	68	RAINY WINDY



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)
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
08.08.2020	7.84	38	50	BDL
21.08.2020	7.68	28	36	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

RC OFFICE:NION1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	10.08.2020	55.5	54.4
August 2020	24.08.2020	52.1	50.4
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

NAGPUR AREA

KAMPTEE DEEP OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/5	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	KAMPTEE DEEP OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SUBSTATION: NKCA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.08.2020	09.08.2020	76	52	30	14	BDL	RAINY, WINDY
21.08.2020	22.08.2020	98	60	34	16	12	RAINY, WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JUNI KAMPTEE VILLAGE: NKCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.08.2020	09.08.2020	72	42	23	12	BDL	RAINY, WINDY
22.08.2020	23.08.2020	84	45	24	16	11	CLOUDY, WINDY
NAAQS, 2009		-	100	60	80	80	

COLONY WATER TREATMENT PLANT: NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.08.2020	10.08.2020	70	40	24	12	BDL	RAINY, WINDY
22.08.2020	23.08.2020	80	50	32	14	BDL	CLOUDY, WINDY
NAAQS, 2009		-	100	60	80	80	

G.P. OFFICE KANDRI VILLAGE: NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.08.2020	09.08.2020	68	43	26	12	BDL	RAINY, WINDY
22.08.2020	23.08.2020	78	46	26	12	BDL	RAINY, WINDY
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.

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality	
SAMPLE DESCRIPTION	Air sample(Fugitive)	
SAMPLING METHOD : LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		Rly siding	NKCF1		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)	SPM	PM ₁₀	
23.08.2020	24.08.2020		5	5	2
			174	96	64
CLOUDY WINDY					



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)
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
09.08.2020	7.89	32	38	BDL
22.08.2020	7.65	34	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

CHP: NKC1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	13.08.2020	64.6	63.2
August 2020	24.08.2020	64.6	62.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(KAMPTEE): NKC2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	13.08.2020	43.1	42.2
August 2020	24.08.2020	42.9	41.2
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

NAGPUR AREA

PATANSAONGI UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/6	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	106	75	30	16	11	Cloudy,Windy
19.08.2020	20.08.2020	102	71	36	18	13	CLEAR, CLAM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SADBHAVAN NAGAR(FILTER PLANT): NPTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	108	60	29	18	11	Cloudy,Windy
19.08.2020	20.08.2020	98	52	30	14	BDL	CLEAR, CLAM
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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	88	65	30	12	BDL	Cloudy,Windy
28.08.2020	29.08.2020	84	56	28	16	11	RAINY,CALM
NAAQS, 2009		-	100	60	80	80	

SAVERMENDHA 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
13.08.2020	14.08.2020	94	53	28	14	BDL	Cloudy,Windy
28.08.2020	29.08.2020	76	48	28	12	BDL	RAINY,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)
SAMPLING METHOD	LSOP 5

MINE DISCHARGE: NPTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.08.2020	7.9	32	28	BDL
19.08.2020	8.1	30	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

FAN HOUSE: NPTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
DETECTION LIMIT		20	20
August 2020	13.08.2020	63.5	63.2
August 2020	28.08.2020	65.3	66.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: NPTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
DETECTION LIMIT		20	20
August 2020	13.08.2020	42.1	41.5
August 2020	28.08.2020	42.4	41.1
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

NAGPUR AREA

PIPLA UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/7	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	PIPLA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

NEAR MAGZINE/MANAGER OFFICE: NPUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	104	76	32	16	11	CLOUDY,WINDY
27.08.2020	28.08.2020	94	32	30	18	12	CLOUDY, CALM
STANDARDS FOR COAL MINE, GSR 742(E),		600	300	-	120	120	

IN ZONE-4: NPUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.08.2020	12.08.2020	84	54	24	12	BDL	CLOUDY,WINDY
27.08.2020	28.08.2020	92	58	30	14	BDL	RAINY CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

FILTER PLANT: NPUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.08.2020	12.08.2020	106	62	29	18	BDL	CLOUDY,WINDY
27.08.2020	28.08.2020	84	52	26	16	BDL	RAINY CALM
NAAQS, 2009		-	100	60	80	80	

SHIV MANDIR: NPUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.08.2020	12.08.2020	88	48	26	14	BDL	CLOUDY,WINDY
27.08.2020	28.08.2020	78	46	26	12	BDL	CLOUDY, 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: NPUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	13.08.2020	67.6	66.3
August 2020	28.08.2020	69.3	67.4
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

NAGPUR AREA

SAONER UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/8	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SAONER UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

C.M OFFICE:-SAONER-I UG: NSNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.08.2020	06.08.2020	5	5	2	6	10	CLOUDY, WINDY
18.08.2020	19.08.2020	94	68	32	14	11	CLEAR, CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

C.M OFFICE:-SAONER-II UG: NSNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.08.2020	06.08.2020	102	72	30	18	16	CLOUDY, WINDY
18.08.2020	19.08.2020	88	56	28	12	BDL	CLEAR, CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT: NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.08.2020	05.08.2020	86	59	26	14	BDL	CLOUDY, WINDY
18.08.2020	19.08.2020	78	52	30	14	BDL	CLEAR, CALM
NAAQS, 2009		-	100	60	80	80	

KOTODI VILLAGE: NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.08.2020	05.08.2020	84	53	25	12	BDL	CLOUDY, WINDY
18.08.2020	19.08.2020	74	48	26	12	BDL	CLEAR, 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.

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality	
SAMPLE DESCRIPTION	Air sample(Fugitive)	
SAMPLING METHOD : LSOP 4		

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)			ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	
05.08.2020	06.08.2020	165	98	56	CLOUDY,WINDY

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)			ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	
05.08.2020	06.08.2020	186	106	64	CLOUDY,WINDY



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)
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
05.08.2020	7.9	24	32	BDL
18.08.2020	8.5	26	36	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
05.08.2020	7.65	22	36	BDL
18.08.2020	7.78	28	34	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
05.08.2020	7.86	18	52	BDL
18.08.2020	8.2	24	32	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

FAN HOUSE-I: NSNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	13.08.2020	67.7	65.1
August 2020	28.08.2020	67.8	65.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-II: NSNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	13.08.2020	68.2	66.7
August 2020	28.08.2020	68.3	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

FAN HOUSE-III: NSNUN3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	13.08.2020	66.5	64.1
August 2020	28.08.2020	68.6	67.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: NSNUN4			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	13.08.2020	41.5	40.1
August 2020	28.08.2020	43.2	41.4
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

NAGPUR AREA

SILEWARA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/9	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SILEWARA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

WATER FILTER PLANT: NSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.08.2020	04.08.2020	80	49	29	14	BDL	CLOUDY,WINDY
27.08.2020	28.08.2020	90	56	34	16	12	CLEAR SKY,CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

V.T.C SILEWARA: NSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.08.2020	04.08.2020	84	55	28	12	BDL	CLOUDY WINDY
26.08.2020	27.08.2020	96	54	32	14	BDL	CLEAR SKY,CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANDIR NEAR KANHAN RIVER: NSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.08.2020	04.08.2020	74	46	24	11	BDL	CLOUDY WINDY
26.08.2020	27.08.2020	78	46	33	12	BDL	CLEAR 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.08.2020	12.08.2020	84	51	26	14	BDL	CLOUDY WINDY
26.08.2020	27.08.2020	82	52	28	12	BDL	CLEAR 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)
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
12.08.2020	7.5	22	36	BDL
20.08.2020	7.79	32	38	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

FAN HOUSE: NSUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	13.08.2020	68.2	67.3
August 2020	28.08.2020	68.4	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(SILEWARA): NSUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	13.08.2020	41.3	40.2
August 2020	28.08.2020	41.4	41.2
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

NAGPUR AREA

SINGORI OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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	 EC-7182
---	--------------------	--

TEST REPORT NO.	RIN/TR/AUGUST-20/10	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	NAGPUR	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SINGORI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

CONTRACTOR CAMP: NSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.08.2020	11.08.2020	88	59	30	16	BDL	CLOUDY WINDY
25.08.2020	26.08.2020	104	65	32	18	11	CLOUDY, CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SOHALI VILLAGE: NSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.08.2020	12.08.2020	79	48	22	12	BDL	CLOUDY WINDY
25.08.2020	26.08.2020	84	46	25	16	11	CLEAR, CALM
NAAQS, 2009		-	100	60	80	80	

HINGNA VILLAGE: NSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.08.2020	11.08.2020	74	46	26	11	BDL	CLOUDY WINDY
25.08.2020	26.08.2020	86	50	24	14	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.08.2020	11.08.2020	78	46	24	12	BDL	CLOUDY WINDY
25.08.2020	26.08.2020	68	46	26	12	BDL	CLOUDY, 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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: NSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.08.2020	8.00	26	28	BDL
25.08.2020	7.74	28	36	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

CONTRACTOR CAMP: NSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	08.08.2020	43.8	52.7
August 2020	24.08.2020	53.2	51.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SOHALI VILLAGE: NSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	08.08.2020	42.4	41.3
August 2020	24.08.2020	41.3	41.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

DRILING SITE: NSON3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	10.08.2020	63.6	56.9
August 2020	24.08.2020	59.3	57.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

DOSING SITE: NSON4			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
August 2020	10.08.2020	58.3	54.6
August 2020	24.08.2020	58.4	56.5
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

UMRER AREA

DINESH OCP

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/11	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	DINESH OCP		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE: UM30A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.08.2020	06.08.2020	149	99	35	32	11	Clouy, Windy
18.08.2020	19.08.2020	163	123	42	35	13	Clouy, Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR RLY.WEIGHT BRIDGE: UM30A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.08.2020	07.08.2020	130	89	29	24	BDL	Clouy, Windy
19.08.2020	20.08.2020	115	65	24	21	BDL	Clouy, Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIPRADOL VILLAGE: UM30A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.08.2020	07.08.2020	99	63	20	14	<10	Clouy, Windy
19.08.2020	20.08.2020	107	69	24	16	<10	Clouy, Windy
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)
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
5.08.2020	7.43	34	48	BDL
19.08.2020	7.79	38	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): 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
05.08.2020	7.42	26	32	BDL
19.08.2020	7.64	20	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by



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

NEAR PIT OFFICE:		UM3ON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG-20	08.08.2020	56.9	55.8
AUG-20	18.08.2020	58.3	55.7
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

UMRER AREA

GOKUL OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7802
---	--------------------	--

TEST REPORT NO.	RIN/TR/AUGUST-20/12	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GOKUL OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

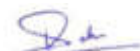
CONTRACTOR CAMP: UGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.08.2020	8.08.2020	158	130	43	32	13	Cloudy windy
20.08.2020	21.08.2020	132	117	30	24	BDL	Cloudy windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BESUR VILLAGE: UGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.08.2020	8.08.2020	86	50	18	12	BDL	Cloudy windy
20.08.2020	21.08.2020	71	45	14	10	BDL	Cloudy windy
NAAQS, 2009		-	100	60	80	80	

NAND VILLAGE: UGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.08.2020	8.08.2020	76	45	15	12	BDL	Cloudy windy
20.08.2020	21.08.2020	94	49	17	13	BDL	Cloudy windy
NAAQS, 2009		-	100	60	80	80	

POLGAON VILLAGE: UGOA4							
DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07.08.2020	8.08.2020	88	50	18	15	BDL	Cloudy windy
20.08.2020	21.08.2020	96	56	23	18	BDL	Cloudy windy
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)
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
07.08.2020	6.86	22	28	BDL
19.08.2020	6.69	28	36	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
07.08.2020	7.14	30	48	BDL
19.08.2020	7.3	24	36	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

CONTRACTOR CAMP:		UGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG-20	08.08.2020	55.3	53.7
AUG-20	18.08.2020	59.2	56.1
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

UMRER AREA

MAKARDHOKRA-II OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/14	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MAKARDHOKRA-II		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			


NEAR MANAGER OFFICE: UMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.08.2020	04.08.2020	190	125	40	32	12	Clouy, Windy
17.08.2020	18.08.2020	174	115	37	30	11	Clouy, Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE: UMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.08.2020	04.08.2020	148	94	29	22	BDL	Clouy, Windy
17.08.2020	18.08.2020	162	115	36	31	BDL	Clouy, Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE: UMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.08.2020	06.08.2020	74	55	20	15	BDL	Clouy, Windy
19.08.2020	20.08.2020	98	64	26	20	BDL	Clouy, Windy
NAAQS, 2009		-	100	60	80	80	

NEAR PUMP HOUSE COLONY: UMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.08.2020	04.08.2020	132	88	24	17	BDL	Clouy, Windy
17.08.2020	18.08.2020	107	69	19	16	BDL	Clouy, Windy
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)
SAMPLING METHOD	LSOP 5

ETP: UMOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.08.2020	7.57	20	36	BDL
18.08.2020	7.66	26	28	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

NEAR PIT OFFICE:		UMON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20	20
August 2020	08.08.2020	58.1	56.1
August 2020	18.08.2020	56.4	55.2
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

UMRER AREA

MAKARDHOKRA-I OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/13	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO ₂ : IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MAKARDHOKRA-I OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PIT OFFICE: UM10A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.08.2020	05.08.2020	156	108	34	28	BDL	Cloudy windy
18.08.2020	19.08.2020	175	125	40	33	11	Cloudy windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KALMANA VILLAGE: UM10A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.08.2020	05.08.2020	106	77	28	26	BDL	Cloudy windy
18.08.2020	19.08.2020	115	82	24	19	BDL	Cloudy windy
NAAQS, 2009		-	100	60	80	80	

SIRPUR VILLAGE: UM10A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.08.2020	05.08.2020	91	68	24	20	BDL	Cloudy windy
18.08.2020	19.08.2020	85	55	18	14	BDL	Cloudy windy
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)
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
04.08.2020	7.33	28	40	BDL
19.08.2020	7.21	22	44	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

NEAR PIT OFFICE:		UM10N1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUG-20	08.08.2020	56.7	55.4
AUG-20	18.08.2020	57.3	56.2
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

UMRER AREA

MORPAR UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7802
---	--------------------	--

TEST REPORT NO.	RIN/TR/AUGUST-20/15	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MORPAR UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			


NEAR PIT OFFICE: UMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.08.2020	07.08.2020	144	95	30	25	BDL	Cloudy windy
18.08.2020	19.08.2020	126	82	26	20	BDL	Cloudy windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR MAGZINE BUILDING: UMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.08.2020	07.08.2020	132	84	25	20	BDL	Cloudy windy
18.08.2020	19.08.2020	111	70	22	16	BDL	Cloudy windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY: UMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.08.2020	07.08.2020	101	66	28	22	BDL	Cloudy windy
18.08.2020	19.08.2020	93	60	24	17	BDL	Cloudy windy
NAAQS, 2009		-	100	60	80	80	

MORPAR VILLAGE: UMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06.08.2020	07.08.2020	75	52	16	14	BDL	Cloudy windy
18.08.2020	19.08.2020	69	45	14	12	BDL	Cloudy windy
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)
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
06.08.2020	7.4	28	32	BDL
18.08.2020	7.89	18	24	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

FAN HOUSE:		UMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	Night time
	DETECTION LIMIT		20
August 2020	08.08.2020	63.2	63.1
August 2020	18.08.2020	63.4	-
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		UMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	Night time
	DETECTION LIMIT		20
August 2020	08.08.2020	43.1	42.4
August 2020	18.08.2020	43	-
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 AREA

UMRER OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020



Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY



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

TEST REPORT NO.	RIN/TR/AUGUST-20/16	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-1/588-615 DATED: 15.06.20		
TEST 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	UMRER	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	UMRER OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

UMRER MANAGER OFFICE: UUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.08.2020	06.08.2020	174	94	25	17	BDL	Clouy, Windy
19.08.2020	20.08.2020	155	79	28	20	BDL	Clouy, Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR WORKSHOP: UUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.08.2020	04.08.2020	158	94	30	24	BDL	Clouy, Windy
17.08.2020	18.08.2020	140	89	32	23	BDL	Clouy, Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KANWA VILLAGE: UUOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05.08.2020	06.08.2020	74	55	20	15	BDL	Clouy, Windy
19.08.2020	20.08.2020	98	64	26	20	BDL	Clouy, Windy
NAAQS, 2009		-	100	60	80	80	

NEAR PUMP HOUSE COLONY: UUOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
03.08.2020	04.08.2020	132	88	24	17	BDL	Clouy, Windy
17.08.2020	18.08.2020	107	69	19	16	BDL	Clouy, Windy
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
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
03.08.2020	7.44	18	24	BDL
20.08.2020	7.67	24	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03.08.2020	7.88	22	36	BDL
17.08.2020	7.39	26	28	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
03.08.2020	34	11.4
18.08.2020	30	10.2
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS	100	30


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: UUON1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	NOISE LEVEL IN dB(A)
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug-20	08.08.2020	66.4	64.9
Aug-20	18.08.2020	65.3	64.8
NOISE POLLUTION (REGULATION AND		75	70

COLONY: UUON2			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	NOISE LEVEL IN dB(A)
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
Aug-20	08.08.2020	43.1	41.4
Aug-20	18.08.2020	42.3	41.7
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 AREA

GHUGUS OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/ 36	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
7.8.2020	8.8.2020	268	180	62	18	16	CLOUDY, CALM
21.08.2020	22.08.2020	250	168	58	16	14	CLOUDY , MODERATE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

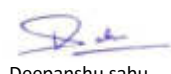
SAM OFFICE: WGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
6.8.2020	7.8.2020	254	158	60	16	14	CLOUDY, LIGHT BREEZE
20.08.2020	21.08.2020	148	98	35	14	12	RAINY SKY, LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

RAM NAGAR COLONY: WGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
6.8.2020	7.8.2020	112	78	26	12	BDL	CLOUDY, LIGHT BREEZE
20.08.2020	21.08.2020	80	56	20	10	BDL	RAINY SKY, LIGHT BREEZE
NAAQS, 2009		-	100	60	80	80	

GHUGUS VILLAGE(GP OFFICE): WGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
7.8.2020	8.8.2020	108	72	28	10	BDL	CLOUDY CALM
20.08.2020	21.08.2020	100	66	24	12	BDL	RAINY SKY, LIGHT BREEZE
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

CHP: WGON1		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST	06.08.2020	63.9
AUGUST	20.08.2020	64.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY(GHUGUS): WGON2		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST	06.08.2020	43.9
AUGUST	20.08.2020	44.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

The information given in this report is not to be
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 AREA

KOLGAON OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/37	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	KOLGAON OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE: WKOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
5	5	2	6	10			
9.8.2020	10.8.2020	242	168	60	16	12	RAINY SKY, MODERATE
23.08.2020	24.08.2020	268	176	62	18	14	CLOUDY, CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE: WMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
5	5	2	6	10			
9/8/2020	10/8/2020	152	106	48	16	14	Rainy sky, Moderate
23/08/2020	24/08/2020	210	148	60	18	12	cloudy, Moderate
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KOLGAON VILLAGE: WKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
5	5	2	6	10			
9.8.2020	10.8.2020	106	90	36	12	BDL	RAINY SKY, MODERATE
23.08.2020	24.08.2020	126	94	38	14	BDL	CLOUDY, CALM
NAAQS, 2009		-	100	60	80	80	

KAILASHNAGAR TOWNSHIP-FILTER PLANT: WMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
5	5	2	6	10			
8.8.2020	9.08.2020	92	68	26	14	BDL	RAINY SKY, WINDY
22.08.2020	23.08.2020	110	76	32	16	BDL	CLOUDY 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: 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
9/8/2020	7.4	22	28	BDL
23/8/2020	5.14	18	12	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE: WKOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08.08.2020	7.65	24	36	BDL
22.08.2020	7.28	22	32	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

MANAGER OFFICE:		WKON1
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
AUGUST	09.08.2020	55.8
AUGUST	23.08.2020	55.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY(MUNGOLI):		WKON2
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
AUGUST	08.08.2020	43.8
AUGUST	22.08.2020	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

The information given in this report is not to be
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 AREA

MUGOLI OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/38	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	MUGOLI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SUBSTATION: WMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
8/8/2020	9/8/2020	208	124	56	16	12	Rainy sky Windy
22/08/2020	23/08/2020	268	166	66	18	14	Cloudy calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE: WMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
9/8/2020	10/8/2020	152	106	48	16	14	Rainy sky, Moderate
23/08/2020	24/08/2020	210	148	60	18	12	Cloudy, Moderate
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

KAILASHNAGAR TOWNSHIP FILTER PLANT: WMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
8/8/2020	9/8/2020	92	68	26	14	BDL	RAINY SKY/WINDY
22/08/2020	23/08/2020	110	76	32	16	BDL	CLOUDY/CALM
NAAQS, 2009		-	100	60	80	80	

TUBEWELLNEAR SAKHARI VILLAGE: WMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
9/8/2020	10/8/2020	96	76	28	12	BDL	RAINY SKY/MODERATE
22/08/2020	23/08/2020	116	84	36	10	BDL	CLOUDY/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)
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
8/8/2020	7.31	26	40	BDL
22/08/2020	7.32	28	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WMOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
8/8/2020	7.65	24	36	BDL
22/08/2020	7.28	22	32	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

CHP: WMON1		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)
	DETECTION LIMIT	DAY TIME
AUGUST	08.08.2020	64.6
AUGUST	22.08.2020	64.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY(MUNGOLI): WMON2		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)
	DETECTION LIMIT	DAY TIME
AUGUST	08.08.2020	43.8
AUGUST	22.08.2020	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

The information given in this report is not to be
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 AREA

NAIGAON OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/39	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
6.8.2020	7.8.2020	248	156	60	18	16	CLOUDY,LIGHT BREEZE
19.08.2020	20.08.2020	148	100	48	16	12	RAINY SKY, MODERATE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

WORKSHOP ETP NOCM-1: 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
05.08.2020	06.08.2020	216	128	56	16	14	CLOUDY, MODERATE
19.08.2020	20.08.2020	144	102	50	14	12	RAINY, MODERATE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

BELORA REHABILITATION VILLAGE: WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
5.8.2020	6.8.2020	110	88	38	14	12	CLOUDY MODERATE
19.08.2020	20.08.2020	92	66	60	12	BDL	RAINY SKY,MODERATE
NAAQS, 2009		-	100	60	80	80	

FILTER PLANT NEAR VIP GUEST HOUSE: WNGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
		5	5	2	6	10	
6.8.2020	7.8.2020	116	92	40	16	14	CLOUDY, LIGHT BREEZE
20.08.2020	21.08.2020	88	60	28	12	BDL	RAINY SKY,LIGHT BREEZE
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.

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance
SAMPLE DESCRIPTION	Air sample(Fugitive)
SAMPLING METHOD : LSOP 4	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE: WNOF1			ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PARAMETERS (24 hourly values in µg/m ³)			
		SPM	PM ₁₀	PM _{2.5}	
05.08.2020	06.08.2020	5	5	2	Cloudy Moderate
		220	148	60	



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: WNGON1		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
AUGUST	05.08.2020	63.7
AUGUST	19.08.2020	63.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY(GHUGUS): WGON2		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
AUGUST	06.08.2020	43.9
AUGUST	20.08.2020	44.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

The information given in this report is not to be
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 AREA

NILJAI DEEP OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/40	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	WANI	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NILJAI DEEP		
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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
5/8/2020	6/8/2020	198	118	50	14	12	cloudy, moderate
19/08/2020	20/08/2020	134	98	40	12	BDL	Rainy sky, Moderate
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

WORKSHOP ETP NOCM: WNOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
5/8/2020	6/8/2020	216	128	56	16	14	CLOUDY, MODERATE
19/08/2020	20/08/2020	144	102	50	14	12	RAINY SKY, MODERATE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NILJAI COLONY: WNOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
4/8/2020	5/8/2020	110	82	36	12	BDL	CLOUDY, CLAM
17/08/2020	18/08/2020	82	56	28	10	BDL	RAINY SKY, CALM
NAAQS, 2009		-	100	60	80	80	

TARODA VILLAGE: WNOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
4/8/2020	5/8/2020	88	56	26	10	BDL	CLOUDY, CLAM
17/08/2020	18/08/2020	82	50	24	12	BDL	RAINY 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)
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
5/8/2020	6.13	40	60	BDL
17/8/2020	7.82	38	56	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
5/8/2020	7.63	28	40	BDL
17/08/2020	7.87	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)T.WATER: WNOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
6/8/2020	32	10
17/08/2020	36	12
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS	100	30



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-NILJAI WNON1		
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)
	COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST	04.08.2020	63.7
AUGUST	17/08/2020	64.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

CHP-NILJAI(S) WNON2		
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)
	COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST	04.08.2020	64.9
AUGUST	17.08.2020	63.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY(NILJAI) WNON3		
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)
	COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST	04.08.2020	44.5
AUGUST	17.08.2020	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be
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 AREA

PENGANGA OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/41	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
7/8/2020	8/8/2020	260	176	64	18	14	CLOUDY,CALM
21/08/2020	22/08/2020	254	162	58	16	12	CLOUDY MODERATE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
7/8/2020	8/8/2020	252	170	60	16	12	CLOUDY CALM
21/08/2020	22/08/2020	236	144	52	14	BDL	CLOUDY MODERATE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
8/8/2020	9/8/2020	98	76	28	12	BDL	RAINY WINDY
21/08/2020	22/08/2020	110	82	32	14	BDL	CLOUDY , MODERATE
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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
8/8/2020	9/8/2020	92	70	26	10	BDL	RAINY SKY, WINDY
21/08/2020	22/08/2020	88	64	22	12	BDL	CLOUDY, 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)
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
7/8/2020	7.59	60	100	BDL
21/08/2020	7.32	38	68	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

WORKSHOP: WPON1		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
		DETECTION LIMIT
AUGUST	08.08.2020	56.9
AUGUST	21.08.2020	56.7
NOISE POLLUTION (REGULATION AND		75

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

The information given in this report is not to be
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 NORTH AREA

JUNAD OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7802
---	--------------------	--

TEST REPORT NO.	RIN/TR/AUGUST-20/42	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	JUNAD OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.08.2020	12.08.2020	188	124	60	18	14	Clear, light breeze
18.8.2020	19.8.2020	120	80	42	14	12	Rainy sky, light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.08.2020	12.08.2020	112	68	28	14	12	Clear, light breeze
18.8.2020	19.8.2020	88	54	22	10	BDL	Rainy sky, light breeze
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.08.2020	05.08.2020	130	80	50	14	12	Cloudy, clear
17.08.2020	18.08.2020	120	70	36	12	BDL	rainy sky, clear
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.08.2020	12.08.2020	110	74	36	14	BDL	Clear, light breeze
18.08.2020	19.08.2020	96	60	28	12	BDL	Rainy sky, clear
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: 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
11.08.2020	7.35	18	24	BDL
25.08.2020	7.13	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNJOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.08.2020	7.53	22	32	BDL
25.08.2020	7.38	18	28	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

MANAGER OFFICE: WNJON1		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	11.08.2020	53.4
AUGUST 2020	18.08.2020	56.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

BHALAR COLONY: WNJON2		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	11.08.2020	44.5
AUGUST 2020	17.8.2020	44.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

The information given in this report is not to be
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 NORTH AREA

GHONSA OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7802
---	--------------------	--

TEST REPORT NO.	RIN/TR/AUGUST-20/43	DATE OF ISSUE	30.9.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.08.2020	11.08.2020	158	112	58	18	16	Rainy, Moderate
24.08.2020	25.08.2020	226	148	64	16	14	cloudy, light
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE/CANTEEN: WNKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.08.2020	11.08.2020	150	100	56	16	12	RAINY MODERATE
24.8.2020	25.08.2020	210	136	60	14	BDL	CLOUDY LIGHT
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GHONSA VILLAGE: WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.08.2020	10.08.2020	90	54	26	10	BDL	Clear, Calm
23.08.2020	24.08.2020	96	64	30	12	BDL	cloudy, light
NAAQS, 2009		-	100	60	80	80	

GUEST HOUSE/COLONY: WNKUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.08.2020	10.08.2020	96	58	28	12	BDL	Rainy, Moderate
23.08.2020	24.08.2020	110	76	34	10	BDL	Clear, light
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)
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
10.08.2020	7.43	24	36	BDL
24.08.2020	7.29	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

MANAGER OFFICE: WNGON1		
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)
	COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST	10.08.2020	56.2
AUGUST	24.08.2020	55.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be
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 NORTH AREA

KOLARPIMPRI OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7802
---	--------------------	--

TEST REPORT NO.	RIN/TR/AUGUST-20/44	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	KOLARPIMPRI OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SUBSTATION KOLARPIMPRI: WNKO A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	144	96	48	16	BDL	Rainy,Moderate
25.08.2020	26.08.2020	198	144	60	18	14	Clear,Moderatae
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

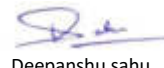
REST SHELTER: WNKO A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	156	106	54	14	12	Rainy,Moderate
25.08.2020	26.08.2020	210	128	60	16	14	Clear,Moderatae
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIMPRI VILLAGE: WNKO A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13.08.2020	14.08.2020	110	82	36	12	BDL	Rainy,Moderate
25.08.2020	26.08.2020	120	92	40	16	12	Clear,Moderatae
NAAQS, 2009		-	100	60	80	80	

WATER FILTER PLANT: WNPO A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	98	56	28	12	BDL	Rainy,Moderate
26.08.2020	27.08.2020	114	88	36	10	BDL	Clear,Moderatae
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)
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
04.08.2020	7.93	20	28	BDL
25.08.2020	7.72	30	44	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

CHP: WNKON1		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST	13.08.2020	61.3
AUGUST	25.08.2020	62.0
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY PRAGATI NAGAR: WNPON2		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST	12.08.2020	43.6
AUGUST	26.08.2020	44
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

The information given in this report is not to be
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 NORTH AREA

KUMBARKHANI OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/45	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	KUMBARKHANI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

PROJECT MANAGER OFFICE: WNKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.08.2020	11.08.2020	156	110	60	18	14	Rainy,Moderate
24.08.2020	25.08.2020	188	124	56	16	12	Clearly,light
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

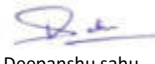
SAM OFFICE/CANTEEN: WNKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.08.2020	11.08.2020	150	100	56	16	12	Rainy,Moderate
24.08.2020	25.08.2020	210	136	60	14	BDL	Clearly,light
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GUEST HOUSE/COLONY: WNKUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10.08.2020	11.08.2020	96	58	28	12	BDL	Rainy,Moderate
24.08.2020	25.08.2020	110	76	34	10	BDL	Clearly,light
NAAQS, 2009		-	100	60	80	80	

GHONSA VILLAGE: WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.08.2020	10.08.2020	90	54	26	10	BDL	Clear,calm
23.08.2020	24.08.2020	96	64	30	12	BDL	Clear,Light
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: WNKUN1		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
AUGUST	10.08.2020	45.6
AUGUST	24/08/2020	44.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY: WNKUN2		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
AUGUST	10.08.2020	43.3
AUGUST	24.08.2020	44.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

The information given in this report is not to be
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 NORTH AREA

PIMPALGAON OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

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/AUGUST-20/46	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.08.2020	12.08.2020	5	5	2	6	10	Rainy, Moderate
18.08.2020	19.08.2020	188	116	56	16	12	Clear, Moderate
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	114	66	36	10	BDL	Rainy, Moderate
26.08.2020	27.08.2020	176	110	58	14	BDL	Clear, Moderate
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
12.08.2020	13.08.2020	98	56	28	12	BDL	Rainy, Moderate
26.08.2020	27.08.2020	114	88	36	10	BDL	Clear, Moderate
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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.08.2020	12.08.2020	112	68	28	14	12	Clear, Light breeze
18.08.2020	19.08.2020	88	54	22	10	BDL	Rainy sky, light breeze
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

CHP: WNPON1		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST	12.8.2020	59.7
AUGUST	26.08.2020	59.7
NOISE POLLUTION (REGULATION AND		75

COLONY PRAGATI NAGAR: WNPON2		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST	12.08.2020	43.6
AUGUST	26.08.2020	44.0
NOISE POLLUTION (REGULATION AND		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

The information given in this report is not to be
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 NORTH AREA

RAJUR UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7802
---	--------------------	--

TEST REPORT NO.	RIN/TR/AUGUST-20/47	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	RAJUR UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

NEAR BHANDEWADA INCLINE: WNRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.08.2020	10.08.2020	218	156	60	20	16	Clear,Calm
23.08.2020	24.08.2020	210	146	54	16	14	Cloudy,light
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE:: WNRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.08.2020	10.08.2020	224	164	58	18	16	Clear,Calm
23.08.2020	24.08.2020	198	138	50	14	12	Cloudy,light
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

PIT OFFICE/COLONY: WNRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08.08.2020	09.08.2020	228	160	62	16	12	Clear,Calm
22.08.2020	23.08.2020	198	148	56	14	BDL	Cloudy,light
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

HUTMENT: WNRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09.08.2020	10.08.2020	110	78	46	12	BDL	Clear,Calm
23.08.2020	24.08.2020	100	66	66	10	BDL	Cloudy,light
NAAQS, 2009		-	100	60	80	80	





Deepanshu sahu
Authorised Signatory

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.

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

MINE WATER DISCHARGE: WNRUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11.08.2020	8.02	26	40	BDL
23.08.2020	8.08	32	48	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: WNRUN1		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	09.08.2020	64.7
AUGUST 2020	23.08.20	63.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY RAJU WNRUN2		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	09.08.2020	44.2
AUGUST 2020	23.08.2020	43.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

The information given in this report is not to be
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 NORTH AREA

UKNI DEEP OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-7802
---	--------------------	--

TEST REPORT NO.	RIN/TR/AUGUST-2020/48	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.08.2020	05.08.2020	148	88	48	16	12	Cloudly, calm
17.08.2020	18.08.2020	132	72	35	18	BDL	Rainy sky, Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04.08.2020	05.08.2020	130	80	50	14	12	Cloudly, calm
17.08.2020	18.08.2020	120	70	36	12	BDL	Rainy sky, Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11.08.2020	12.08.2020	110	74	36	14	BDL	Clear, light breeze
18.08.2020	19.08.2020	96	60	28	12	BDL	Rainy Sky, Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13.08.2020	14.08.2020	110	82	36	12	BDL	Rainy, Moderate
25.08.2020	26.08.2020	120	92	40	16	12	Clear, Moderate
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)
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
04.08.2020	6.5	64	88	BDL
26.08.2020	6.9	58	80	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04.08.2020	7.75	20	28	BDL
25.08.2020	7.38	28	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP DISCHARGE: WNUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
4.08.2020	44	14
26.08.2020	34	10
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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: WNUON1
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	11.08.2020	60.3
AUGUST 2020	17.08.2020	64.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

		BHALAR COLONY: WNUON2
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	11.08.2020	44.5
AUGUST 2020	17.08.2020	44.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be
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 NORTH AREA

WANI RAILWAY SIDING

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/49	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	WANI NORTH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	WANI RAILWAY SIDING		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13.08.2020	14.08.2020	136	88	36	16	14	Rainy, Moderate
26.08.2020	27.08.2020	240	160	64	18	16	Clear, Moderate
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13.08.2020	14.08.2020	96	70	36	12	BDL	Rainy, Moderate
26.08.2020	27.08.2020	110	86	40	14	BDL	Clear, Moderate
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13.08.2020	14.08.2020	89	64	28	10	BDL	Rainy, Moderate
25.08.2020	26.08.2020	116	90	42	14	12	Clear, Moderate
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

COAL STOCK YARD: WNRS1		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	13.08.20	43.6
AUGUST 2020	26.08.2020	44.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

NEAR INCHARGE OFFICE: WNRS2		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
	DETECTION LIMIT	20
AUGUST 2020	13.08.2020	52.4
AUGUST 2020	26.08.2020	54.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

FOR COMPANY USE ONLY

The information given in this report is not to be 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 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

INDEX

Sl. No.	PARTICULARS	PAGE NO.
1	INTRODUCTION	1 to 3
2	AIR QUALITY MONITORING DATA	4
3	NOISE LEVEL DATA	5

INTRODUCTION

Ambara OC Project is located in Chhindwara district of Madhya Pradesh. The project is administered by Kanhan Area of Western Coalfields Limited. The climate of the area is tropical. Transportation roads, agricultural and local activities, vehicular traffic etc also contributes to the pollution.

Sampling Location:

Ambient Air Quality Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	MANAGER OFFICE :	KAOA1
2	PIT OFFICE- MOHAN:	KAOA2
3	COLONY- HEALTH CENTRE:	KAOA3
4	AMBARA VILLAGE:	KAOA4

Fugitive Dust Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	CHP:	KAOF1

Noise Level Monitoring location :

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	MANAGER OFFICE:	KAON1
2	COLONY (MOHAN/MAORI):	KAON2

Frequency of Monitoring:

AIR: Frequency of monitoring is as per the Env. (Protection) Amendment Rules published vide Gazette dt. 25.9.2000.

WATER: Water quality is monitored on fortnightly basis

NOISE: Noise level is monitored on fortnightly basis.

Test Report
Air quality monitoring data

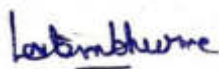
TEST REPORT NO.	RIN/TR/JUNE-20/A74	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NOx: IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD	:LSOP 4
NAME OF PROJECT	AMBARA OC	SAMPLING PLAN	: LQR 47

MANAGER OFFICE : KAOA1					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
12-06-20	109	69	33	12	<10
26-06-20	90	58	24	10	<10
TLV	600	300	60	120	120

PIT OFFICE- MOHAN: KAOA2					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
12-06-20	96	70	30	15	11
26-06-20	74	56	23	11	<10
TLV	600	300	60	120	120

COLONY- HEALTH CENTRE: KAOA3					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
11-06-20	99	63	29	13	<10
26-06-20	83	69	22	11	<10
TLV	200	100	60	80	80

AMBARA VILLAGE: KAOA4					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
12-06-20	102	72	32	14	<10
27-06-20	85	60	22	9	<10
TLV	200	100	60	80	80



SCIENTIFIC ASSISTANT



DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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

NOISE LEVEL DATA

NAME OF AREA: KANHAN AREA
NAME OF PROJECT: AMBARA OC

YEAR: 2020
MONTH: JUNE

MANAGER OFFICE: KAON1		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	12-06-20	49.6
JUNE 2020	25-06-20	49.8
TLV		75

COLONY (MOHAN/MAORI): KAON2		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	10-06-20	46.2
JUNE 2020	26-06-20	46.5
TLV		55

FOR COMPANY USE ONLY
The information given in this report is not to be 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 UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



JUNE - 2020



Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY



INDEX

Sl. No.	PARTICULARS	PAGE NO.
1	INTRODUCTION	1 to 3
2	AIR QUALITY MONITORING DATA	4
3	NOISE LEVEL DATA	5

INTRODUCTION

Ambara UG is located in Chhindwara district of Madhya Pradesh. The project is administered by Kanhan Area of Western Coalfields Limited. The climate of the area is tropical. Transportation roads, agricultural and local activities, vehicular traffic etc also contributes to the pollution.

Sampling Location:

Ambient Air Quality Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	SAM OFFICE- AMBARA :	KAUA1
2	PIT OFFICE- MOHAN:	KAUA2
3	COLONY- HEALTH CENTRE:	KAUA3
4	AMBARA VILLAGE:	KAUA4

Noise Level Monitoring location :

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	COLONY(MOHAN/MAORI)	KAUN1

Frequency of Monitoring:

- AIR:** Frequency of monitoring is as per the Env. (Protection) Amendment Rules published vide Gazette dt. 25.9.2000.
- WATER:** Water quality is monitored on fortnightly basis
- NOISE:** Noise level is monitored on fortnightly basis.

Test Report

Air quality monitoring data

TEST REPORT NO.	RIN/TR/JUNE-20/A72	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NOx: IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD	LSOP 4
NAME OF PROJECT	AMBARA UG	SAMPLING PLAN	LQR 47


SAM OFFICE- AMBARA : KAUA1					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
11-06-20	99	74	35	13	<10
26-06-20	81	6	27	12	<10
TLV	600	300	60	120	120

PIT OFFICE- MOHAN: KAUA2					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
12-06-20	96	70	30	15	11
26-06-20	74	56	23	11	<10
TLV	600	300	60	120	120

COLONY- HEALTH CENTRE: KAUA3					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
11-06-20	99	63	29	13	<10
26-06-20	83	69	22	11	<10
TLV	200	100	60	80	80

AMBARA VILLAGE: KAUA4					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
12-06-20	102	72	32	14	<10
27-06-20	85	60	22	9	<10
TLV	200	100	60	80	80


 SCIENTIFIC ASSISTANT


 DEEPANSHU SAHU
 AUTHORIZED SIGNATORY

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

NOISE LEVEL DATA

NAME OF AREA: KANHAN AREA
NAME OF PROJECT: AMBARA UG

YEAR: 2020
MONTH: JUNE

COLONY(MOHAN/MAORI) KAUN1		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	10-06-20	46.2
JUNE 2020	26-06-20	46.5
TLV		55

FOR COMPANY USE ONLY

The information given in this report is not to be 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 -2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

INDEX

Sl. No.	PARTICULARS	PAGE NO.
1	INTRODUCTION	1 to 3
2	AIR QUALITY MONITORING DATA	4
4	NOISE LEVEL DATA	5

INTRODUCTION

Area Workshop is located in Chhindwara district of Madhya Pradesh state. The project is administered by Kanhan Area of Western Coalfields Limite. The climate of the area is tropical Transportation roads, agricultural and local activities vehicular traffic etc also contributes to the pollution.

Sampling Location:

Ambient Air Quality Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	AREA WORKSHOP :	KAWA1

Noise Level Monitoring location :

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	WORKSHOP PREMISES:	KAWN1

Frequency of Monitoring:

AIR: Frequency of monitoring is as per the Env. (Protection) Amendment Rules published vide Gazette dt. 25.9.2000.

WATER: Water quality is monitored on fortnightly basis

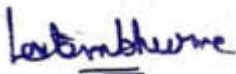
NOISE: Noise level is monitored on fortnightly basis.

Test Report

Air quality monitoring data

TSET REPORT NO.	RIN/TR/JUNE-20/A80	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NOx: IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD : LSOP 4	
NAME OF PROJECT	AREA WORKSHOP	SAMPLING PLAN : LQR 47	

AREA WORKSHOP : KAWA1					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
12-06-20	84	77	32	16	10
27-06-20	69	48	26	14	<10
TLV	600	300	60	120	120



SCIENTIFIC ASSISTANT



DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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

NOISE LEVEL DATA

NAME OF AREA: KANHAN AREA **YEAR: 2020**
NAME OF PROJECT: AREA WORKSHOP **MONTH: JUNE**

WORKSHOP PREMISES: KAWN1		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	11-06-20	51.9
JUNE 2020	25-06-20	56.3
TLV		75

FOR COMPANY USE ONLY

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

ENVIRONMENTAL MONITORING REPORT

DAMUA OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



JUNE - 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

INDEX

Sl. No.	PARTICULARS	PAGE NO.
1	INTRODUCTION	1 to 3
2	AIR QUALITY MONITORING DATA	4
3	NOISE LEVEL DATA	5

INTRODUCTION

Damua OC Project is located in Chhindwara district of Madhya Pradesh. The project is administered by Kanhan Area of Western Coalfields Limited. Drainage of the area is mainly controlled by Kanhan river and Bhor nalla (a tributary of Kanhan river).The climate of the area is tropical.Transportation roads, agricultural and local activities ,vehicular traffic etc also contributes to the pollution.

Sampling Location:

Ambient Air Quality Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	OC OFFICE :	KDOA1
2	SAM OFFICE- DAMUA:	KDOA2
3	RESCUE STATION (NEAR INCLINE 24&25):	KDOA3
4	NANDORA VILLAGE:	KDOA4

Noise Level Monitoring location :

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	NEAR MANAGER OFFICE:	KDON1

Frequency of Monitoring:

AIR: Frequency of monitoring is as per the Env. (Protection) Amendment Rules published vide Gazette dt. 25.9.2000.

WATER: Water quality is monitored on fortnightly basis

NOISE: Noise level is monitored on fortnightly basis.

Test Report

Air quality monitoring data

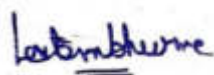
TEST REPORT NO.	RIN/TR/JUNE-20/A78	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NOx: IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD :	LSOP 4
NAME OF PROJECT	DAMUA OC	SAMPLING PLAN :	LQR 47

OC OFFICE : KDOA1					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
15-06-20	84	57	34	18	10
17-06-20	74	62	28	15	10
TLV	600	300	60	120	120

SAM OFFICE- DAMUA: KDOA2					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
15-06-20	88	59	23	8	<10
18-06-20	72	44	17	9	<10
TLV	600	300	60	120	120

RESCUE STATION (NEAR INCLINE 24&25): KDOA3					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
15-06-20	105	74	39	12	<10
17-06-20	83	60	29	14	<10
TLV	600	300	60	120	120

NANDORA VILLAGE: KDOA4					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
15-06-20	71	39	20	10	<10
18-06-20	79	52	23	16	10
TLV	200	100	60	80	80



SCIENTIFIC ASSISTANT



DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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

NOISE LEVEL DATA

NAME OF AREA: KANHAN AREA
NAME OF PROJECT: DAMUA OC

YEAR: 2020
MONTH: JUNE

NEAR MANAGER OFFICE: KDON1		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	15-06-20	43.9
JUNE 2020	17-06-20	44.5
TLV		75

FOR COMPANY USE ONLY

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

ENVIRONMENTAL MONITORING REPORT

DAMUA UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



JUNE - 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

INDEX

Sl. No.	PARTICULARS	PAGE NO.
1	INTRODUCTION	1 to 3
2	AIR QUALITY MONITORING DATA	4
4	NOISE LEVEL DATA	5

INTRODUCTION

Damua UG is located in Chhindwara district of Madhya Pradesh. The project is administered by Kanhan Area of Western Coalfields Limited. Drainage of the area is mainly controlled by Kanhan river and Bhor nalla (a tributary of Kanhan river). The climate of the area is tropical. Transportation roads, agricultural and local activities ,vehicular traffic etc also contributes to the pollution.

Sampling Location:

Ambient Air Quality Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	SAM OFFICE- DAMUA:	KDUA1
2	RESCUE STATION (NEAR INCLINE 24&25):	KDUA2
3	NANDORA VILLAGE:	KDUA3

Noise Level Monitoring location :

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	COLONY:	KDUN1

Frequency of Monitoring:

AIR: Frequency of monitoring is as per the Env. (Protection) Amendment Rules published vide Gazette dt. 25.9.2000.

WATER: Water quality is monitored on fortnightly basis

NOISE: Noise level is monitored on fortnightly basis.

Test Report
Air quality monitoring data

TSET REPORT NO.	RIN/TR/JUNE-20/A77	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NOx: IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD :	LSOP 4
NAME OF PROJECT	DAMUA UG	SAMPLING PLAN :	LQR 47

SAM OFFICE- DAMUA: KDUA1					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM*	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
15-06-20	88	59	23	8	<10
18-06-20	72	44	17	9	<10
TLV	600	300	60	120	120

RESCUE STATION (NEAR INCLINE 24&25): KDUA2					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM*	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
15-06-20	105	74	39	12	<10
17-06-20	83	60	29	14	<10
TLV	600	300	60	120	120

NANDORA VILLAGE: KDUA3					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM*	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
15-06-20	71	39	20	10	<10
18-06-20	79	52	23	16	10
TLV	200	100	60	80	80

Lestambhurne

SCIENTIFIC ASSISTANT

Deepanshu Sahu

DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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

NOISE LEVEL DATA

NAME OF AREA: KANHAN AREA
NAME OF PROJECT: DAMUA UG

YEAR: 2020
MONTH: JUNE

COLONY: KDUN1		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	14-06-20	44.4
JUNE 2020	16-06-20	44.1
TLV		75

FOR COMPANY USE ONLY

The information given in this report is not to be 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 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

INDEX

Sl. No.	PARTICULARS	PAGE NO.
1	INTRODUCTION	1 to 3
2	AIR QUALITY MONITORING DATA	4
3	NOISE LEVEL DATA	5

INTRODUCTION

Ghorawadi OC Project is located in Chhindwara district of Madhya Pradesh state. The project is administered by Kanhan Area of Western Coalfields Limited. The climate of the area is tropical.

Sampling Location:

Ambient Air Quality Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	MANAGER OFFICE-OC :	KGOA1
2	SAM - OFFICE GHORAWARI :	KGOA2
3	COLONY- HEALTH CENTRE JHARNA:	KGOA3
4	PANARA VILLAGE:	KGOA4

Fugitive Dust Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	WEIGHT BRIDGE :	KGOF1

Noise Level Monitoring location :

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	MANAGER OFFICE:	KGON1
2	COLONY (JHARNA UG)	KGON2

Frequency of Monitoring:

AIR: Frequency of monitoring is as per the Env. (Protection) Amendment Rules published vide Gazette dt. 25.9.2000.

WATER: Water quality is monitored on fortnightly basis

NOISE: Noise level is monitored on fortnightly basis.

Test Report

Air quality monitoring data

TEST REPORT NO.	RIN/TR/JUNE-20/A76	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NOx: IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD	LSOP 4
NAME OF PROJECT	GHORAWARI OC	SAMPLING PLAN	LQR 47

MANAGER OFFICE-OC : KGOA1					
DATE OF SAMPLING	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
13-06-20	82	62	27	11	<10
27-06-20	76	59	21	13	10
TLV	600	300	60	120	120

SAM - OFFICE GHORAWARI : KGOA2					
DATE OF SAMPLING	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
13-06-20	82	55	26	13	<10
17-06-20	87	61	20	14	<10
TLV	600	300	60	120	120

COLONY- HEALTH CENTRE JHARNA: KGOA3					
DATE OF SAMPLING	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
13-06-20	70	42	19	8	<10
27-06-20	61	49	17	11	10
TLV	200	100	60	80	80

PANARA VILLAGE: KGOA4					
DATE OF SAMPLING	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
13-06-20	73	47	21	10	<10
27-06-20	67	53	23	10	<10
TLV	200	100	60	80	80



SCIENTIFIC ASSISTANT


DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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

NOISE LEVEL DATA

NAME OF AREA: KANHAN AREA
NAME OF PROJECT: GHORAWARI OC

YEAR: 2020
MONTH: JUNE

MANAGER OFFICE: KGON1		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	15-06-20	52.2
JUNE 2020	26-06-20	52.8
TLV		75

COLONY (JHARNA UG) KGON2		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	12-06-20	46.8
JUNE 2020	17-06-20	42.2
TLV		55

FOR COMPANY USE ONLY
The information given in this report is not to be 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 - UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



JUNE 2020



Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY



INDEX

Sl. No.	PARTICULARS	PAGE NO.
1	INTRODUCTION	1 to 3
2	AIR QUALITY MONITORING DATA	4
4	NOISE LEVEL DATA	5

INTRODUCTION

Jharna / Ghorawadi UG Project is located in Chhindwara district of Madhya Pradesh state. The project is administered by Kanhan Area of Western Coalfields Limited. The climate of the area is tropical. Transportation roads, agricultural and local activities, vehicular traffic etc also contributes to the pollution.

Sampling Location:

Ambient Air Quality Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	MANAGER OFFICE- JHARNA UG :	KJUA1
2	SAM OFFICE- GHORAWARI:	KJUA2
3	COLONY- HEALTH CENTRE JHARNA:	KJUA3
4	PANARA VILLAGE:	KJUA4

Noise Level Monitoring location :

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	FAN HOUSE:	KJUN1
2	COLONY:	KJUN2

Frequency of Monitoring:

AIR: Frequency of monitoring is as per the Env. (Protection) Amendment Rules published vide Gazette dt. 25.9.2000.

WATER: Water quality is monitored on fortnightly basis

NOISE: Noise level is monitored on fortnightly basis.

Test Report

Air quality monitoring data

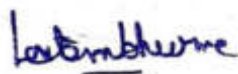
TSET REPORT NO.	RIN/TR/JUNE-20/A75	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NOx: IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD : LSOP 4	
NAME OF PROJECT	JHARNA - UG	SAMPLING PLAN : LQR 47	

MANAGER OFFICE- JHARNA UG : KJUA1					
DATE OF SAMPLING	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
15-06-20	73	48	29	14	<10
17-06-20	66	40	22	17	10
TLV	600	300	60	120	120

SAM OFFICE- GHORAWARI: KJUA2					
DATE OF SAMPLING	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
13-06-20	82	55	26	13	<10
17-06-20	87	61	20	14	<10
TLV	600	300	60	120	120

COLONY- HEALTH CENTRE JHARNA: KJUA3					
DATE OF SAMPLING	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
13-06-20	70	42	19	8	<10
27-06-20	61	49	17	11	10
TLV	200	100	60	80	80

PANARA VILLAGE: KJUA4					
DATE OF SAMPLING	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
13-06-20	73	47	21	10	<10
27-06-20	67	53	23	10	<10
TLV	200	100	60	80	80



SCIENTIFIC ASSISTANT



DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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

NOISE LEVEL DATA

NAME OF AREA: KANHAN AREA
NAME OF PROJECT: JHARNA - UG

YEAR: 2020
MONTH: JUNE

FAN HOUSE: KJUN1		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	15-06-20	68.7
JUNE 2020	17-06-20	69.7
TLV		75

COLONY: KJUN2		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	12-06-20	46.8
JUNE 2020	17-06-20	42.2
TLV		55

FOR COMPANY USE ONLY

The information given in this report is not to be 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 - 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

INDEX

Sl. No.	PARTICULARS	PAGE NO.
1	INTRODUCTION	1 to 3
2	AIR QUALITY MONITORING DATA	4
3	WATER QUALITY MONITORING DATA	5
4	NOISE LEVEL DATA	6

INTRODUCTION

Mohan / Maori UG is located in Chhindwara district of Madhya Pradesh. The project is administered by Kanhan Area of Western Coalfields Limited. The climate of the area is tropical. Transportation roads, agricultural and local activities, vehicular traffic etc also contributes to the pollution.

Sampling Location:

Ambient Air Quality Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	SAM OFFICE- AMBARA :	KMUA1
2	PIT OFFICE- MOHAN:	KMUA2
3	COLONY- HEALTH CENTRE:	KMUA3
4	AMBARA VILLAGE:	KMUA4

Water Quality Monitoring location:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	MINE DISCHARGE:	KMUW1

Noise Level Monitoring location :

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	FAN HOUSE:	KMUN1
2	COLONY:	KMUN2

Frequency of Monitoring:

AIR: Frequency of monitoring is as per the Env. (Protection) Amendment Rules published vide Gazette dt. 25.9.2000.

WATER: Water quality is monitored on fortnightly basis

NOISE: Noise level is monitored on fortnightly basis.

Test Report

Air quality monitoring data

TSET REPORT NO.	RIN/TR/JUNE-20/A73	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/Env/14-I/588-615 dated 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NOx: IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD : LSOP 4	
NAME OF PROJECT	MOHAN/ MAORI UG	SAMPLING PLAN : LQR 47	


SAM OFFICE- AMBARA : KMUA1					
DATE OF SAMPLING	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
11-06-20	99	74	35	13	<10
26-06-20	81	66	27	12	<10
TLV	600	300	60	120	120

PIT OFFICE- MOHAN: KMUA2					
DATE OF SAMPLING	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
12-06-20	96	70	30	15	11
26-06-20	74	56	23	11	<10
TLV	600	300	60	120	120

COLONY- HEALTH CENTRE: KMUA3					
DATE OF SAMPLING	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
11-06-20	99	63	29	13	<10
26-06-20	83	69	22	11	<10
TLV	200	100	60	80	80

AMBARA VILLAGE: KMUA4					
DATE OF SAMPLING	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
12-06-20	102	72	32	14	<10
27-06-20	85	60	22	9	<10
TLV	200	100	60	80	80


SCIENTIFIC ASSISTANT


DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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

Test Report

Effluent water quality monitoring data

TSET REPORT NO.	RIN/TR/JUNE-20/W73	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/Env/14-I/588-615 dated 15.06.20		
TEST REQUIRED	IS 3025 -Part 11:1983(RA 2017), IS 3025-Part 17:1984(RA 2017), APHA (23rd Edition) 5220 C :2017 & IS 3025-Part 39:1991(RA 2019)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD : LSOP 5	
NAME OF PROJECT	MOHAN/ MAORI UG	SAMPLING PLAN : LQR 47	

MINE DISCHARGE: KMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	0.2	10	4	2
10-06-20	6.30	54	32	<2
26-06-20	6.11	32	28	<2
TLV	5.5 - 9.0	100	250	10



SCIENTIFIC ASSISTANT


DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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

FOR COMPANY USE ONLY

The information given in this report is not to be 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 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

INDEX

Sl. No.	PARTICULARS	PAGE NO.
1	INTRODUCTION	1 to 3
2	AIR QUALITY MONITORING DATA	4
3	WATER QUALITY MONITORING DATA	5
4	NOISE LEVEL DATA	6

INTRODUCTION

Nandan UG Project is located in Chhindwara district of Madhya Pradesh state. The project is administered by Kanhan Area of Western Coalfields Limited. The climate of the area is tropical. Transportation roads, agricultural and local activities, vehicular traffic etc also contributes to the pollution.

Sampling Location:

Ambient Air Quality Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	SAM OFFICE- NANDAN I UG:	KNUA1
2	PIT OFFICE- NANDAN II UG:	KNUA2
3	HEALTH CENTRE- NANDAN UG:	KNUA3
4	NANDAN WATER FILTER PLANT:	KNUA4

Water Quality Monitoring location:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	MINE DISCHARGE:	KNUW1

Noise Level Monitoring location :

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	FAN HOUSE UG II:	KNUN1
2	COLONY:	KNUN2

Frequency of Monitoring:

AIR: Frequency of monitoring is as per the Env. (Protection) Amendment Rules published vide Gazette dt. 25.9.2000.

WATER: Water quality is monitored on fortnightly basis

NOISE: Noise level is monitored on fortnightly basis.

<h2 style="margin: 0;">Test Report</h2> <h3 style="margin: 0;">Air quality monitoring data</h3>

TEST REPORT NO.	RIN/TR/JUNE-20/A71	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NOx: IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD	LSOP 4
NAME OF PROJECT	NANDAN UG	SAMPLING PLAN	LQR 47

SAM OFFICE- NANDAN I UG: KNUA1					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
15-06-20	82	60	27	9	<10
18-06-20	71	51	31	8	<10
TLV	600	300	60	120	120

PIT OFFICE- NANDAN II UG: KNUA2					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
15-06-20	90	58	24	9	<10
18-06-20	83	54	32	10	<10
TLV	600	300	60	120	120

HEALTH CENTRE- NANDAN UG: KNUA3					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
14-06-20	74	55	26	10	<10
19-06-20	63	42	20	11	<10
TLV	200	100	60	80	80

NANDAN WATER FILTER PLANT: KNUA4					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
14-06-20	81	53	30	14	<10
19-06-20	74	49	21	18	<10
TLV	200	100	60	80	80



SCIENTIFIC ASSISTANT



DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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

Test Report
Effluent water quality monitoring data

TEST REPORT NO.	RIN/TR/JUNE-20/W71	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	IS 3025 -Part 11:1983(RA 2017), IS 3025-Part 17:1984(RA 2017), APHA (23rd Edition) 5220 C :2017 & IS 3025-Part 39:1991(RA 2019)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD : LSOP 5	
NAME OF PROJECT	NANDAN UG	SAMPLING PLAN : LQR 47	

MINE DISCHARGE: KNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	0.2	10	4	2
13-06-20	7.52	28	32	<2
18-06-20	7.16	22	36	<2
TLV	5.5 - 9.0	100	250	10


SCIENTIFIC ASSISTANT


DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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

NOISE LEVEL DATA

NAME OF AREA: KANHAN AREA
NAME OF PROJECT: NANDAN UG

YEAR: 2020
MONTH: JUNE

FAN HOUSE UG II: KNUN1		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	13-06-20	60.2
JUNE 2020	18-06-20	61.4
TLV		75

COLONY: KNUN2		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	14-06-20	45.1
JUNE 2020	16-06-20	45.6
TLV		55

FOR COMPANY USE ONLY

The information given in this report is not to be 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 WASHERY

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



JUNE 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

INDEX

Sl. No.	PARTICULARS	PAGE NO.
1	INTRODUCTION	1 to 3
2	AIR QUALITY MONITORING DATA	4
4	NOISE LEVEL DATA	5

INTRODUCTION

Nandan Washery is located in Chhindwara district of Madhya Pradesh state. The project is administered by Kanhan Area of Western Coalfields Limited. The climate of the area is tropical. Transportation roads, agricultural and local activities, vehicular traffic etc also contributes to the pollution.

Sampling Location:

Ambient Air Quality Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	SUBSTATION :	KNWA1
2	SAM OFFICE- NANDAN I UG:	KNWA2
3	COLONY-GUEST HOUSE:	KNWA3
4	NANDAN WATER FILTER PLANT:	KNWA4

Noise Level Monitoring location :

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	WASHERY:	KNWN1
2	COLONY:	KNWN2

Frequency of Monitoring:

AIR: Frequency of monitoring is as per the Env. (Protection) Amendment Rules published vide Gazette dt. 25.9.2000.

WATER: Water quality is monitored on fortnightly basis

NOISE: Noise level is monitored on fortnightly basis.

Test Report

Air quality monitoring data

TSET REPORT NO.	RIN/TR/JUNE-20/A70	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NOx: IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD :	LSOP 4
NAME OF PROJECT	NANDAN WASHERY	SAMPLING PLAN :	LQR 47

SUBSTATION : KNWA1					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
14-06-20	85	56	32	10	<10
19-06-20	90	61	29	9	<10
TLV	600	300	60	120	120

SAM OFFICE- NANDAN I UG: KNWA2					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
15-06-20	82	60	27	9	<10
18-06-20	71	51	31	8	<10
TLV	600	300	60	120	120

COLONY-GUEST HOUSE: KNWA3					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
14-06-20	66	42	29	11	<10
19-06-20	72	47	22	16	<10
TLV	200	100	60	80	80

NANDAN WATER FILTER PLANT: KNWA4					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
14-06-20	81	53	30	14	<10
19-06-20	74	49	21	18	<10
TLV	200	100	60	80	80

lastambhurne

SCIENTIFIC ASSISTANT

Dee

DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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

NOISE LEVEL DATA

NAME OF AREA: KANHAN AREA **YEAR: 2020**
NAME OF PROJECT: NANDAN WASHERY **MONTH: JUNE**

WASHERY: KNWN1		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	13-06-20	45.5
JUNE 2020	18-06-20	45.7
TLV		75

COLONY: KNWN2		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	13-06-20	44.3
JUNE 2020	18-06-20	43.9
TLV		55

FOR COMPANY USE ONLY

The information given in this report is not to be 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-2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

INDEX

Sl. No.	PARTICULARS	PAGE NO.
1	INTRODUCTION	1 to 3
2	AIR QUALITY MONITORING DATA	4
3	WATER QUALITY MONITORING DATA	5
4	NOISE LEVEL DATA	6

INTRODUCTION

Tandsi UG is located in Chhindwara district of Madhya Pradesh state. The project is administered by Kanhan Area of Western Coalfields Limited. The climate of the area is tropical. Transportation roads, agricultural and local activities, vehicular traffic etc also contributes to the pollution

Sampling Location:

Ambient Air Quality Monitoring locations:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	WORKSHOP :	KTUA1
2	LAMP ROOM:	KTUA2
3	COLONY-NEAR HEALTH CENTRE:	KTUA3
4	JET HOSTEL:	KTUA4

Water Quality Monitoring location:

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	MINE DISCHARGE:	KTUW1

Noise Level Monitoring location :

SL. NO.	LOCATION DETAIL	LOCATION CODE
1	FAN HOUSE:	KTUN1
2	COLONY:	KTUN2

Frequency of Monitoring:

AIR: Frequency of monitoring is as per the Env. (Protection) Amendment Rules published vide Gazette dt. 25.9.2000.

WATER: Water quality is monitored on fortnightly basis

NOISE: Noise level is monitored on fortnightly basis.

Test Report

Air quality monitoring data

TSET REPORT NO.	RIN/TR/JUNE-20/A79	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-1/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NOx: IS 5182 Part-06:2006(2017), SO ₂ :IS 5182 Part-2:2001(RA 2017)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD :	LSOP 4
NAME OF PROJECT	TANDSI UG	SAMPLING PLAN :	LQR 47

WORKSHOP : KTUA1					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
13-06-20	104	69	27	15	11
20-06-20	96	52	22	13	<10
TLV	600	300	60	120	120

LAMP ROOM: KTUA2					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
13-06-20	72	49	19	9	<10
20-06-20	70	42	27	12	<10
TLV	600	300	60	120	120

COLONY-NEAR HEALTH CENTRE: KTUA3					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
13-06-20	92	44	21	16	<10
20-06-20	88	54	23	17	12
TLV	200	100	60	80	80

JET HOSTEL: KTUA4					
DATE OF SAMPLING	PARAMETERS (24 hourly values in µg/m ³)				
	SPM	PM ₁₀	PM _{2.5}	NO _x	SO ₂
DETECTION LIMIT	5	5	2	6	10
13-06-20	93	55	29	17	10
20-06-20	82	59	31	18	11
TLV	200	100	60	80	80



SCIENTIFIC ASSISTANT



DEEPANSHU SAHU
AUTHORIZED SIGNATORY


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

Test Report
Effluent water quality monitoring data

TSET REPORT NO.	RIN/TR/JUNE-20/W79	DATE OF ISSUE	31-07-20
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	WATER SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-1/588-615 DATED: 15.06.20		
TEST REQUIRED	IS 3025 -Part 11:1983(RA 2017), IS 3025-Part 17:1984(RA 2017), APHA (23rd Edition) 5220 C :2017 & IS 3025-Part 39:1991(RA 2019)		
NAME OF AREA	KANHAN AREA	SAMPLING METHOD : LSOP 5	
NAME OF PROJECT	TANDSI UG	SAMPLING PLAN : LQR 47	

MINE DISCHARGE: KTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	0.2	10	4	2
12-06-20	7.65	22	36	<2
19-06-20	7.70	20	32	<2
TLV	5.5 - 9.0	100	250	10


SCIENTIFIC ASSISTANT


DEEPANSHU SAHU
AUTHORIZED SIGNATORY

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

NOISE LEVEL DATA

NAME OF AREA: KANHAN AREA
NAME OF PROJECT: TANDSI UG

YEAR: 2020
MONTH: JUNE

FAN HOUSE: KTUN1		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	12-06-20	69.7
JUNE 2020	19-06-20	69.9
TLV		75

COLONY: KTUN2		
MONTH	DATE OF DATA COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
JUNE 2020	19-06-20	45.1
JUNE 2020	19-06-20	45.3
TLV		55

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

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

ENVIRONMENTAL MONITORING REPORT

PENCH AREA

BARKUI OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR		Test Report		 TC-7102
TEST REPORT NO.		RIN/TR/AUGUST-20/55	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER		GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.		WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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		PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT		BARKUI 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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
6/8/20	07/08/20	218	168	44	18	BDL	CLOUDY CALM
20/08/2020	21/08/2020	232	182	56	20	BDL	CLEAR CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH 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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
6/8/20	07/08/20	214	172	48	16	BDL	CLOUDY CALM
20/08/2020	21/08/2020	242	184	56	18	BDL	CLEAR CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH 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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06/08/20	07/08/20	182	168	44	16	BDL	CLOUDY CALM
20/08/2020	21/08/2020	248	192	48	20	BDL	CLEAR CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH 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)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06/08/20	07/08/20	122	68	34	12	BDL	CLOUDY CALM
20/08/2020	21/08/2020	134	72	42	14	BDL	CLEAR CALM
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
 Authorised Signatory

NOISE LEVEL MONITORING DATA

NEAR BARKUI HOSPITAL: PBON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	06.08.2020	45.7	-
AUGUST	20.08.2020	48.7	-
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

PENCH AREA

CHANDAMETA WORKSHOP

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




AUGUST 2020

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/AUGUST-20/56	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	CHANDAMETA WORKSHOP		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

CHANDAMETA WORKSHOP: PCWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
06.08.2020	07.08.2020	182	168	44	16	BDL	CLOUDY/CALM
20.08.2020	21.08.2020	248	192	48	20	BDL	CLEAR/CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	



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

NEAR CHANDAMETA WORKSHOP:		PCWN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUGUST	06.08.2020	58.2	-
AUGUST	20.08.2020	63.9	-
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

PENCH AREA

CHINDA OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/57	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07/08/20	08/08/20	214	172	56	18	12	CLOUDY CALM
21/08/2020	22/08/2020	228	184	58	22	14	CLOUDY LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07/08/20	08/08/20	232	164	52	20	12	CLOUDY CALM
21/08/2020	22/08/2020	248	182	56	22	BDL	CLOUDYLIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08/08/20	09/08/20	132	74	36	14	BDL	CLOUDY WINDING
22/08/2020	23/08/2020	108	52	32	16	BDL	RAINY CALM
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08/08/20	09/08/20	116	68	38	12	BDL	RAINY WINDING
22/08/2020	23/08/2020	118	72	42	14	BDL	RAINY 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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: PCOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07/08/20	7.99	34	32	BDL
20/08/2020	7.24	30	28	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

NEAR MANAGER OFFICE: PCON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	08.08.2020	45.2	-
AUGUST	20.08.2020	50.6	-
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	08.08.2020	49.7	-
AUGUST	20.08.2020	50.9	-
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

PENCH AREA

GANPATI UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/58	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	GANPATI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

LAMP ROOM: PGUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09/08/20	10/08/20	192	142	44	16	BDL	CLEAR CALM
23/08/2020	24/08/2020	168	128	38	14	BDL	RAINY CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE: PMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07/08/20	08/08/20	204	158	46	18	BDL	CLOUDY WINDY
21/8/2020	22/08/2020	238	172	54	20	BDL	CLOUDY LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY EDC-DISPENSARY: PGUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08/08/20	09/08/20	122	66	36	12	BDL	RAINY WINDY
22/08/2020	23/08/2020	108	42	32	14	BDL	RAINY CALM
NAAQS, 2009		-	100	60	80	80	

GUEST HOUSE-PARASIA: PMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07/08/20	08/08/20	128	74	38	14	BDL	CLOUDY CALM
21/8/2020	22/08/2020	114	66	42	16	BDL	CLOUDY LIGHT BREEZE
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: PGUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUGUST	08.08.2020	62.4	-
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PGUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
AUGUST	09.08.2020	39.7	-
AUGUST	20.08.2020	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

PENCH AREA

JAMUNIA UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



AUGUST 2020

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/AUGUST-20/59	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	JAMUNIA UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE: PJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13/08/2020	14/08/2020	198	122	40	12	BDL	RAINY WINDY
26/08/2020	27/08/2020	244	182	56	16	BDL	CLEAR LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION: PJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13/08/2020	14/08/2020	196	118	42	14	BDL	RAINY WINDY
27/08/2020	28/08/2020	238	184	56	18	12	CLEAR LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JAMUNIA VILLAGE: PJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13/08/2020	14/08/2020	98	52	36	12	BDL	RAINY WINDY
27/08/2020	28/08/2020	128	74	46	14	BDL	CLEAR LIGHT BREEZE
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)
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
10/08/20	7.75	24	20	BDL
28/08/2020	7.69	38	36	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

MANAGER OFFICE: PJUN1			
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	10.08.2020	37.1	-
AUGUST	24.08.2020	45.9	-
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

PENCH AREA

MAHADEOPURI UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/60	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
07/08/20	08/08/20	204	158	46	18	BDL	CLOUDY WINDY
21/08/2020	22/08/2020	238	172	54	20	BDL	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09/08/20	10/08/20	192	142	44	16	BDL	CLEAR CALM
23/08/2020	24/08/2020	168	128	38	14	BDL	RAINY CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
07/08/20	08/08/20	128	74	38	14	BDL	CLOUDY CALM
21/08/2020	22/08/2020	114	66	42	16	BDL	CLOUDY LIGHT BREEZE
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08/08/20	09/08/20	122	66	36	12	BDL	RAINY WINDY
22/08/2020	23/08/2020	108	42	32	14	BDL	RAINY 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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: PMUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07/08/20	7.90	30	28	BDL
21/08/2020	7.82	34	32	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

FAN HOUSE: PMUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	06.08.2020	61.1	-
AUGUST	20.08.2020	65.6	-
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PMUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	06.08.2020	38.5	-
AUGUST	20.08.2020	46.1	-
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

PENCH AREA

NEHARIA UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




AUGUST 2020

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/AUGUST-20/61	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
11/08/20	12/08/20	248	182	56	18	11	CLEAR CALM
25/08/2020	26/8/2020	252	174	58	20	12	CLEAR CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/08/20	13/08/2020	204	132	36	14	BDL	RAINY WINDY
25/08/2020	26/08/2020	244	182	56	18	11	CLEAR CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/08/20	13/08/2020	98	48	36	12	BDL	RAINY WINDY
25/08/2020	26/08/2020	124	66	42	14	BDL	CLEAR CALM
NAAQS, 2009		-	100	60	80	80	

BOKAI TOWNSHIP: PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/08/20	13/08/2020	104	52	38	12	BDL	RAINY WINDY
26/08/2020	27/08/2020	132	78	48	16	BDL	CLEAR LIGHT BREEZE
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.

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
09.08.2020	7.88	42	40	BDL
22.08.2020	7.96	38	32	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

FAN HOUSE: PNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	10.08.2020	65.7	-
AUGUST	24.08.2020	67.4	-
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	10.08.2020	51.3	-
AUGUST	24.08.2020	50.3	-
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

PENCH AREA

NEW SETHIA OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/62	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	NEW SETHIA OC		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

NEW SETHIA OC SITE: PSOA1		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08/08/20	09/08/20	240	168	56	12	BDL	RAINY WINDING
22/08/2020	23/08/2020	238	166	58	14	BDL	RAINY WINDING
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE: PCOA1		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07/08/20	08/08/20	214	172	56	18	12	CLOUDY CALM
21/08/2020	22/08/2020	228	184	58	22	14	CLOUDY LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CHINDA VILLAGE: PCOA3		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08/08/20	09/08/20	132	74	36	14	BDL	RAINY WINDY
22/08/2020	23/08/2020	108	52	32	16	BDL	RAINY CALM
NAAQS, 2009		-	100	60	80	80	

CHINDA COLONY: PSOA2		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
08/08/20	09/08/20	116	68	38	12	BDL	RAINY WINDY
22/08/2020	23/08/2020	118	72	42	14	BDL	RAINY 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)
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
08/08/20	7.65	38	36	BDL
21/08/2020	8.06	34	32	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

NEAR MANAGER OFFICE:		PSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUGUST	08.08.2020	46.9	-
AUGUST	20.08.2020	52.8	-
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA:		PCON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUGUST	08.08.2020	49.7	-
AUGUST	20.08.2020	50.9	-
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

PENCH AREA

SHIVPURI OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/63	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
10/08/20	11/08/20	244	182	56	18	12	CLEAR CALM
23/08/2020	24/08/2020	204	142	48	16	BDL	RAINY CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

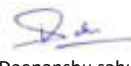
SUBSTATION VISHNUPURI-I: PV1UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09/08/20	10/08/20	222	158	52	14	BDL	CLEAR CALM
23/08/2020	24/08/2020	204	138	48	12	BDL	RAINY LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI: PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10/08/20	11/08/20	122	68	46	12	BDL	CLEAR CALM
23/08/2020	24/08/2020	128	72	48	14	BDL	CLEAR 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
08/08/20	09/08/20	132	74	36	14	BDL	RAINY WINDY
24/08/2020	25/08/2020	108	52	32	16	BDL	RAINY 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.

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance
SAMPLE DESCRIPTION	Air sample(Fugitive)
SAMPLING METHOD : LSOP 4	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE	PSPWBF1		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PARAMETERS (24 hourly values in µg/m ³)	SPM	PM ₁₀	
10.08.2020	11.08.2020	5	5	2	CLEAR/CALM
		292	178	58	



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.

SAMPLE DESCRIPTION	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: 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
09.08.2020	7.25	32	28	BDL
23.08.2020	7.95	40	32	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

NEAR MANAGER OFFICE:		PSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUGUST	10.08.2020	50.2	-
AUGUST	24.08.2020	50.2	-
NOISE POLLUTION (REGULATION AND CONTROL)		75	70

COLONY SHIVPURI:		PSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUGUST	10.08.2020	51.7	-
AUGUST	24.08.2020	43.2	-
NOISE POLLUTION (REGULATION AND CONTROL)		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

PENCH AREA

SHIVPURI OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/63	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
10/08/20	11/08/20	244	182	56	18	12	CLEAR CALM
23/08/2020	24/08/2020	204	142	48	16	BDL	RAINY CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
09/08/20	10/08/20	222	158	52	14	BDL	CLEAR CALM
23/08/2020	24/08/2020	204	138	48	12	BDL	RAINY LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI: PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10/08/20	11/08/20	122	68	46	12	BDL	CLEAR CALM
23/08/2020	24/08/2020	128	72	48	14	BDL	CLEAR 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
08/08/20	09/08/20	132	74	36	14	BDL	RAINY WINDY
24/08/2020	25/08/2020	108	52	32	16	BDL	RAINY 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.

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance
SAMPLE DESCRIPTION	Air sample(Fugitive)
SAMPLING METHOD : LSOP 4	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE	PSPWBF1		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)	SPM	PM ₁₀	
10.08.2020	11.08.2020	5	5	2	CLEAR/CALM
		292	178	58	



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)
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
09.08.2020	7.25	32	28	BDL
23.08.2020	7.95	40	32	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

NEAR MANAGER OFFICE:		PSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUGUST	10.08.2020	50.2	-
AUGUST	24.08.2020	50.2	-
NOISE POLLUTION (REGULATION AND CONTROL)		75	70

COLONY SHIVPURI:		PSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
AUGUST	10.08.2020	51.7	-
AUGUST	24.08.2020	43.2	-
NOISE POLLUTION (REGULATION AND CONTROL)		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

PENCH AREA

THESGORA MATHANI UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/64	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11/08/20	12/08/20	5	5	2	6	10	CLEAR CALM
25/08/2020	26/08/2020	122	74	38	12	BDL	CLEAR CALM
NAAQS, 2009		-	100	60	80	80	

SAM OFFICE: PTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10/08/20	11/08/20	5	5	2	6	10	CLEAR CALM
24/08/2020	25/08/2020	242	174	56	18	12	CLEAR WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE- MATHANI: PTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11/08/20	12/08/20	5	5	2	6	10	CLEAR CALM
24/08/2020	25/08/2020	238	176	52	20	12	CLEAR WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

JHURE COLONY-FILTER PLANT PTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
11/08/20	12/08/20	5	5	2	6	10	CLEAR CALM
24/08/2020	25/08/2020	124	68	42	14	BDL	CLEAR WINDY
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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: PTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08/08/20	7.21	38	36	BDL
21/08/2020	7.87	48	44	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

FAN HOUSE-MATHANI:		PTUN1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	10.08.2020	64.3	-
AUGUST	24.08.2020	68.9	-
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY-THESGORA:		PTUN2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	10.08.2020	50.8	-
AUGUST	24.08.2020	52.7	-
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

PENCH AREA

URDHAN OC

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/65	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/08/20	13/08/2020	204	160	48	16	BDL	RAINY,WINDY
26/08/2020	27/08/2020	248	182	56	18	12	CLEAR, LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

URDHAN VILLAGE: PUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
13/08/2020	14/08/2020	102	52	36	12	BDL	RAINY ,WINDY
26/08/2020	27/08/2020	132	72	52	18	12	CLEAR, LIGHT BREEZE
NAAQS, 2009		-	100	60	80	80	

NEHARIA VILLAGE: PNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/08/20	13/08/2020	98	48	36	12	BDL	RAINY,WINDY
25/08/2020	26/08/2020	124	66	42	14	BDL	CLEAR,CALM
NAAQS, 2009		-	100	60	80	80	

BOKAI TOWNSHIP: PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
12/08/20	13/08/2020	104	52	38	12	BDL	RAINY,WINDY
26/08/2020	27/08/2020	132	78	48	16	BDL	CLEAR, LIGHT BREEZE
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

NEAR MANAGER OFFICE: PUON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	10.08.2020	48.9	-
AUGUST	24.08.2020	57.6	-
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

PENCH AREA

VISHNUPURI-II UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/67	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	PENCH	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	VISHNUPURI-II UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SAM OFFICE: PV1UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09/08/20	10/08/20	234	174	46	18	12	CLEAR/CALM
23/08/2020	24/08/2020	212	152	38	16	11	RAINY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION: PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09/08/20	10/08/20	222	158	52	14	BDL	CLEAR/CALM
23/08/2020	24/08/2020	204	138	48	12	BDL	RAINY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY GUEST HOUSE-SHIPURI: PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10/08/20	11/08/20	122	68	46	12	BDL	CLEAR CALM
24/08/2020	25/08/2020	128	72	48	14	BDL	CLEAR 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
08/08/20	09/08/20	132	74	36	14	BDL	RAINY WINDY
22/08/2020	23/08/2020	108	52	32	16	BDL	RAINY 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.

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016
SAMPLE DESCRIPTION	Air sample(Fugitive)
SAMPLING METHOD : LSOP 4	

DATE(dd:mm:yy) OF SAMPLING		WEIGH BRIDGE	PV2WBF1		ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)	SPM	PM ₁₀	
09.08.2020	10.08.2020	5	5	2	CLEAR/CALM
		284	144	56	



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)
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
10.08.2020	7.75	42	40	BDL
23.08.2020	8.03	38	36	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

FAN HOUSE UG-II:		PV2UN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	09.08.2020	61.8	-
AUGUST	24.08.2020	66.3	-
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY(VISHNUPURI-I):		PV1UN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	10.08.2020	43.7	-
AUGUST	24.08.2020	49.2	-
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

PENCH AREA

VISHNUPURI-I UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

TEST REPORT NO.	RIN/TR/AUGUST-20/66	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
09/08/20	10/08/20	234	174	46	18	12	CLEAR/CALM
23/08/2020	24/08/2020	212	152	38	16	11	RAINY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION: PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
09/08/20	10/08/20	222	158	52	14	BDL	CLEAR/CALM
23/08/2020	24/08/2020	204	138	48	12	BDL	RAINY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI: PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
10/08/20	11/08/20	122	68	46	12	BDL	CLEAR CALM
24/08/2020	25/08/2020	128	72	48	14	BDL	CLEAR WINDING
NAAQS, 2009		-	100	60	80	80	

CHINDA VILLAGE: PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
08/08/20	09/08/20	132	74	36	14	BDL	RAINY WINDING
22/08/2020	23/08/2020	108	52	32	16	BDL	RAINY 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 UG-I:		PV1UN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	09.08.2020	64.2	-
AUGUST	24.08.2020	62.7	-
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY:		PV2UN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUGUST	10.08.2020	43.7	-
AUGUST	24.08.2020	49.2	-
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

PATHAKHERA AREA

CHATTARPUR I & II UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	 TC-1102
---	--------------------	--

TEST REPORT NO.	RIN/TR/AUGUST-20/79	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07/08/20	08/08/20	94	68	25	17	12	Cloudy calm
21/08/2020	22/08/2020	80	62	23	14	BDL	Rainy sky, calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE: PKCUA2		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07/08/20	08/08/20	88	63	29	16	BDL	Cloudy calm
21/08/2020	22/08/2020	78	57	24	15	12	Rainy sky, calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION-CHATTARPUR II UG: PKCUA3		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07/08/20	08/08/20	90	60	26	15	BDL	Cloudy calm
22/08/2020	23/08/2020	82	55	23	13	BDL	Rainy sky, calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

CHATTARPUR VILLAGE: PKCUA4		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
FROM	TO	5	5	2	6	10	
07/08/20	08/08/20	70	49	21	12	BDL	Cloudy calm
21/08/2020	22/08/2020	61	42	20	11	BDL	Rainy sky, calm
NAAQS, 2009		-	100	60	80	80	

labnikhane

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.

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017) & PM2.5: USEPA Quality Assurance	
SAMPLE DESCRIPTION	Air sample(Fugitive)	
SAMPLING METHOD : LSOP 4		

NEAR COAL STOCK BUNKER: PKCUF1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)			ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM ₁₀	PM _{2.5}	
FROM	TO	5	5	2	
21.08.2020	22.08.2020	148	82	45	Calm ,Clear Sky



Analysed by



Deepanshu sahu

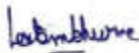
Authorised Signatory

- 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)
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
07.08.2020	7.9	22	36	BDL
21.08.2020	8.06	30	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE II UG: PKCUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07.8.2020	7.05	20	28	BDL
21.08.2020	7.26	22	32	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

FAN HOUSE-I UG: PKCUN1		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
Aug-20	6.8.2020	69.7
Aug-20	21.8.2020	68.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

FAN HOUSE-II UG: PKCUN2		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
Aug-20	6.8.2020	68.9
Aug-20	21.8.2020	69.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY: PKCUN3		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
Aug-20	6.8.2020	44.7
Aug-20	21.8.2020	43.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

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

ENVIRONMENTAL MONITORING REPORT

PATHAKHERA AREA

SARNI UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

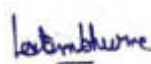
TEST REPORT NO.	RIN/TR/AUGUST-20/80	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance		
NAME OF AREA	PATHARKHERA	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	SARNI UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

SUBSTATION SARNI UG: PKSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05/08/20	06/08/20	92	65	27	16	BDL	Cloudy, calm
19/08/2020	20/08/2020	82	59	24	13	BDL	Rainy sky, calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

NEAR DY.CME OFFICE: PKSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05/08/20	06/08/20	73	53	21	15	12	Cloudy, calm
19/08/2020	20/08/2020	69	48	24	14	12	Rainy sky, calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

GM OFFICE ENTRANCE GATE: PKSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05/08/20	06/08/20	78	55	28	14	BDL	Cloudy, calm
19/08/2020	20/08/2020	72	49	25	12	BDL	Rainy sky, calm
NAAQS, 2009		-	100	60	80	80	

PATHAKHERA COLONY: PKSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04/08/20	05/08/20	77	48	22	13	BDL	Cloudy, calm
18/08/2020	19/08/2020	70	45	20	11	BDL	Rainy 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)
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
5.8.2020	7.61	22	32	BDL
20.08.2020	7.57	24	36	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

FAN HOUSE: PKSUN1		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
Aug-20	5.8.2020	70.1
Aug-20	19.8.2020	69.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY(SARNI): PKSUN2		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME
	DETECTION LIMIT	20
Aug-20	5.08.2020	44.9
Aug-20	19.8.2020	44.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

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

ENVIRONMENTAL MONITORING REPORT

PATHAKHERA AREA

SHOBHAPUR UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




AUGUST 2020

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/AUGUST-20/81	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
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	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 µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06/08/20	07/08/20	95	69	26	13	BDL	Cloudy Calm
20/08/2020	21/08/2020	87	61	23	11	BDL	Cloudy Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SUBSTATION: PKSHUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06/08/20	07/08/20	99	67	29	15	11	Cloudy Calm
20/08/2020	21/08/2020	86	60	25	13	BDL	Cloudy Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SHOBHAPUR VILLAGE: PKSHUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
06/08/20	07/08/20	79	48	22	11	BDL	Cloudy Calm
20/08/2020	21/08/2020	70	44	20	10	BDL	Rainy Calm
NAAQS, 2009		-	100	60	80	80	

SHOBHAPUR COLONY: PKSHUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m ³)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
05/08/20	06/08/20	67	47	20	10	BDL	Cloudy Calm
19/08/2020	20/08/2020	60	41	22	11	BDL	Rainy Calm
NAAQS, 2009		-	100	60	80	80	

Labimdhume

Deepanshu

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)
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
06.08.2020	7.9	22	36	BDL
20.08.2020	7.83	22	28	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

FAN HOUSE:		PKSUN1
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
	DETECTION LIMIT	20
Aug-20	6.8.2020	69.9
Aug-20	20.8.2020	70.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY(SHOBHAPUR):		PKSUN2
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
	DETECTION LIMIT	20
Aug-20	6.8.2020	43.8
Aug-20	20.8.2020	44.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55

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

ENVIRONMENTAL MONITORING REPORT

PATHAKHERA AREA

TAWA-II UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

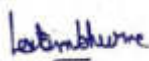
TEST REPORT NO.	RIN/TR/AUGUST-20/82	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance		
NAME OF AREA	PATHARKHERA	SAMPLING PLAN : LQR 47	
NAME OF PROJECT	TAWA-II UG		
SAMPLE DESCRIPTION	Air sample		
SAMPLING METHOD : LSOP 4			

MANAGER OFFICE-TAWA II: PKT2UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04/08/20	05/08/20	97	66	26	15	BDL	Cloudy Calm
18/08/2020	19/08/2020	88	55	21	14	BDL	Rainy Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

SAM OFFICE: PKTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04/08/20	05/08/20	87	56	25	16	BDL	Cloudy Calm
18/08/2020	19/08/2020	82	50	22	15	BDL	Rainy Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MPEB COLONY: PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04/08/20	05/08/20	66	42	21	14	BDL	Cloudy Calm
18/08/2020	19/08/2020	63	45	20	13	BDL	Rainy Calm
NAAQS, 2009		-	100	60	80	80	

HIRA PALLA/BHAGAIAKHAPA 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
06/08/20	07/08/20	61	40	20	12	BDL	Cloudy Calm
20/08/2020	21/08/2020	59	38	23	14	BDL	Cloudy 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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: PKTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.08.2020	7.71	24	32	BDL
19.08.2020	7.87	28	32	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

FAN HOUSE: PKTUN1		NOISE LEVEL IN dB(A)
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME
		DETECTION LIMIT
Aug-20	05.8.2020	70.5
Aug-20	19.8.2020	68.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

STRICTLY RESTRICTED
FOR COMPANY USE ONLY

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

ENVIRONMENTAL MONITORING REPORT

PATHAKHERA AREA

TAWA UG

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




AUGUST 2020

Environment Laboratory

CMPDI

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

AN ISO 9001:2015 COMPANY

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

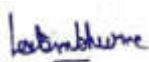
TEST REPORT NO.	RIN/TR/AUGUST-20/83	DATE OF ISSUE	30.09.2020
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/588-615 DATED: 15.06.20		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance		
NAME OF AREA	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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
04/08/20	05/08/20	87	56	25	16	BDL	Cloudy Calm
18/08/2020	19/08/2020	82	50	22	15	BDL	Rainy calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MANAGER OFFICE-TAWA II: PKT2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04/08/20	05/08/20	97	66	26	15	BDL	Cloudy Calm
18/08/2020	19/08/2020	88	55	21	14	BDL	Rainy calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 TH September 2000		600	300	-	120	120	

MPEB COLONY: PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$)					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM ₁₀	PM _{2.5}	NO ₂	SO ₂	
04/08/20	05/08/20	66	42	21	14	BDL	Cloudy Calm
18/08/2020	19/08/2020	63	45	20	13	BDL	Rainy 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 ₁₀	PM _{2.5}	NO ₂	SO ₂	
06/08/20	07/08/20	61	40	20	12	BDL	Cloudy Calm
20/08/2020	21/08/2020	59	38	23	14	BDL	Cloudy 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)
SAMPLING METHOD	LSOP 5

MINE WATER DISCHARGE: PKTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05.08.2020	7.51	22	32	BDL
19.08.2020	7.62	32	36	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

FAN HOUSE: PKTUN1		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
	DETECTION LIMIT	20
Aug-20	04.8.2020	69.7
Aug-20	19.8.2020	68.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75

COLONY(TAWA): PKTUN2		
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)
		DAY TIME
	DETECTION LIMIT	20
Aug-20	04.08.2020	45.4
Aug-20	19.8.2020	43.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55