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## ENVIRONMENTAL MONITORING REPORT

# BALLARPUR OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



SEP - 2022

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
TEST REPORT NO.	RIN/TR/SEP-22/41	DATE OF ISSUE	28.10.2022		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			15/09/22 TO 15/10/22	

MANAGER OFFICE-BALLARPUR UG BBUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
08-09-22	09-09-22	227	138	38	10	10	Cloudy sky / Light Breeze
25-09-22	26-09-22	238	146	48	11	BDL	Cloudy sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

SUBSTATION BBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
07-09-22	08-09-22	238	142	42	11	BDL	Cloudy sky / Light Breeze
24-09-22	25-09-22	232	134	34	12	BDL	Cloudy sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE BBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
07-09-22	08-09-22	208	128	38	9	BDL	Cloudy sky / Light Breeze
24-09-22	25-09-22	218	132	32	8	BDL	Cloudy sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH OCTOBER 2000		600	300	-	120	120	

FILTER PLANT COLONY BBUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
08-09-22	09-09-22	122	47	28	7	BDL	Cloudy sky / Light Breeze
25-09-22	26-09-22	134	42	24	6	BDL	Cloudy sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

*J. Shrivastava*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.07.2022 TO 13.08.2022

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
07-09-22	7.52	14	24	BDL
24-09-22	7.4	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

<b>CHP: BBUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	07.09.2022	65.8	64.7
SEP'22	20.09.2022	63.7	62.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY BALLARPUR UG: BBUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	07.09.2022	42.7	41.5
SEP'22	20.09.2022	44.4	43.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
Reviewed by



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## ENVIRONMENTAL MONITORING REPORT

# BALLARPUR UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/SEP-22/42	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

MANAGER OFFICE- BALLARPUR UG		BBAU1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
08-09-2022	09-09-2022	227	138	38	10	BDL	Cloudy / Light Breeze
25-09-2022	26-09-2022	238	146	48	11	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SUBSTATION		BBOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
07-09-2022	08-09-2022	238	142	42	11	BDL	Cloudy / Light Breeze
24-09-2022	25-09-2022	232	134	34	12	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PREMISES OF SUB AREA OFFICE		BBOA3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
07-09-2022	08-09-2022	208	128	38	9	BDL	Cloudy / Light Breeze
24-09-2022	25-09-2022	218	132	32	8	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

FILTER PLANT COLONY		BBAU4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
08-09-2022	09-09-2022	127	47	28	7	BDL	Cloudy / Light Breeze
25-09-2022	26-09-2022	134	42	24	6	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

*J. Shan*  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: BBUW1		ANALYSIS RESULTS		
DATE OF SAMPLE COLLECTION	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-09-2022	7.87	22	32	BDL
25-09-2022	7.8	26	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Sheng*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE: BBUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	07-09-2022	75.5	74.6
SEP'22	20-09-2022	74.5	73.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY: BBUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	07-09-2022	42.7	41.5
SEP'22	20-09-2022	44.4	43.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
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## ENVIRONMENTAL MONITORING REPORT

# GOURI-I & II (A) OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/44	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

MANAGER OFFICE-GOURI-I OC		BGOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
05-09-2022	06-09-2022	231	131	44	10	BDL	Cloudy / Light Breeze
23-09-2022	24-09-2022	224	139	40	9	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE GOURI SUB AREA		BGOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
06-09-2022	07-09-2022	227	137	38	11	BDL	Rainy sky / Light Breeze
23-09-2022	24-09-2022	229	133	32	10	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

GOURI COLONY FILTER PLANT		BSOA3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
06-09-2022	07-09-2022	117	42	24	7	BDL	Rainy sky / Light Breeze
23-09-2022	24-09-2022	119	48	26	6	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

GOURI VILLAGE		BGOA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
04-09-2022	05-09-2022	132	37	28	7	BDL	Cloudy / Light Breeze
21-09-2022	22-09-2022	127	35	22	8	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

*J. Shrivastava*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

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
08-09-2022	7.89	18	28	BDL
25-09-2022	7.48	24	32	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
08-09-2022	7.41	24	32	BDL
25-09-2022	7.76	14	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shyam*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

<b>CHP: BGON1</b>		<b>NOISE LEVEL IN dB(A)</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
		<b>DETECTION LIMIT</b>	20
SEP'22	07-09-2022	64.7	63.6
SEP'22	20-09-2022	65.9	64.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>GOURI COLONY: BSON2</b>		<b>NOISE LEVEL IN dB(A)</b>	
<b>MONTH</b>	<b>DATE OF SAMPLE COLLECTION</b>	<b>DAY TIME</b>	<b>NIGHT TIME</b>
		<b>DETECTION LIMIT</b>	20
SEP'22	07-09-2022	44.4	43.4
SEP'22	20-09-2022	42.3	41.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
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## ENVIRONMENTAL MONITORING REPORT

# GOURI DEEP OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/43	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22


MANAGER OFFICE		BGDO1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>	
03-09-2022	04-09-2022	238	134	36	10	BDL	Cloudy / Calm
20-09-2022	21-09-2022	232	128	32	11	BDL	Cloudy sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MUTRA VILLAGE		BGDO2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>	
03-09-2022	04-09-2022	124	32	24	7	BDL	Cloudy / Calm
20-09-2022	21-09-2022	128	36	28	8	BDL	Cloudy sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

GOYEGAON VILLAGE		BGDO3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>	
03-09-2022	04-09-2022	132	38	22	8	BDL	Cloudy / Calm
20-09-2022	21-09-2022	122	34	26	7	BDL	Cloudy sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

ANTARGAON VILLAGE		BGDO4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>x</sub>	So <sub>x</sub>	
03-09-2022	04-09-2022	116	36	26	7	BDL	Cloudy / Calm
20-09-2022	21-09-2022	122	32	22	6	BDL	Cloudy sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

*J. Shrivastava*  
Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

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
03-09-2022	7.28	78	28	BDL
20-09-2022	7.38	14	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP) DISCHARGE: BGDW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-09-2022	7.34	22	32	BDL
20-09-2022	7.44	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shrivastava*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-7102
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**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE:		BGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	07-09-2022	56.6	55.8
SEP'22	20-09-2022	54.6	53.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

# NEW DHOPTALA OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/45	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
07-09-2022	08-09-2022	238	148	48	12	BDL	Cloudy / Light Breeze
24-09-2022	25-09-2022	222	142	44	11	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
08-09-2022	09-09-2022	214	138	38	10	BDL	Cloudy / Light Breeze
25-09-2022	26-09-2022	228	132	32	11	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
07-09-2022	08-09-2022	118	36	24	7	BDL	Cloudy / Light Breeze
24-09-2022	25-09-2022	124	30	26	8	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 <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
03-09-2022	04-09-2022	124	32	24	7	BDL	Cloudy / Light Breeze
20-09-2022	21-09-2022	128	36	28	8	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	


  
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: BNDOW1		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
07-09-2022	7.85	14	24	BDL
24-09-2022	7.83	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shan*  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

<b>CHP: BNDON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	07-09-2022	66.7	65.7
SEP'22	20-09-2022	64.7	63.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>SASTI COLONY: BSUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	07-09-2022	43.6	42.5
SEP'22	20-09-2022	43.4	42.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# PAUNI II OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/47	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

MINE OFFICE  BP2OA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
05-09-2022	06-09-2022	237	139	38	10	BDL	Cloudy Sky / Light Breeze
22-09-2022	23-09-2022	224	132	34	11	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


SUBSTATION  BP2OA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
05-09-2022	06-09-2022	226	142	42	12	BDL	Cloudy Sky / Light Breeze
22-09-2022	23-09-2022	218	137	44	10	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAKHARI VILLAGE  BP2OA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
05-09-2022	06-09-2022	118	38	22	7	BDL	Cloudy Sky / Light Breeze
22-09-2022	23-09-2022	127	36	26	8	BDL	Cloudy Sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

WORKSHOP PAUNI OC  BPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
04-09-2022	05-09-2022	218	136	44	10	BDL	Cloudy Sky / Light Breeze
21-09-2022	22-09-2022	228	130	48	9	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

*J. Shay*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

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
05-09-2022	7.65	26	36	BDL
22-09-2022	7.84	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shan*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	07-09-2022	55.7	54.7
SEP'22	20-09-2022	55.8	54.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

# PAUNI OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/46	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	15/09/22 TO 15/10/22	

MANAGER OFFICE-POUNI OC   BPOA1							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
04-09-2022	05-09-2022	237	147	46	12	BDL	Cloudy Sky / Light Breeze
21-09-2022	22-09-2022	231	142	42	11	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


WORKSHOP PAUNI OC   BPOA2							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
04-09-2022	05-09-2022	218	136	44	10	BDL	Cloudy Sky / Light Breeze
21-09-2022	22-09-2022	228	130	48	9	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PAUNI VILLAGE   BPOA3							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
04-09-2022	05-09-2022	132	38	28	7	BDL	Cloudy Sky / Light Breeze
21-09-2022	22-09-2022	126	32	24	6	BDL	Cloudy Sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

GOURI VILLAGE   BGOA4							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
04-09-2022	05-09-2022	132	37	28	7	BDL	Cloudy Sky / Light Breeze
21-09-2022	22-09-2022	127	35	22	8	BDL	Cloudy Sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

*J. Shrivastava*

Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>		
SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022		

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
04-09-2022	7.7	14	24	BDL
21-09-2022	7.61	26	36	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
04-09-2022	7.55	18	28	BDL
21-09-2022	7.5	22	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*J. Shrivastava*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE:		BPON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	07-09-2022	57.8	56.9
SEP'22	20-09-2022	56.7	55.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	07-09-2022	44.4	43.4
SEP'22	20-09-2022	42.3	41.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# SASTI OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



SEP - 2022

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/48	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

SAM OFFICE-SASTI OC   BSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
06-09-2022	07-09-2022	240	138	38	11	BDL	Rainy / Light Breeze
23-09-2022	24-09-2022	234	134	36	10	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt.		600	300	-	120	120	

AREA STORE   BSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
06-09-2022	07-09-2022	220	128	32	8	BDL	Rainy / Light Breeze
23-09-2022	24-09-2022	226	130	34	7	BDL	Cloudy Sky / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt.		600	300	-	120	120	

GOURI COLONY FILTER PLANT   BSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
06-09-2022	07-09-2022	117	42	24	7	BDL	Rainy / Light Breeze
23-09-2022	24-09-2022	119	48	26	6	BDL	Cloudy Sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

SASTI VILLAGE   BSOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
08-09-2022	09-09-2022	132	32	22	8	BDL	Cloudy Sky / Light Breeze
25-09-2022	26-09-2022	128	38	20	7	BDL	Cloudy Sky / Light Breeze
NAAQS, 2009		-	100	60	80	80	

*J. Shyam*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

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	
06-09-2022	7.93	18	28	BDL	
23-09-2022	7.4	22	32	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	
06-09-2022	7.43	22	32	BDL	
23-09-2022	7.81	26	36	BDL	
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10	

STP(DOMESTIC EFFLUENT)TREATED:		BSOW3	
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS		
	TSS (in mg/l)	BOD(in mg/l)	
DETECTION LIMIT	10	2	
07-09-2022	16	10.2	
23-09-2022	22	10.4	
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E	100	30	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

CHP:		BSON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	07-09-2022	65.7	64.6
SEP'22	20-09-2022	66.7	65.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000</b>		<b>75</b>	<b>70</b>

GOURI COLONY:		BSON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	07-09-2022	44.4	43.4
SEP'22	20-09-2022	42.3	41.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES,2000</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

### SASTI UG

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



SEP - 2022

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
TEST REPORT NO.	RIN/TR/SEP-22/49	DATE OF ISSUE	28.10.2022		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :		LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			15/09/22 TO 15/10/22	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
07-09-22	08-09-22	238	148	48	12	BDL	Cloudy / Light Breeze
24-09-22	25-09-22	222	142	44	11	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
08-09-22	09-09-22	214	138	38	10	BDL	Cloudy / Light Breeze
25-09-22	26-09-22	228	132	32	11	BDL	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
07-09-22	08-09-22	118	36	24	7	BDL	Cloudy / Light Breeze
24-09-22	25-09-22	124	30	26	8	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
08-09-22	09-09-22	132	32	22	8	BDL	Cloudy / Light Breeze
25-09-22	26-09-22	128	38	20	7	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

*J. Shan*

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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		BSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	07-09-22	46.5	45.6
SEP'22	20-09-22	43.6	42.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

SASTI COLONY:		BSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	07-09-22	43.6	42.5
SEP'22	20-09-22	43.4	42.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# BHATADI OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

Environment Laboratory  
CMPDI  
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JARIPATKA, NAGPUR, PIN – 440 014

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/31	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

BHATADI SECURITY POST CBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	245	165	51	22	14	Clear Sky / Light Breeze
19-09-2022	20-09-2022	254	167	60	24	15	Cloudy Sky / Moderate Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

BHATADI MANAGER OFFICE CBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	240	136	56	23	15	Clear Sky / Light Breeze
19-09-2022	20-09-2022	248	138	58	25	16	Cloudy Sky / Moderate Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

BHATADI VILLAGE CBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	144	58	32	16	BDL	Clear Sky / Light Breeze
19-09-2022	20-09-2022	151	60	34	18	10	Cloudy Sky / Moderate Breeze
NAAQS, 2009		-	100	60	80	80	

VADHOLI VILLAGE CBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	134	60	33	13	BDL	Clear Sky / Light Breeze
19-09-2022	20-09-2022	142	59	35	15	BDL	Cloudy Sky / Moderate Breeze
NAAQS, 2009		-	100	60	80	80	

*R. Anupama*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

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
10-09-2022	7.28	28	36	BDL
20-09-2022	7.24	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	

ETP DISCHARGE: CBOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-09-2022	8.05	22	28	BDL
20-09-2022	7.72	38	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	

STP(DOMESTIC EFFLUENT)TREATED: CBOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
10-09-2022	52	10.2
20-09-2022	46	9.6
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

*R. Anupama*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

<b>CHP: CBON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	10-09-2022	65.7	64.9
SEP'22	27-09-2022	64.9	63.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: CBON2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	10-09-2022	42.4	43.3
SEP'22	27-09-2022	43.6	42.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

### CRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

Environment Laboratory  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/32	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

MANAGER OFFICE MAHAKALI UG CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	244	146	55	23	16	Cloudy / Light Breeze
27-09-2022	28-09-2022	252	148	62	25	15	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

CRC SUBSTATION/ FILTER PLANT CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	261	168	58	22	14	Cloudy / Light Breeze
28-09-2022	29-09-2022	269	170	60	24	15	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

JATWARA MILK SCHEME CCRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	248	174	54	23	15	Cloudy / Light Breeze
28-09-2022	29-09-2022	256	176	62	25	16	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY (MAHAKALI UG) CMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	115	56	24	14	BDL	Cloudy / Light Breeze
27-09-2022	28-09-2022	123	58	26	16	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

*R. Anupama*  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

CHP: CCRUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	10-09-2022	63.6	62.8
SEP'22	27-09-2022	63.6	62.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY: CCRUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	10-09-2022	43.5	42.7
SEP'22	27-09-2022	42.8	41.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

### DRC UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/SEP-22/33	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

PIT OFFICE-DRC- III UG CDRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	255	133	63	24	16	Rainy / Light Breeze
28-09-2022	29-09-2022	247	131	61	22	14	Clear / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

NEHRU NAGAR/ SUBSTATION CDRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	228	150	52	21	15	Rainy / Light Breeze
29-09-2022	30-09-2022	236	152	59	23	16	Clear / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DRC- V COLONY CDRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	150	62	29	15	11	Cloudy / Light Breeze
29-09-2022	30-09-2022	158	64	31	17	10	Clear / Calm
NAAQS, 2009		-	100	60	80	80	

PIT OFFICE DRC-IV CDRUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	251	160	59	24	15	Cloudy / Light Breeze
28-09-2022	29-09-2022	259	162	62	26	14	Clear / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

*R. Anupurna*  
Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

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
12-09-2022	7.33	18	28	BDL
19-09-2022	7.7	16	24	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Annapurna*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-7102
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE: CDRUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	10-09-2022	77.6	76.5
SEP'22	27-09-2022	74.8	73.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

DURGAPUR COLONY: CDRUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	10-09-2022	43.5	42.7
SEP'22	27-09-2022	43.6	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

### DURGAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



SEP - 2022

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/34	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

MANAGER OFFICE-SECTOR V   CDOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	232	159	64	23	16	Rainy / Light Breeze
29-09-2022	30-09-2022	240	161	66	25	15	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DURGAPUR VILLAGE   CDOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	122	61	34	15	BDL	Rainy / Light Breeze
29-09-2022	30-09-2022	128	59	35	17	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

MANAGER OFFICE Q-IV   CPOA1(Padmapur)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	208	149	60	22	14	Rainy / Light Breeze
20-09-2022	21-09-2022	216	151	62	24	15	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

FILTER PLANT DOC/POC COLONY   CDOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	124	57	33	15	BDL	Rainy / Light Breeze
29-09-2022	30-09-2022	128	59	35	17	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

*R. Anupama*

Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE Q-II CDOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-09-2022	6.46	18	28	BDL
28-09-2022	6.35	16	24	BDL
STANDARDS FOR COAL	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
11-09-2022	6.38	16	24	BDL
28-09-2022	6.34	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): CDOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
11-09-2022	6.82	28	36	BDL
28-09-2022	3.76	22	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT): CDOW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
11-09-2022	36	9.6
28-09-2022	48	10.8
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30

*R. Annapurna*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

<b>CHD DON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	10-09-2022	64.8	63.6
SEP'22	27-09-2022	64.5	63.6
<b>NOISE POLLUTION (REGULATION AND</b>		<b>75</b>	<b>70</b>

<b>DURGAPUR COLONY: CDON2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	10-09-2022	43.5	42.7
SEP'22	27-09-2022	43.6	42.7
<b>NOISE POLLUTION (REGULATION AND</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

### HLP-I & III UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



SEP - 2022

Environment Laboratory  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/36	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

SUBSTATION HLC I UG CHUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	239	171	57	23	16	Cloudy / Light Breeze
19-09-2022	20-09-2022	247	173	59	25	15	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PIT OFFICE - HLC-I INCLINE CHUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	227	173	61	22	15	Rainy / Light Breeze
19-09-2022	20-09-2022	235	175	63	24	14	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

HLC-III COLONY CHUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	141	59	32	14	BDL	Rainy / Light Breeze
19-09-2022	20-09-2022	149	61	34	16	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80		

RAJIV GANDHI ENGG. COLLEGE CHUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					Rainy/Windy
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	155	69	31	15	12	Cloudy / Light Breeze
19-09-2022	20-09-2022	163	71	33	17	13	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

*R. Anupurna*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

<b>MINE WATER DISCHARGE(HLP-III): CHUW1</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-09-2022	7.43	18	28	BDL
19-09-2022	7.28	20	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

<b>MINE WATER DISCHARGE(HLP-I): CHUW2</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-09-2022	7.83	16	24	BDL
19-09-2022	7.26	18	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Anupama*  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE-I:		CHUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'2022	10-09-2022	75.6	74.8
SEP'2022	27-09-2022	74.8	73.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY:		CHUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'2022	10-09-2022	42.7	41.9
SEP'2022	27-09-2022	42.9	41.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

### HLP OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



SEP - 2022

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/35	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	280	161	61	22	16	Cloudy / Light Breeze
27-09-2022	28-09-2022	288	163	63	24	17	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MANAGER OFFICE(HLP OC)   CHO2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	246	147	65	22	16	Cloudy / Light Breeze
26-09-2022	27-09-2022	254	149	66	25	15	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	131	55	32	14	11	Cloudy / Light Breeze
26-09-2022	27-09-2022	139	57	34	16	12	Cloudy / Light Breeze
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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	136	49	32	14	11	Cloudy / Light Breeze
27-09-2022	28-09-2022	144	51	34	16	12	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

*R. Anupama*

Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: CHOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-09-2022	2.67	52	60	BDL
26-09-2022	2.89	40	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Annapurna*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

CHP		CHON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	10-09-2022	67.5	66.6
SEP'22	27-09-2022	65.9	64.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY HLP:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	10-09-2022	43.6	42.8
SEP'22	27-09-2022	43.8	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

### MAHAKALI UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
TEST REPORT NO.	RIN/TR/SEP-22/37	DATE OF ISSUE	28.10.2022		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			15/09/22 TO 15/10/22	

MANAGER OFFICE MAHAKALI UG   CMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	244	146	55	23	16	Cloudy / Light Breeze
27-09-2022	28-09-2022	252	148	62	25	15	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	


CRC SUBSTATION/ FILTER PLANT   CCRUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	261	168	58	22	14	Cloudy / Light Breeze
28-09-2022	29-09-2022	269	170	60	24	15	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

JATWARA MILK SCHEME   CCRUA3(C.R.C-U/G)							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	248	174	54	23	15	Cloudy / Light Breeze
28-09-2022	29-09-2022	256	176	62	25	16	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

COLONY (MAHAKALI UG)   CMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	115	56	24	14	BDL	Cloudy / Light Breeze
27-09-2022	28-09-2022	123	58	26	16	BDL	Cloudy / Light Breeze
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

*R. Anupama*


Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
SAMPLE DESCRIPTION	Water sample				
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O				
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :			15.09.2022 TO 15.10.2022

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
10-09-2022	7.68	20	28	BDL
27-09-2022	7.8	36	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

<b>FAN HOUSE: CMUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	10-09-2022	75.8	74.8
SEP'22	27-09-2022	73.5	72.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(MAHAKALI): CMUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	10-09-2022	44.4	43.3
SEP'22	27-09-2022	42.7	41.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# MANA UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/38	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	229	129	50	23	14	Cloudy / Light Breeze
26-09-2022	27-09-2022	237	131	60	25	15	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	218	144	53	24	15	Cloudy / Light Breeze
26-09-2022	27-09-2022	226	145	58	26	16	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	136	49	32	14	11	Cloudy / Light Breeze
26-09-2022	27-09-2022	144	51	34	16	12	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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	131	55	32	14	11	Cloudy / Light Breeze
26-09-2022	27-09-2022	139	57	34	16	12	Cloudy / Light Breeze
		-	100	60	80	80	

*R. Annapurna*

Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

<b>MINE WATER DISCHARGE: CMUW1</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-09-2022	7.7	56	64	BDL
26-09-2022	7.34	32	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Annapurna*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE: CMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	10-09-2022	74.7	73.9
SEP'22	27-09-2022	75.6	74.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(HLP OC): CHON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	10-09-2022	43.6	42.8
SEP'22	27-09-2022	43.8	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# NANDGAON UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



SEP - 2022

Environment Laboratory  
CMPDI  
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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TEST REPORT NO.	RIN/TR/SEP-22/39	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

MANAGER OFFICE NANDGAON UG		CNUA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	280	161	61	22	16	Cloudy / Light Breeze
27-09-2022	28-09-2022	288	163	63	24	17	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SUBSTATION MANA INCLINE		CMUA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	218	144	53	24	15	Cloudy / Light Breeze
26-09-2022	27-09-2022	226	145	58	26	16	Cloudy / Light Breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MANA VILLAGE		CMUA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	131	55	32	14	11	Cloudy / Light Breeze
26-09-2022	27-09-2022	139	57	34	16	12	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

COLONY (NANDGAON)		CNUA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	136	49	32	14	11	Cloudy / Light Breeze
27-09-2022	28-09-2022	144	51	34	16	12	Cloudy / Light Breeze
NAAQS, 2009		-	100	60	80	80	

*R. Annapurna*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: CNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-09-2022	7.88	18	28	BDL
27-09-2022	7.22	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*R. Anupama*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		CNUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	10-09-2022	76.5	75.7
SEP'22	27-09-2022	76.7	75.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY HLP OC:		CHON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	10-09-2022	43.6	42.8
SEP'22	27-09-2022	43.8	42.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

### NEW MAJRI-II(A) OC

MAJRI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/SEP-22/51	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

NMOC SUBSTATION MMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03-09-2022	04-09-2022	274	156	50	14	BDL	Cloudy / Rainy sky windy
23-09-2022	24-09-2022	282	184	54	16	11	Cloudy / Rainy sky windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PATALA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	290	192	62	14	BDL	Cloudy Sky / Lightbreeze
22-09-2022	23-09-2022	272	162	52	15	BDL	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


PRIMARY HEALTH CENTRE, MAJRI BASTI MMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03-09-2022	04-09-2022	136	72	24	12	BDL	Cloudy / Rainy sky windy
23-09-2022	24-09-2022	156	86	32	12	BDL	Cloudy / Rainy sky windy
NAAQS, 2009		-	100	60	80	80	

KUCHANA COLONY MMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	125	70	28	12	BDL	Cloudy Sky / Lightbreeze
03-09-2022	04-09-2022	136	76	30	12	BDL	Cloudy Sky / Lightbreeze
08-09-2022	09-09-2022	158	86	34	11	BDL	Cloudy Sky / Moderatbreeze
09-09-2022	10-09-2022	120	60	24	12	BDL	Clear Sky / Windy
22-09-2022	23-09-2022	112	58	20	11	BDL	Clear Sky / Calm
23-09-2022	24-09-2022	136	64	30	13	BDL	Cloudy Sky / Lightbreeze
28-09-2022	29-09-2022	142	78	22	12	BDL	Clear Sky / Windy
29-09-2022	30-09-2022	150	84	28	11	BDL	Clear Sky / Windy
NAAQS, 2009		-	100	60	80	80	



Analysed by



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022


MINE WATER DISCHARGE: MMOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-09-2022	7.82	44	52	BDL
28-09-2022	7.45	32	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: MMOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-09-2022	8.2	36	56	BDL
28-09-2022	7.91	42	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: MMOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
03-09-2022	44	10.2
28-09-2022	32	12.4
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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**NOISE LEVEL MONITORING DATA**

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

FIELD MINE SHED:		MMON1	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-2022	62.3	61.1
SEP'22	26-09-2022	55.9	54.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		<b>75</b>	<b>70</b>

KUCHNA COLONY:		MMON2	
MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)	
	COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-2022	46.7	45.8
SEP'22	26-09-2022	46.3	45.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# NEW MAJRI UG TO OC

MAJRI AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4634420034



SEP - 2022

**Environment Laboratory**

**CMPDI**

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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TEST REPORT NO.	RIN/TR/SEP-22/50	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

PATALA MAGAZINE MMUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
02-09-2022	03-09-2022	290	192	62	14	BDL	Cloudy Sky / Lightbreeze
22-09-2022	23-09-2022	272	162	52	15	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
02-09-2022	03-09-2022	276	162	60	14	BDL	Cloudy Sky / Lightbreeze
22-09-2022	23-09-2022	282	176	64	16	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
02-09-2022	03-09-2022	270	189	56	14	BDL	Cloudy Sky / Lightbreeze
22-09-2022	23-09-2022	245	162	50	13	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	No <sub>2</sub>	So <sub>2</sub>	
03-09-2022	04-09-2022	125	72	28	12	BDL	Cloudy Sky / Lightbreeze
23-09-2022	24-09-2022	108	62	32	12	BDL	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.08.2022 TO 15.10.2022

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
03-09-2022	7.74	32	44	BDL
23-09-2022	7.82	40	52	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
03-09-2022	7.62	44	56	BDL
23-09-2022	7.79	48	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP: MMUW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
03-09-2022	44	12.9
23-09-2022	32	9.2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	100	30

  
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**NOISE LEVEL MONITORING DATA**

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

<b>PIT OFFICE:</b>		<b>MMUN1</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-2022	59.9	58.4
SEP'22	26-09-2022	56.4	55.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(MAJRI UG TO OC):</b>		<b>MMUN2</b>	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-2022	45.7	44.3
SEP'22	26-09-2022	45.2	44.1
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# YEKONA I & II OC

MAJRI AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4634420034



SEP - 2022

Environment Laboratory  
CMPDI  
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/52	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

PIT OFFICE MYOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
04-09-2022	05-09-2022	296	189	52	16	BDL	Cloudy Sky / Moderatebreeze
24-09-2022	25-09-2022	264	172	44	12	BDL	Clear Sky / Rainy Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	60	120	120	

PENZURNI VILLAGE MYOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
04-09-2022	05-09-2022	142	82	28	12	BDL	Cloudy Sky / Moderatebreeze
24-09-2022	25-09-2022	130	76	24	11	BDL	Clear Sky / Rainy Windy
NAAQS, 2009		-	100	60	80	80	

ASHTI VILLAGE MYOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
04-09-2022	05-09-2022	123	70	30	12	BDL	Cloudy Sky / Moderatebreeze
24-09-2022	25-09-2022	146	82	36	11	BDL	Clear Sky / Rainy Windy
NAAQS, 2009		-	100	60	80	80	

DANDGAON VILLAGE MYOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
08-09-2022	09-09-2022	112	52	24	12	BDL	Cloudy Sky / Moderatebreeze
28-09-2022	29-09-2022	119	59	22	12	BDL	Clear Sky / Windy
NAAQS, 2009		-	100	60	80	80	

HIWRA MAJRA VILLAGE MYOA5							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
08-09-2022	09-09-2022	126	62	20	13	BDL	Cloudy Sky / Moderatebreeze
28-09-2022	29-09-2022	112	58	26	12	BDL	Clear Sky / Windy
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5   PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: YEKONA I OC : MYOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-09-2022	7.51	36	52	BDL
24-09-2022	7.62	40	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE: YEKONA II OC : MYOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-09-2022	7.94	28	36	BDL
24-09-2022	7.72	32	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP : MYOW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
04-09-2022	8.20	36	56	BDL
24-09-2022	7.72	40	60	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)TREATED: MYOW4		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
04-09-2022	34	10.4
24-09-2022	32	10.2
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

PIT OFFICE MYON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-2022	61.7	60.8
SEP'22	26-09-2022	57.8	56.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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## ENVIRONMENTAL MONITORING REPORT

# ADASA UG

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



SEP - 2022

Environment Laboratory  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/1	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

PROJECT MANAGER OFFICE   NAUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03-09-2022	04-09-2022	326	197	56	26	14	Clear Sky / Lightbreeze
29-09-2022	30-09-2022	304	183	52	24	13	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

AT PATHAKHAKHEDI G.P OFFICE   NAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03-09-2022	04-09-2022	158	84	37	23	BDL	Clear Sky / Lightbreeze
29-09-2022	30-09-2022	150	79	34	20	BDL	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

COLONY WATER FILTER PLANT   NSNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	134	52	27	19	BDL	Clear Sky / Lightbreeze
19-09-2022	20-09-2022	127	50	24	17	BDL	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

KOTODI VILLAGE   NSNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	129	53	28	16	BDL	Clear Sky / Lightbreeze
19-09-2022	20-09-2022	120	51	25	14	BDL	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE: NAUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	12-09-2022	69.5	68.7
SEP'22	28-09-2022	69.5	68.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

MANAGER OFFICE: NAUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	12-09-2022	56.2	55.4
SEP'22	28-09-2022	56.2	55.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

70

COLONY (SAONER): NAUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	12-09-2022	42.2	42.5
SEP'22	28-09-2022	42.3	41.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# BHANEGOAN OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/2	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

NEAR MANAGER OFFICE   NBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	335	189	58	25	14	Cloudy / Calm
27-09-2022	28-09-2022	321	176	54	23	12	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

BINA SANGAM TEMPLE   NBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	167	75	34	18	BDL	Cloudy / Calm
27-09-2022	28-09-2022	159	69	31	16	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

BINA VILLAGE   NBOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	125	68	27	13	BDL	Cloudy / Calm
27-09-2022	28-09-2022	116	63	23	12	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

DORLI VILLAGE   NBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	128	51	32	13	BDL	Cloudy / Calm
28-09-2022	29-09-2022	119	46	27	12	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

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
12-09-2022	8.09	16	44	BDL
27-09-2022	8.02	18	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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**NOISE LEVEL MONITORING DATA**

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

CONTRACTOR CAMP		NBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	12-09-2022	67.4	66.7
SEP'22	28-09-2022	56.4	55.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

# GONDEGAON OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/SEP-22/3	DATE OF ISSUE	30.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

NEAR SUBSTATION NGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	306	165	52	23	13	Cloudy / Calm
26-09-2022	27-09-2022	294	159	47	21	12	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

GONDEGAON VILLAGE SCHOOL NGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	116	53	25	16	BDL	Cloudy / Calm
27-09-2022	28-09-2022	109	48	22	14	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

GUEST HOUSE/FILTER PLANT NGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	154	69	37	19	BDL	Cloudy / Calm
26-09-2022	27-09-2022	149	64	34	16	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

GHATROHNA VILLAGE NGOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	126	61	28	17	BDL	Cloudy / Calm
27-09-2022	28-09-2022	117	56	25	15	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

*K. Nelli*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

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
11-09-2022	8.03	28	80	BDL
26-09-2022	7.88	30	68	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
11-09-2022	7.71	14	36	BDL
26-09-2022	8.33	18	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-7102
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**NOISE LEVEL MONITORING DATA**

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

CHP NGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	66.3	65.6
SEP'22	28-09-2022	66.3	65.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

GONDEGAON VILLAGE NGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	42.4	41.7
SEP'22	28-09-2022	42.4	41.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

GHATROHNA VILLAGE: NGON3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	42.2	41.3
SEP'22	28-09-2022	42.2	41.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

JUNI KAMPTEE VILLAGE: NGON4			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	42.4	41.6
SEP'22	28-09-2022	42.5	41.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# INDER UG TO OC

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>		 TC-7102	
TEST REPORT NO.	RIN/TR/SEP-22/4	DATE OF ISSUE	28.10.2022		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE		SAMPLING PLAN :	LQR 47	
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			15/09/22 TO 15/10/22	

NEAR PIT NO.6 / MANAGER OFFICE NIOA1							
DATE(dd:mm:yy)OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	268	173	58	24	12	Cloudy sky / Calm
25-09-2022	26-09-2022	261	167	51	22	11	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

CMPDI TEKADI STORE NIOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	247	156	45	21	11	Cloudy sky / Calm
25-09-2022	26-09-2022	240	151	41	20	10	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	138	64	32	17	BDL	Cloudy sky / Calm
26-09-2022	27-09-2022	132	61	27	15	BDL	Cloudy sky / Calm
NAAQS, 2009		-	100	60	80	80	

G.P. OFFICE KANDRI VILLAGE NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	119	57	25	15	BDL	Cloudy sky / Calm
26-09-2022	27-09-2022	113	54	22	14	BDL	Cloudy sky / Calm
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE DISCHARGE:		NIOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-09-2022	7.89	18	40	BDL
25-09-2022	7.75	16	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*K. Mallik*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

PROJECT OFFICE: NION1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	54.3	53.6
SEP'22	28-09-2022	54.2	53.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

# KAMPTEE DEEP OC

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/5	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

SUBSTATION NKCA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	336	174	56	24	13	Cloudy / Calm
25-09-2022	26-09-2022	321	169	53	22	12	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

JUNI KAMPTEE VILLAGE NKCA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	125	58	31	18	BDL	Cloudy / Calm
25-09-2022	26-09-2022	120	54	28	16	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

COLONY WATER TREATMENT PLANT NKCA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	138	64	32	17	BDL	Cloudy / Calm
26-09-2022	27-09-2022	132	61	27	15	BDL	Cloudy / Calm
		-	100	60	80	80	

G.P. OFFICE KANDRI VILLAGE NKCA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	119	57	25	15	BDL	Cloudy / Calm
26-09-2022	27-09-2022	113	54	22	14	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE DISCHARGE: NKCW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
10-09-2022	8.2	42	104	BDL
25-09-2022	7.85	38	96	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

<b>CHP: NKC1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	66.2	65.5
SEP'22	28-09-2022	66.2	65.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(KAMPTEE): NKC2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	42.3	41.4
SEP'22	28-09-2022	42.3	41.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# PATANSAONGI UG

NAGPUR AREA

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/6	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : L SOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

COLLIERY MANAGER OFFICE   NPTUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	316	181	53	23	12	Cloudy Sky / Calm
18-09-2022	19-09-2022	307	176	49	22	11	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SADBHAVAN NAGAR (FILTER PLANT)   NPTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	147	59	34	20	BDL	Cloudy Sky / Calm
18-09-2022	19-09-2022	138	52	32	18	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

NEAR LCH QR.   NPTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	163	73	38	19	BDL	Cloudy Sky / Calm
18-09-2022	19-09-2022	156	69	35	17	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	

SAVARMENDHA VILLAGE.   NPTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	125	52	25	15	BDL	Cloudy Sky / Calm
18-09-2022	19-09-2022	118	49	22	13	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE DISCHARGE: NPTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
06-09-2022	8.22	18	48	BDL
17-09-2022	8.1	20	52	BDL
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-7182
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**NOISE LEVEL MONITORING DATA**

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

CHP: NPTUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	67.2	66.5
SEP'22	28-09-2022	67.2	66.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY: NPTUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	42.3	41.6
SEP'22	28-09-2022	42.4	41.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# PIPLA UG

NAGPUR AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4634420034



SEP - 2022

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/7	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22


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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-2022	06-09-2022	325	176	51	24	13	Cloudy sky / Calm
17-09-2022	18-09-2022	314	163	46	22	12	Cloudy sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-2022	06-09-2022	257	151	41	20	BDL	Cloudy sky / Calm
17-09-2022	18-09-2022	246	143	37	18	BDL	Cloudy sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-2022	06-09-2022	128	54	26	18	BDL	Cloudy sky / Calm
17-09-2022	18-09-2022	121	52	24	16	BDL	Cloudy sky / Windy
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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-2022	06-09-2022	119	63	32	15	BDL	Cloudy sky / Calm
17-09-2022	18-09-2022	108	59	29	14	BDL	Cloudy sky / Windy
NAAQS, 2009		-	100	60	80	80	

  
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE: NPUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	60.2	59.3
SEP'22	28-09-2022	60.2	59.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

### SAONER UG

NAGPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4634420034



SEP - 2022

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/8	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : L SOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

C.M OFFICE-SAONER-I UG NSNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	308	169	52	26	14	Clear Sky / Lightbreeze
19-09-2022	20-09-2022	297	158	48	24	13	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

C.M OFFICE-SAONER-II UG NSNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	247	159	48	23	12	Clear Sky / Lightbreeze
19-09-2022	20-09-2022	232	150	42	21	11	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY WATER FILTER PLANT NSNU3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	134	52	27	19	BDL	Clear Sky / Lightbreeze
19-09-2022	20-09-2022	127	50	24	17	BDL	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

KOTODI VILLAGE NSNU4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	129	53	28	16	BDL	Clear Sky / Lightbreeze
19-09-2022	20-09-2022	120	51	25	14	BDL	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE I UG: NSNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-09-2022	7.93	12	36	BDL
19-09-2022	7.97	14	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE II UG: NSNUW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-09-2022	7.96	20	48	BDL
19-09-2022	8.11	16	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

MINE WATER DISCHARGE III UG: NSNUW3				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
02-09-2022	8.01	16	48	BDL
19-09-2022	7.91	14	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE-I: NSNUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	12-09-2022	69.3	68.5
SEP'22	28-09-2022	69.3	68.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

FAN HOUSE-II: NSNUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	12-09-2022	69.4	68.6
SEP'22	28-09-2022	69.4	68.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

FAN HOUSE-III: NSNUN3		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	12-09-2022	69.2	68.4
SEP'22	28-09-2022	69.2	68.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY: NSNUN4		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	12-09-2022	42.2	42.5
SEP'22	28-09-2022	42.3	41.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# SILEWARA UG

NAGPUR AREA

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/9	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

WATER FILTER FLANT NSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
14-09-2022	15-09-2022	309	168	59	24	13	Cloudy / Calm
29-09-2022	30-09-2022	301	160	52	22	12	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

V.T.C. SILEWARA NSUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
14-09-2022	15-09-2022	239	154	49	23	10	Cloudy / Calm
29-09-2022	30-09-2022	227	146	43	21	11	Cloudy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MANDIR NEAR KANHAN RIVER NSUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
14-09-2022	15-09-2022	131	57	30	15	BDL	Cloudy / Calm
29-09-2022	30-09-2022	124	51	26	13	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

CHANKAPUR PUMP HOUSE/ COLONY NSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
14-09-2022	15-09-2022	135	50	28	13	BDL	Cloudy / Calm
29-09-2022	30-09-2022	127	46	25	12	BDL	Cloudy / Calm
NAAQS, 2009		-	100	60	80	80	

*K. Malli*

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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

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
14-09-2022	7.78	28	72	BDL
29-09-2022	7.97	24	64	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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**NOISE LEVEL MONITORING DATA**

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

<b>FAN HOUSE: NSUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	69.2	68.4
SEP'22	28-09-2022	69.2	68.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(SILEWARA): NSUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	42.4	41.6
SEP'22	28-09-2022	42.3	41.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# SINGORI OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/10	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

CONTRACTOR CAMP  NSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	324	175	58	23	13	Cloudy Sky / Calm
28-09-2022	29-09-2022	313	164	54	22	12	Cloudy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SOHALI VILLAGE  NSOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	141	56	31	15	BDL	Cloudy Sky / Calm
28-09-2022	29-09-2022	134	52	28	13	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

HINGNA VILLAGE  NSOA3							
DATE(dd:mm:yy) OF SAMPLING		SPM					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	139	67	33	16	BDL	Cloudy Sky / Calm
28-09-2022	29-09-2022	132	64	30	15	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

DORLI VILLAGE  NBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	128	51	32	13	BDL	Cloudy Sky / Calm
28-09-2022	29-09-2022	119	46	27	12	BDL	Cloudy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: NSOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
13-09-2022	8.05	22	52	BDL
28-09-2022	8.25	16	40	BDL
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>



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**NOISE LEVEL MONITORING DATA**

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

<b>CONTRACTOR CAMP: NSON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	56.4	55.7
SEP'22	28-09-2022	55.3	54.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>SOHALI VILLAGE: NSON2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	42.2	41.3
SEP'22	28-09-2022	42.4	41.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>

<b>NEAR DRILING SITE: NSON3</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	67.3	66.5
SEP'22	28-09-2022	65.2	64.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>NEAR DOSING SITE: NSON4</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	12-09-2022	66.2	65.6
SEP'22	28-09-2022	66.3	65.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

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WESTERN COALFIELDS LTD.

JOB NO. 4634420034




SEP - 2022

Environment Laboratory

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/11	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22


MANAGER OFFICE   UM30A1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
06-09-2022	07-09-2022	268	165	42	14	BDL	Sunny Sky / Lightbreeze
21-09-2022	22-09-2022	298	187	59	16	11	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

NEAR RLY. WEIGHT BRIDGE   UM30A2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
04-09-2022	05-09-2022	321	274	58	14	BDL	Cloudy Sky / Windy
20-09-2022	21-09-2022	274	176	39	12	BDL	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PIPARDOL VILLAGE   UM30A3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
06-09-2022	07-09-2022	124	69	32	12	BDL	Cloudy Sky / Windy
21-09-2022	22-09-2022	136	78	28	11	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	

WELSAKARA VILLAGE   UM30A4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
06-09-2022	07-09-2022	104	64	26	12	BDL	Cloudy Sky / Windy
21-09-2022	22-09-2022	126	74	28	12	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

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
06-09-2022	7.72	36	44	BDL
21-09-2022	7.54	30	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP: UM3OW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-09-2022	7.91	34	52	BDL
21-09-2022	7.86	42	56	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

PIT OFFICE		UGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'2022	06-09-2022	55.4	54.7
SEP'2022	26-09-2022	56.3	55.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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## ENVIRONMENTAL MONITORING REPORT

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/12	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

CONTRACTOR CAMP UGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	302	184	56	14	BDL	Sunny Sky / Lightbreeze
17-09-2022	18-09-2022	298	196	62	16	BDL	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	126	74	36	12	BDL	Sunny Sky / Lightbreeze
03-09-2022	04-09-2022	108	70	30	11	BDL	Rainy / Windy
08-09-2022	09-09-2022	112	60	24	12	BDL	Sunny Sky / Lightbreeze
09-09-2022	10-09-2022	136	82	40	13	BDL	Rainy / Windy
16-09-2022	17-09-2022	152	86	41	11	BDL	Sunny Sky / Lightbreeze
17-09-2022	18-09-2022	134	69	32	12	BDL	Rainy / Windy
23-09-2022	24-09-2022	129	70	28	11	BDL	Sunny Sky / Lightbreeze
24-09-2022	25-09-2022	112	64	30	11	BDL	Rainy / Windy
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

NAND VILLAGE UGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	110	60	28	12	BDL	Sunny Sky / Lightbreeze
03-09-2022	04-09-2022	108	82	30	13	BDL	Rainy / Windy
08-09-2022	09-09-2022	142	80	36	12	BDL	Sunny Sky / Lightbreeze
09-09-2022	10-09-2022	136	72	32	13	BDL	Rainy / Windy
16-09-2022	17-09-2022	129	68	26	12	BDL	Sunny Sky / Lightbreeze
17-09-2022	18-09-2022	120	70	24	11	BDL	Rainy / Windy
23-09-2022	24-09-2022	143	72	28	10	BDL	Sunny Sky / Lightbreeze
24-09-2022	25-09-2022	153	86	30	11	BDL	Rainy / Windy
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

POLGAON VILLAGE		UGOA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
02-09-2022	03-09-2022	136	77	34	12	BDL	Sunny Sky / Lightbreeze
03-09-2022	04-09-2022	145	89	40	13	BDL	Rainy / Windy
08-09-2022	09-09-2022	143	80	31	14	BDL	Sunny Sky / Lightbreeze
09-09-2022	10-09-2022	149	86	26	12	BDL	Rainy / Windy
16-09-2022	17-09-2022	132	60	28	11	BDL	Sunny Sky / Lightbreeze
17-09-2022	18-09-2022	128	68	30	12	BDL	Rainy / Windy
23-09-2022	24-09-2022	136	74	32	13	BDL	Sunny Sky / Lightbreeze
24-09-2022	25-09-2022	120	72	34	12	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80		



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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022


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
09-09-2022	7.62	34	44	BDL
23-09-2022	7.74	38	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(WORKSHOP): UGOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-09-2022	7.52	40	52	BDL
23-09-2022	7.6	44	60	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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**NOISE LEVEL MONITORING DATA**

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

PIT OFFICE: UGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'2022	06-09-2022	54.3	53.5
SEP'2022	26-09-2022	55.2	54.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

CONTRACTOR CAMP: UGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'2022	06-09-2022	57.2	56.5
SEP'2022	26-09-2022	57.2	56.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

# MAKARDHOKRA-II OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

Environment Laboratory

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/14	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

NEAR MANAGER OFFICE		UMOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	292	179	62	16	12	Cloudy / Windy
19-09-2022	20-09-2022	265	156	54	17	11	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


SAM OFFICE		UMOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-2022	06-09-2022	276	182	60	14	BDL	Cloudy / Windy
20-09-2022	21-09-2022	284	176	56	16	BDL	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

KANWA VILLAGE		UMOA3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	156	84	31	12	BDL	Cloudy / Windy
24-09-2022	25-09-2022	132	64	30	14	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	

NEAR PUMP HOUSE COLONY		UMOA4					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	150	86	34	12	BDL	Cloudy / Windy
16-09-2022	17-09-2022	136	72	28	14	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	



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**NOISE LEVEL MONITORING DATA**

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

NEAR PIT OFFICE: UMON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	DAY TIME
		<b>20</b>	<b>20</b>
SEP'22	06-09-2022	55.3	54.5
SEP'22	26-09-2022	55.4	54.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

# MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




SEP - 2022

Environment Laboratory

**CMPDI**

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/34	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	276	172	48	14	BDL	Clear sky / Lightbreeze
19-09-2022	20-09-2022	282	192	56	16	11	Clear sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	125	74	30	12	BDL	Cloudy sky / windy
19-09-2022	20-09-2022	146	80	34	13	BDL	Rainy / windy
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-2022	06-09-2022	146	85	30	12	BDL	Cloudy sky / windy
20-09-2022	21-09-2022	132	79	27	13	BDL	Rainy / windy
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-2022	06-09-2022	115	65	26	12	BDL	Cloudy sky / windy
20-09-2022	21-09-2022	126	70	32	14	BDL	Rainy / windy
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-2022	06-09-2022	120	74	28	12	BDL	Cloudy sky / windy
20-09-2022	21-09-2022	112	62	24	12	BDL	Rainy / windy
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

<b>MINE WATER DISCHARGE: UM10W1</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-09-2022	7.72	36	52	BDL
20-09-2022	7.42	26	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

<b>ETP: UM10W2</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-09-2022	7.8	40	60	BDL
20-09-2022	7.92	46	64	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

  
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**NOISE LEVEL MONITORING DATA**

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

PIT OFFICE: UM10N1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'2022	06-09-2022	54.4	53.6
SEP'2022	26-09-2022	56.2	55.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

SIRPUR VILLAGE: UM10N2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'2022	06-09-2022	42.5	41.7
SEP'2022	26-09-2022	42.4	41.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

HEOTI VILLAGE: UM10N3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'2022	06-09-2022	42.3	41.6
SEP'2022	26-09-2022	42.3	41.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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## ENVIRONMENTAL MONITORING REPORT

# MORPAR UG

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/15	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
07-09-2022	08-09-2022	240	156	52	14	10	Cloudy sky / Windy
22-09-2022	23-09-2022	272	179	62	16	11	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

NEAR MAGAZINE BUILDING UMUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
07-09-2022	08-09-2022	236	146	52	14	BDL	Cloudy sky / Windy
22-09-2022	23-09-2022	259	165	58	12	BDL	Rainy / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY (MURPAR UG) UMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
07-09-2022	08-09-2022	132	72	32	12	BDL	Cloudy sky / Windy
22-09-2022	23-09-2022	156	86	36	11	BDL	Rainy / 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
07-09-2022	08-09-2022	146	80	32	12	BDL	Cloudy sky / Windy
22-09-2022	23-09-2022	130	70	36	12	BDL	Rainy / Windy
NAAQS, 2009		-	100	60	80	80	



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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

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
07-09-2022	7.72	36	44	BDL
23-09-2022	8.01	40	60	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		UMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	Night time
	DETECTION LIMIT	20	20
SEP'2022	06-09-2022	69.3	68.6
SEP'2022	27-09-2022	69.5	68.7
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	20
SEP'2022	06-09-2022	42.4	41.7
SEP'2022	27-09-2022	42.2	41.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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## ENVIRONMENTAL MONITORING REPORT

### UMRER OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




SEP - 2022

Environment Laboratory

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/16	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	15/09/22 TO 15/10/22	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	296	180	64	15	12	Cloudy Sky / Calm
23-09-2022	24-09-2022	272	162	60	12	BDL	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03-09-2022	04-09-2022	276	172	60	12	BDL	Cloudy Sky / Calm
17-09-2022	18-09-2022	284	182	52	14	BDL	Cloudy sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	156	84	31	12	BDL	Cloudy Sky / Calm
24-09-2022	25-09-2022	132	64	30	14	BDL	Cloudy sky / Calm
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	150	86	34	12	BDL	Cloudy Sky / Calm
16-09-2022	17-09-2022	136	72	28	14	BDL	Cloudy sky / Calm
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

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
09-09-2022	7.62	18	36	BDL
23-09-2022	7.52	28	44	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
09-09-2022	7.61	42	64	BDL
23-09-2022	7.72	36	52	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
09-09-2022	44	13.2
23-09-2022	36	12.1
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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**NOISE LEVEL MONITORING DATA**

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

CHP: <b>UUON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
	SEP'2022	06-09-2022	67.3
SEP'2022	26-09-2022	67.3	66.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		75	70

COLONY: <b>UUON2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A) DAY TIME	NOISE LEVEL IN dB(A) NIGHT TIME
	DETECTION LIMIT	20	20
	SEP'2022	06-09-2022	42.2
SEP'2022	26-09-2022	42.4	41.6
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		55	45



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## ENVIRONMENTAL MONITORING REPORT

# GHUGUS OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/17	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	210	133	48	10	BDL	CLEAR SKY / CALM
24-09-2022	25-09-2022	218	120	52	10	BDL	CLEAR SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	236	144	50	8	BDL	RAINY SKY / CALM
25-09-2022	26-09-2022	228	150	56	9	BDL	RAINY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	114	62	29	12	10	CLEAR SKY / CALM
24-09-2022	25-09-2022	104	58	32	10	10	CLEAR SKY / CALM
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	110	58	30	16	12	RAINY SKY / CALM
25-09-2022	26-09-2022	108	60	36	14	12	RAINY SKY / CALM
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7162
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**NOISE LEVEL MONITORING DATA**

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

<b>CHP: WGON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	08-09-2022	66.6	64.5
SEP'22	26-09-2022	65.5	63.1
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(GHUGUS): WGON2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	08-09-2022	44.5	43.6
SEP'22	26-09-2022	62.4	57.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# KOLGAON OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




SEP - 2022

Environment Laboratory

**CMPDI**

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/18	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

MANAGER OFFICE   WKOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
06-09-2022	07-09-2022	236	158	60	20	14	Rainy Calm / Calm
23-09-2022	24-09-2022	228	152	64	18	14	Rainy Calm / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE   WMOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
07-09-2022	08-09-2022	260	154	62	18	16	Clear Sky / Calm
24-09-2022	25-09-2022	242	148	68	16	14	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

KOLGAON VILLAGE   WKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
06-09-2022	07-09-2022	112	60	30	12	10	Rainy Calm / Calm
23-09-2022	24-09-2022	106	64	30	12	BDL	Rainy Calm / Calm
NAAQS, 2009		-	100	60	80	80	

KAILSHNAGAR TOWNSHIP - FILTER PLANT   WMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
06-09-2022	07-09-2022	116	62	26	20	16	Rainy Calm / Calm
23-09-2022	24-09-2022	102	54	28	18	12	Rainy Calm / Calm
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

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
06-09-2022	7.93	30	28	BDL
23-09-2022	7.86	14	28	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

<b>MANAGER OFFICE: WKON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-2022	55.6	53.4
SEP'22	26-09-2022	57.7	52.1
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(MUNGOLI): WKON2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-2022	44.3	42.7
SEP'22	26-09-2022	62.3	43.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# MUGOLI OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

Environment Laboratory

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/19	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

SUBSTATION WMOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	250	140	42	10	BDL	Rainy Sky / Calm
23-09-2022	24-09-2022	230	132	48	10	BDL	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	260	154	62	18	16	Clear Sky / Calm
24-09-2022	25-09-2022	242	148	68	16	14	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

KAILSHNAGAR TOWNSHIP - FILTER PLANT WMOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	116	62	26	20	16	Rainy Sky / Calm
23-09-2022	24-09-2022	102	54	28	18	12	Rainy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

TUBEWELL NEAR SAKHARA VILLAGE WMOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	122	68	26	16	12	Clear Sky / Calm
24-09-2022	25-09-2022	120	70	32	14	10	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5   PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

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
06-09-2022	7.38	38	48	BDL
23-09-2022	7.13	24	16	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
06-09-2022	7.12	32	44	BDL
23-09-2022	7.07	42	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

CHP: WMON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	08-09-2022	66.5	64.4
SEP'22	26-09-2022	68.2	63.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(MUNGOLI): WMON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	08-09-2022	44.3	42.7
SEP'22	26-09-2022	62.3	43.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

### NAIGAON OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




SEP - 2022

Environment Laboratory

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/20	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	15/09/22 TO 15/10/22	

SAM OFFICE   WNGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	260	150	58	16	14	Clear Sky / Calm
25-09-2022	26-09-2022	240	156	52	16	10	Rainy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

WORKSHOP ETP NOCM   WNOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	010-09-2022	270	160	52	18	12	Clear Sky / Calm
26-09-2022	27-09-2022	244	168	46	14	12	Rainy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E),		600	300	60	120	120	

BELLORA REHABILITATION VILLAGE   WNGOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	118	62	30	20	16	Rainy Sky / Calm
25-09-2022	26-09-2022	116	66	26	22	14	Rainy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

FILTER PLANT NEAR VIP GUEST HOUSE   WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	128	70	40	14	10	Rainy Sky / Calm
25-09-2022	26-09-2022	130	74	38	16	12	Rainy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)
SAMPLING METHOD	LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: WNGOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
08-09-2022	3.26	60	24	BDL
23-09-2022	3.23	50	24	BDL
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

CHP: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
SEP'22	08-09-2022	65.7	63.5
SEP'22	26-09-2022	67.3	62.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(GHUGUS): WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
SEP'22	08-09-2022	44.5	43.6
SEP'22	26-09-2022	42.4	41.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# NILJAI DEEP OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

Environment Laboratory

**CMPDI**

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

AN ISO 9001:2015 COMPANY



<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/21	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM <sub>5</sub>	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	NO <sub>2</sub> <sub>6</sub>	SO <sub>2</sub> <sub>10</sub>	
09-09-2022	10-09-2022	224	142	46	8	BDL	Clear Sky / Calm
26-09-2022	27-09-2022	228	152	50	10	BDL	Rainy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM <sub>5</sub>	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	NO <sub>2</sub> <sub>6</sub>	SO <sub>2</sub> <sub>10</sub>	
09-09-2022	10-09-2022	270	160	52	18	12	Clear Sky / Calm
26-09-2022	27-09-2022	244	168	46	14	12	Rainy Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM <sub>5</sub>	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	NO <sub>2</sub> <sub>6</sub>	SO <sub>2</sub> <sub>10</sub>	
09-09-2022	10-09-2022	125	70	30	18	16	Clear Sky / Calm
26-09-2022	27-09-2022	114	56	26	16	14	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 <sub>5</sub>	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	NO <sub>2</sub> <sub>6</sub>	SO <sub>2</sub> <sub>10</sub>	
09-09-2022	10-09-2022	120	64	26	14	10	Clear Sky / Calm
26-09-2022	27-09-2022	128	70	30	18	14	Rainy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: WNOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-09-2022	4.43	42	52	BDL
22-09-2022	3.66	12	60	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP(NILJAI-S)TREATED WATER: WNOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-09-2022	7.13	40	48	BDL
26-09-2022	7.14	18	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

STP(DOMESTIC EFFLUENT)T.WATER: WNOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
DETECTION LIMIT	10	2
09-09-2022	48	10.2
22-09-2022	38	16
GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993	100	30



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

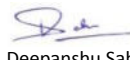
CHP-NILJAI: WNON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-2022	64.4	62.3
SEP'22	26-09-2022	67.5	65.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

CHP-NILJAI(S): WNON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-2022	65.3	63.2
SEP'22	26-09-2022	64.7	63.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(NILJAI): WNON3			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-2022	43.4	42.2
SEP'22	26-09-2022	42.8	41.1
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



Ashwin B Wasnik  
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## ENVIRONMENTAL MONITORING REPORT

# PENGANGA OC

WANI AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




SEP - 2022

Environment Laboratory

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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/22	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

MANAGER OFFICE   WPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-09-2022	06-09-2022	220	144	50	16	12	Rainy / Calm
22-09-2022	23-09-2022	210	150	58	16	14	Rainy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

NEAR MINE   WPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-09-2022	06-09-2022	270	162	66	18	14	Rainy / Calm
22-09-2022	23-09-2022	268	166	60	18	12	Rainy / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

VIRUR VILLAGE   WPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-09-2022	06-09-2022	112	58	30	14	12	Rainy / Calm
22-09-2022	23-09-2022	110	68	38	12	10	Rainy / Calm
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

GADEGAON VILLAGE   WPOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-09-2022	06-09-2022	118	62	28	12	10	Rainy / Calm
22-09-2022	23-09-2022	100	56	36	BDL	10	Rainy / Calm
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

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
05-09-2022	7.73	24	36	BDL
22-09-2022	7.56	32	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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**NOISE LEVEL MONITORING DATA**

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

<b>NEAR WORKSHOP: WPON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-2022	60.7	58.1
SEP'22	26-09-2022	56.6	54.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
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## ENVIRONMENTAL MONITORING REPORT

### GHONSA OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

Environment Laboratory

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/23	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	200	106	50	20	14	Cloudy Sky / Calm
26-09-2022	27-09-2022	180	98	52	18	10	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


SAM OFFICE/ CANTEEN   WNKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	196	104	46	22	16	Cloudy Sky / Calm
26-09-2022	27-09-2022	210	120	40	14	12	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

GHONSA VILLAGE   WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	120	64	40	8	BDL	Cloudy Sky / Calm
26-09-2022	27-09-2022	128	77	44	12	BDL	Cloudy Sky / Lightbreeze
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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	210	134	32	16	12	Cloudy Sky / Calm
26-09-2022	27-09-2022	200	130	28	18	12	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

<b>MINE WATER DISCHARGE: WNGOW1</b>				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-09-2022	7.52	70	56	BDL
26-09-2022	7.88	42	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-5102
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**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE: WNGON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	09-09-2022	59.8	57.4
SEP'22	27-09-2022	57.4	56.1
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY (GHONSA) WNGON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	09-09-2022	45.7	44.5
SEP'22	27-09-2022	47.8	46.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



Ashwin B Wasnik  
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TEST REPORT NO.	RIN/TR/SEP-22/24	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

SAM OFFICE   WNJOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-09-2022	06-09-2022	190	108	72	14	12	Cloudy Sky / Moderate Breeze
25-09-2022	26-09-2022	158	100	80	20	14	Cloudy Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

BORGAON VILLAGE   WNJOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-09-2022	06-09-2022	140	82	40	10	BDL	Cloudy Sky / Moderate Breeze
25-09-2022	26-09-2022	114	76	46	10	BDL	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	

BHALAR TOWNSHIP   WNJOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
04-09-2022	05-09-2022	128	70	32	14	12	Clear Sky / Calm
21-09-2022	22-09-2022	108	60	30	12	10	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

UKNI VILLAGE   WNJOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
04-09-2022	05-09-2022	116	64	30	16	12	Clear Sky / Calm
21-09-2022	22-09-2022	118	76	32	14	12	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

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
05-09-2022	7.56	28	44	BDL
26-09-2022	7.7	22	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

ETP DISCHARGE: WNJOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-09-2022	7.94	60	32	BDL
26-09-2022	7.54	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE: WNJON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	09-09-2022	54.6	52.6
SEP'22	16-09-2022	55.5	52.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

BHALAR COLONY: WNJON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	09-09-2022	44.6	43
SEP'22	16-09-2022	43.6	42
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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**ENVIRONMENTAL MONITORING REPORT**

**KOLARPIMPRI OC**

WANI NORTH AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4634420034



SEP - 2022



**Environment Laboratory**


**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/25	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

SUBSTATION KOLARPIMPRI   WNKO1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-22	05-09-22	175	90	42	18	14	Clear Sky / Calm
21-09-22	22-09-22	162	94	52	16	12	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


REST SHELTER   WNKO2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
03-09-22	04-09-22	196	112	50	20	16	Clear Sky / Calm
20-09-22	21-09-22	200	110	48	18	14	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PIMPRI VILLAGE   WNKO3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-22	03-09-22	115	60	30	14	10	Clear Sky / Calm
19-09-22	20-09-22	112	66	26	12	10	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

WATER FILTER FLANT   WNPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-22	06-09-22	200	102	36	14	12	Cloudy Sky / Moderate Breeze
25-09-22	26-09-22	206	120	32	16	12	Cloudy Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: WNKOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
03-09-22	7.02	36	64	BDL
20-09-22	6.78	34	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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**NOISE LEVEL MONITORING DATA**

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

CHP: WNKON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-22	65.7	66
SEP'22	26-09-22	67.7	65
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	08-09-22	45.4	43.6
SEP'22	26-09-22	47.4	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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## ENVIRONMENTAL MONITORING REPORT

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WANI NORTH AREA

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-702
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TEST REPORT NO.	RIN/TR/SEP-22/26	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

PROJECT MANAGER OFFICE   WNKUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
06-09-2022	07-09-2022	200	106	50	20	14	Cloudy Sky / Calm
26-09-2022	27-09-2022	180	98	52	18	10	Cloudy / Moderatebreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE/ CANTEEN   WNKUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
06-09-2022	07-09-2022	196	104	46	22	16	Cloudy Sky / Calm
26-09-2022	27-09-2022	210	120	40	14	12	Cloudy / Moderatebreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

GUEST HOUSE/ COLONY   WNKUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
06-09-2022	07-09-2022	210	134	32	16	12	Cloudy Sky / Calm
26-09-2022	27-09-2022	200	130	28	18	12	Cloudy / Moderatebreeze
NAAQS, 2009		-	100	60	80	80	

GHONSA VILLAGE   WNGOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m <sup>3</sup> )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
06-09-2022	07-09-2022	120	64	40	8	BDL	Cloudy Sky / Calm
26-09-2022	27-09-2022	128	77	44	12	BDL	Cloudy / Moderatebreeze
NAAQS, 2009		-	100	60	80	80	



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## ENVIRONMENTAL MONITORING REPORT

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WANI NORTH AREA

WESTERN COALFIELDS LTD.

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7192
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TEST REPORT NO.	RIN/TR/SEP-22/27	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

SAM OFFICE   WNPOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
05-09-2022	06-09-2022	208	114	60	18	16	Cloudy Sky/ Moderatebreeze
25-09-2022	26-09-2022	214	120	58	16	14	Cloudy Sky/ Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


WORKSHOP   WNPOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
05-09-2022	06-09-2022	139	86	52	20	14	Cloudy Sky/ Moderate Breeze
25-09-2022	26-09-2022	124	78	62	20	16	Cloudy Sky/ Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

WATER FILTER PLANT PRAGATI NAGAR   WNPOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
05-09-2022	06-09-2022	200	102	36	14	12	Cloudy Sky/ Moderate Breeze
25-09-2022	26-09-2022	206	120	32	16	12	Cloudy Sky/ Lightbreeze
NAAQS, 2009		-	100	60	80	80	

BORGAON VILLAGE   WNJOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
05-09-2022	06-09-2022	140	82	40	10	BDL	Cloudy Sky/ Moderate Breeze
25-09-2022	26-09-2022	114	76	46	10	BDL	Cloudy Sky/ Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

CHP: WNPON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	08-09-2022	67.2	65.4
SEP'22	26-09-2022	65.2	64.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY PRAGATI NAGAR: WNPON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	08-09-2022	45.4	43.6
SEP'22	26-09-2022	47.4	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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## ENVIRONMENTAL MONITORING REPORT

# RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




SEP - 2022

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/28	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

NEAR BANDEWADA INCLINE   WNRUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	260	134	63	12	10	Clear Sky / Lightbreeze
27-09-2022	28-09-2022	252	146	68	8	BDL	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	224	138	58	22	18	Clear Sky / Lightbreeze
27-09-2022	28-09-2022	226	152	60	18	14	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PIT OFFICE   WNRUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	180	100	54	14	12	Clear Sky / Lightbreeze
27-09-2022	28-09-2022	168	88	56	12	10	Clear Sky / Lightbreeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	115	60	35	12	BDL	Clear Sky / Lightbreeze
27-09-2022	28-09-2022	112	68	38	18	12	Clear Sky / Lightbreeze
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: WNRUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-09-2022	7.92	34	40	BDL
27-09-2022	7.93	28	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	09-09-2022	62.4	61.8
SEP'22	27-09-2022	61.9	59.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	09-09-2022	46.8	45.5
SEP'22	27-09-2022	46.7	45.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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## ENVIRONMENTAL MONITORING REPORT

### UKNI DEEP OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034



SEP - 2022

Environment Laboratory

**CMPDI**

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/29	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

WORKSHOP PREMISES   WNUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	228	136	50	20	16	Clear Sky / Calm
21-09-2022	22-09-2022	230	128	54	20	14	Clear Sky / Calm
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

BHALAR TOWNSHIP   WNUOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	128	70	32	14	12	Clear Sky / Calm
21-09-2022	22-09-2022	108	60	30	12	10	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

UKNI VILLAGE   WNUOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	116	64	30	16	12	Clear Sky / Calm
21-09-2022	22-09-2022	118	76	32	14	12	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	

PIMPRI VILLAGE   WNKOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
02-09-2022	03-09-2022	115	60	30	14	10	Clear Sky / Calm
19-09-2022	20-09-2022	112	66	26	12	10	Clear Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: WNUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
04-09-2022	7.92	64	72	BDL
21-09-2022	6.14	30	64	BDL
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>

ETP DISCHARGE: WNUOW2				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
04-09-2022	4.55	42	36	BDL
21-09-2022	7.13	40	36	BDL
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>

STP DISCHARGE: WNUOW3		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS	
	TSS (in mg/l)	BOD(in mg/l)
<b>DETECTION LIMIT</b>	<b>10</b>	<b>2</b>
04-09-2022	46	13
21-09-2022	18	13
<b>GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993</b>	<b>100</b>	<b>30</b>



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

CHP: WNUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	08-09-2022	67.6	65.3
SEP'22	26-09-2022	67.6	65.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

BHALAR COLONY: WNUON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	08-09-2022	44.6	43
SEP'22	26-09-2022	43.6	42
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# WANI RAILWAY SIDING

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420034




SEP - 2022

Environment Laboratory

**CMPDI**

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/30	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22


NEAR RAILWAY SIDING WNRSA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
02-09-2022	03-09-2022	154	86	60	14	12	Clear Sky / Calm
03-09-2022	04-09-2022	178	100	54	16	14	Clear Sky / Calm
10-09-2022	11-09-2022	186	114	46	12	BDL	Clear Sky / Calm
11-09-2022	12-09-2022	172	112	44	18	14	Rainy Sky / Calm
19-09-2022	20-09-2022	148	92	52	14	10	Clear Sky / Calm
20-09-2022	21-09-2022	176	106	58	18	14	Clear Sky / Calm
27-09-2022	28-09-2022	200	122	54	10	BDL	Rainy Sky / Calm
28-09-2022	29-09-2022	170	100	38	12	10	Rainy Sky / Calm
TLV		600	300	-	120	120	

VITTALWADI WNRSA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
02-09-2022	03-09-2022	100	50	26	10	BDL	Clear Sky / Calm
03-09-2022	04-09-2022	122	66	38	14	12	Clear Sky / Calm
10-09-2022	11-09-2022	132	70	40	16	12	Clear Sky / Calm
11-09-2022	12-09-2022	98	52	26	10	BDL	Rainy Sky / Calm
19-09-2022	20-09-2022	112	60	34	14	10	Clear Sky / Calm
20-09-2022	21-09-2022	132	72	42	12	10	Clear Sky / Calm
27-09-2022	28-09-2022	126	64	50	14	12	Rainy Sky / Calm
28-09-2022	29-09-2022	96	50	28	BDL	BDL	Rainy Sky / Calm
NAAQS, 2009		-	100	60	80	80	

PRAGATI NAGAR WNRSA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
02-09-2022	03-09-2022	112	58	26	10	BDL	Clear Sky / Calm
03-09-2022	04-09-2022	116	65	30	14	12	Clear Sky / Calm
10-09-2022	11-09-2022	126	66	36	12	BDL	Clear Sky / Calm
11-09-2022	12-09-2022	110	62	28	20	16	Rainy Sky / Calm
19-09-2022	20-09-2022	122	68	32	12	10	Clear Sky / Calm
20-09-2022	21-09-2022	130	72	28	16	14	Clear Sky / Calm
27-09-2022	28-09-2022	110	56	40	10	BDL	Rainy Sky / Calm
28-09-2022	29-09-2022	114	64	36	18	16	Rainy Sky / Calm
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-7102
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**NOISE LEVEL MONITORING DATA**

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

Residential Area Near Railway siding   WNRSN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
SEP'22	08-09-2022	45.8	43.6
SEP'22	26-09-2022	65.5	62.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

NEAR INCHARGE OFFICE:   WNRSN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
SEP'22	08-09-2022	65.5	64.2
SEP'22	26-09-2022	45.7	42.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

# AMBARA OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




SEP - 2022

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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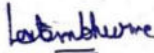
TEST REPORT NO.	RIN/TR/SEP-22/67	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22


MANAGER OFFICE KAOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	264	177	39	14	BDL	CLOUDY SKY / LIGHTBREEZE
27-09-2022	28-09-2022	248	157	32	16	11	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PIT OFFICE- MOHAN KAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	249	169	33	15	BDL	CLOUDY SKY / LIGHTBREEZE
27-09-2022	28-09-2022	238	158	36	14	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY HEALTH CENTER KMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14-09-2022	15-09-2022	129	88	28	8	BDL	CLOUDY SKY / LIGHTBREEZE
26-09-2022	27-09-2022	220	151	31	14	BDL	CLOUDY SKY / CALM
NAAQS, 2009		-	100	60	80	80	

AMBARA VILLAGE KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14-09-2022	15-09-2022	105	72	26	9	BDL	CLOUDY SKY / LIGHTBREEZE
26-09-2022	27-09-2022	118	74	24	BDL	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: KAOW				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-09-2022	7.29	32	44	BDL
28-09-2022	7.16	36	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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**NOISE LEVEL MONITORING DATA**

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

<b>MANAGER OFFICE: KAON1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	14-09-2022	50.7	49.2
SEP'22	26-09-2022	50.7	48.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(MOHAN/MAORI): KMN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	14-09-2022	42.8	41.3
SEP'22	26-09-2022	41.8	40.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

### AMBARA UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



SEP - 2022

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/SEP-22/68	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : L SOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

SAM OFFICE- AMBARA   KAU1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
11-09-2022	12-09-2022	250	154	34	16	11	CLOUDY SKY / LIGHTBREEZE
27-09-2022	28-09-2022	266	167	37	14	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PIT OFFICE- MOHAN   KAU2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
11-09-2022	12-09-2022	249	169	33	15	BDL	CLOUDY SKY / LIGHTBREEZE
27-09-2022	28-09-2022	238	158	36	14	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY HEALTH CENTER   KMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
14-09-2022	15-09-2022	129	88	28	8	BDL	CLOUDY SKY / LIGHTBREEZE
26-09-2022	27-09-2022	220	151	31	14	BDL	CLOUDY SKY / CALM
NAAQS, 2009		-	100	60	80	80	

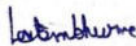
AMBARA VILLAGE   KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
14-09-2022	15-09-2022	105	72	26	9	BDL	CLOUDY SKY / LIGHTBREEZE
26-09-2022	27-09-2022	118	74	24	BDL	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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## ENVIRONMENTAL MONITORING REPORT

### AREA WORKSHOP

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



SEP - 2022

Environment Laboratory

**CMPDI**

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/69	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

AREA WORKSHOP   KAWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
14-09-2022	15-09-2022	301	211	41	16	12	CLOUDY SKY / LIGHTBREEZE
26-09-2022	27-09-2022	257	188	34	15	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

*Leetimbhurne*

Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

MONTH	WORK SHOP PREMI	KAWN1	
	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	14-09-2022	50.7	48.2
SEP'22	26-09-2022	50.5	49.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

# GHORAWARI OC

KANHAN AREA 

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




SEP - 2022

Environment Laboratory

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/70	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

MANAGER OFFICE-OC   KGOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14-09-2022	15-09-2022	240	166	36	15	13	CLOUDY SKY / LIGHTBREEZE
26-09-2022	27-09-2022	119	86	29	10	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI   KJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	247	165	38	15	13	CLOUDY SKY / LIGHTBREEZE
25-09-2022	26-09-2022	228	149	44	13	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA   KJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	110	71	25	9	BDL	CLOUDY SKY / LIGHTBREEZE
25-09-2022	26-09-2022	130	88	29	7	BDL	CLOUDY SKY / CALM
NAAQS, 2009		-	100	60	80	80	

PANARA VILLAGE   KJUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	119	80	22	9	BDL	CLOUDY SKY / LIGHTBREEZE
25-09-2022	26-09-2022	126	88	29	10	BDL	CLOUDY SKY / CALM
NAAQS, 2009		-	100	60	80	80	

*labimbhurne*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: KGOW				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
14-09-2022	7.91	24	32	BDL
25-09-2022	7.5	30	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*Leetimbhume*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE:		KGON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	14-09-2022	42.7	41.2
SEP'22	26-09-2022	42.7	41.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(JHARNA):		KGON2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	14-09-2022	42.6	41.1
SEP'22	26-09-2022	42.7	41.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# JHARNA/ GHORAWARI UG

KANHAN AREA 

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



SEP - 2022

Environment Laboratory

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/71	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

MANAGER OFFICE- JHARNA UG   KJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	267	170	37	13	BDL	CLOUDY SKY / LIGHTBREEZE
25-09-2022	26-09-2022	248	160	42	15	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM-OFFICE GHORAWARI   KJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	247	165	38	15	13	CLOUDY SKY / LIGHTBREEZE
25-09-2022	26-09-2022	228	149	44	13	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY HEALTH CENTER JHARNA   KJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	110	71	25	9	BDL	CLOUDY SKY / LIGHTBREEZE
25-09-2022	26-09-2022	130	88	29	7	BDL	CLOUDY SKY / CALM
NAAQS, 2009		-	100	60	80	80	

PANARA VILLAGE   KJUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
13-09-2022	14-09-2022	119	80	22	9	BDL	CLOUDY SKY / LIGHTBREEZE
25-09-2022	26-09-2022	126	88	29	10	BDL	CLOUDY SKY / CALM
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

<b>FAN HOUSE: KJUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	14-09-2022	43.7	42.2
SEP'22	26-09-2022	42.8	41.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: KJUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	14-09-2022	42.6	41.1
SEP'22	26-09-2022	42.7	41.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# MOHAN/ MAORI UG

KANHAN AREA 

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




SEP - 2022

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/72	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

SAM OFFICE KAUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	250	154	34	16	11	CLOUDY SKY / LIGHTBREEZE
27-09-2022	28-09-2022	266	167	37	14	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


PIT-OFFICE-MOHAN  KAUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
11-09-2022	12-09-2022	249	169	33	15	BDL	CLOUDY SKY / LIGHTBREEZE
27-09-2022	28-09-2022	238	158	36	14	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY HEALTH CENTER  KMUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14-09-2022	15-09-2022	129	88	28	8	BDL	CLOUDY SKY / LIGHTBREEZE
26-09-2022	27-09-2022	220	151	31	14	BDL	CLOUDY SKY / CALM
NAAQS, 2009		-	100	60	80	80	

AMBARA VILLAGE  KMUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
14-09-2022	15-09-2022	105	72	26	9	BDL	CLOUDY SKY / LIGHTBREEZE
26-09-2022	27-09-2022	118	74	24	BDL	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		KMUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	14-09-2022	69.1	68.8
SEP'22	26-09-2022	69.2	68.7
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(MOHAN MAORI):		KMUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	14-09-2022	42.8	41.3
SEP'22	26-09-2022	41.8	40.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# NANDAN UG

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



SEP - 2022

Environment Laboratory

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/73	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	15/09/22 TO 15/10/22	

SAM OFFICE- NANDAN I UG   KNUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	230	144	31	14	BDL	CLOUDY SKY / LIGHTBREEZE
24-09-2022	25-09-2022	259	165	27	15	12	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

PIT OFFICE NANADAN II UG   KNUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	260	164	36	15	12	CLOUDY SKY / LIGHTBREEZE
24-09-2022	25-09-2022	244	157	40	14	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

HEALTH CENTER-NANADAN UG   KNUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	109	62	22	9	BDL	CLOUDY SKY / LIGHTBREEZE
24-09-2022	25-09-2022	122	73	25	8	BDL	CLOUDY SKY / CALM
NAAQS, 2009		-	100	60	80	80	

NANDAN WATER FILTER PLANT   KNWA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
12-09-2022	13-09-2022	129	86	24	8	BDL	CLOUDY SKY / LIGHTBREEZE
24-09-2022	25-09-2022	108	77	22	9	BDL	CLOUDY SKY / CALM
NAAQS, 2009		-	100	60	80	80	

*Latimberne*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: KNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-09-2022	7.51	28	40	BDL
24-09-2022	7.4	32	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

<b>FAN HOUSE UG II: KNUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	14-09-2022	68.1	67.2
SEP'22	26-09-2022	68.4	67.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY: KNUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	14-09-2022	42.7	41.9
SEP'22	26-09-2022	47.7	47.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# TANDSI UG

KANHAN AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4634420035




SEP - 2022

Environment Laboratory

**CMPDI**

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/74	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

<b>WORKSHOP KTUA1</b>							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
11-09-2022	12-09-2022	248	157	35	13	BDL	CLOUDY SKY / LIGHTBREEZE
23-09-2022	24-09-2022	261	166	30	14	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

<b>LAMP ROOM KTUA2</b>							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
11-09-2022	12-09-2022	289	201	31	16	11	CLOUDY SKY / LIGHTBREEZE
23-09-2022	24-09-2022	255	187	29	15	BDL	CLOUDY SKY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

<b>COLONY NEAR HEALTH CENTER KTUA3</b>							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
11-09-2022	12-09-2022	137	78	24	9	BDL	CLOUDY SKY / LIGHTBREEZE
23-09-2022	24-09-2022	119	82	25	8	BDL	CLOUDY SKY / CALM
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

<b>JET HOSTEL KTUA4</b>							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
11-09-2022	12-09-2022	119	82	21	8	BDL	CLOUDY SKY / LIGHTBREEZE
23-09-2022	24-09-2022	105	77	27	9	BDL	CLOUDY SKY / CALM
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

*Latimkhane*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: KTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
12-09-2022	7.66	28	36	BDL
24-09-2022	7.55	24	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*labimkhurme*

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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		KTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	14-09-2022	72.4	69.8
SEP'22	26-09-2022	71.4	68.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(TANDSI):		KTUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	14-09-2022	42.8	41.3
SEP'22	26-09-2022	42.6	41.1
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# CHATTARPUR I & II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




SEP - 2022

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/75	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

SUBSTATION- CHATTARPUR I UG   PKCUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	249	156	33	15	BDL	Cloudy Sky / Calm
19-09-2022	20-09-2022	261	174	38	13	BDL	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE   PKCUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	231	144	36	13	10	Cloudy Sky / Calm
19-09-2022	20-09-2022	260	167	30	15	10	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SUBSTATION-CHATTARPUR II UG   PKCUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	258	165	38	14	BDL	Cloudy Sky / Calm
19-09-2022	20-09-2022	269	172	42	16	BDL	Cloudy Sky / Windy
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

CHATTARPUR VILLAGE   PKCUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	112	82	25	9	BDL	Cloudy Sky / Calm
19-09-2022	20-09-2022	129	92	29	8	BDL	Cloudy Sky / Windy
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

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
07-09-2022	8.03	38	44	BDL
20-09-2022	8.26	26	32	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
07-09-2022	7.96	34	40	BDL
20-09-2022	8.26	28	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

  
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE-I UG:		PKCUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEP'22	10-09-2022	67.6	66.4
SEP'22	22-09-2022	68.8	67.3
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

FAN HOUSE-II UG:		PKCUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEP'22	10-09-2022	70.8	68.6
SEP'22	22-09-2022	69.9	68.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY:		PKCUN3	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
		20	20
SEP'22	10-09-2022	44.4	43.1
SEP'22	22-09-2022	43.7	42.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

### SARNI UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/76	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22


SUBSTATION SARNI UG   PKSUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	249	159	34	15	BDL	CLOUDY SKY / CALM
22-09-2022	23-09-2022	263	171	41	13	BDL	CLOUDY SKY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	247	157	34	14	BDL	CLOUDY SKY / CALM
22-09-2022	23-09-2022	266	173	41	16	10	CLOUDY SKY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	249	166	39	15	11	CLOUDY SKY / CALM
22-09-2022	23-09-2022	278	182	43	13	BDL	CLOUDY SKY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		-	100	60	80	80	

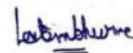
PATHAKHERA COLONY   PKSUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	94	69	24	9	BDL	CLOUDY SKY / CALM
22-09-2022	23-09-2022	117	82	29	10	BDL	CLOUDY SKY / WINDY
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

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
10-09-2022	7.53	32	40	BDL
22-09-2022	7.6	36	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	SEP'22	10-09-2022	69.7
SEP'22	22-09-2022	70.7	68.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(SARNI):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	SEP'22	10-09-2022	42.6
SEP'22	22-09-2022	44.1	43.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# SHOBHAPUR UG

PATHAKHERA AREA 

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



SEP - 2022

Environment Laboratory

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JARIPATKA, NAGPUR, PIN – 440 014

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/77	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:	15/09/22 TO 15/10/22	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	241	153	38	17	12	CLOUDY SKY / CALM
20-09-2022	21-09-2022	260	166	43	14	BDL	CLOUDY SKY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	


DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	249	168	34	16	12	CLOUDY SKY / CALM
20-09-2022	21-09-2022	270	176	30	15	11	CLOUDY SKY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	101	88	28	8	BDL	CLOUDY SKY / CALM
20-09-2022	21-09-2022	127	99	32	9	BDL	CLOUDY SKY / WINDY
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	98	78	22	8	BDL	CLOUDY SKY / CALM
20-09-2022	21-09-2022	113	89	28	9	BDL	CLOUDY SKY / WINDY
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

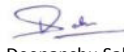
SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JUNE-2015
SAMPLING METHOD	LSOP 6

FAN HOUSE:		PKSUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
	SEP'22	10-09-2022	70.1
SEP'22	22-09-2022	44.2	43.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY(SHOBHAPUR):		PKSUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIHT TIME
	SEP'22	10-09-2022	43.6
SEP'22	22-09-2022	43.8	42.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# TAWA-II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



SEP - 2022

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/78	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

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 <sub>5</sub>	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	NO <sub>2</sub> <sub>6</sub>	SO <sub>2</sub> <sub>10</sub>	
09-09-2022	10-09-2022	250	178	37	17	11	CLOUDY SKY / CALM
21-09-2022	22-09-2022	288	192	31	15	11	CLOUDY SKY/ WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>5</sub>	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	NO <sub>2</sub> <sub>6</sub>	SO <sub>2</sub> <sub>10</sub>	
09-09-2022	10-09-2022	267	187	35	15	BDL	CLOUDY SKY / CALM
21-09-2022	22-09-2022	283	201	40	13	BDL	CLOUDY SKY/ WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MPEB COLONY   PKTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM <sub>5</sub>	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	NO <sub>2</sub> <sub>6</sub>	SO <sub>2</sub> <sub>10</sub>	
09-09-2022	10-09-2022	112	80	36	9	BDL	CLOUDY SKY / CALM
21-09-2022	22-09-2022	125	96	42	10	BDL	CLOUDY SKY/ WINDY
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 <sub>5</sub>	PM <sub>10</sub> <sub>5</sub>	PM <sub>2.5</sub> <sub>2</sub>	NO <sub>2</sub> <sub>6</sub>	SO <sub>2</sub> <sub>10</sub>	
09-09-2022	10-09-2022	99	72	22	9	BDL	CLOUDY SKY / CALM
21-09-2022	22-09-2022	118	88	28	10	BDL	CLOUDY SKY/ WINDY
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: PKTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-09-2022	7.98	26	32	BDL
21-09-2022	8.08	36	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*Latimkhera*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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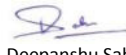
**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE:		PKTUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
	DETECTION LIMIT	DAY TIME	NIGHT TIME
SEP'22	10-09-2022	72.9	72.6
SEP'22	22-09-2022	69.2	68.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

### TAWA UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



SEP - 2022

Environment Laboratory

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JARIPATKA, NAGPUR, PIN – 440 014

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/79	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	267	187	35	15	BDL	CLOUDY SKY / CALM
21-09-2022	22-09-2022	283	201	40	13	BDL	CLOUDY SKY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	250	178	37	17	11	CLOUDY SKY / CALM
21-09-2022	22-09-2022	288	192	31	15	11	CLOUDY SKY / WINDY
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	112	80	36	9	BDL	CLOUDY SKY / CALM
21-09-2022	22-09-2022	125	96	42	10	BDL	CLOUDY SKY / WINDY
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	99	72	22	9	BDL	CLOUDY SKY / CALM
21-09-2022	22-09-2022	118	88	28	10	BDL	CLOUDY SKY / WINDY
NAAQS, 2009		-	100	60	80	80	

*labindure*  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: PKTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
09-09-2022	7.62	30	36	BDL
21-09-2022	7.73	26	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

*Latimkhera*

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

<b>FAN HOUSE: PKTUN1</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	10-09-2022	68.7	67.3
SEP'22	22-09-2022	69.7	68.1
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

<b>COLONY(TAWA): PKTUN2</b>			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	10-09-2022	43.6	42.2
SEP'22	22-09-2022	43.7	43.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# BARKUHI OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




SEP - 2022

Environment Laboratory

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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>		<b>Test Report</b>			
TEST REPORT NO.	RIN/TR/SEP-22/54	DATE OF ISSUE	28.10.2022		
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR				
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)				
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22		

MANAGER OFFICE   PBOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
12-09-2022	13-09-2022	267	168	52	19	BDL	CLOUDY SKY / LIGHTBREEZE
28-09-2022	29-09-2022	284	172	57	21	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE   PBOA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
12-09-2022	13-09-2022	279	152	57	21	11	CLOUDY SKY / LIGHTBREEZE
28-09-2022	29-09-2022	298	172	64	23	12	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

CHANDAMETA WORKSHOP   PCWA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
12-09-2022	13-09-2022	273	168	52	20	BDL	CLOUDY SKY / LIGHTBREEZE
28-09-2022	29-09-2022	282	174	58	22	11	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

CENTRAL SCHOOL   PBOA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
12-09-2022	13-09-2022	133	78	36	14	BDL	CLOUDY SKY / LIGHTBREEZE
28-09-2022	29-09-2022	138	86	38	15	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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**NOISE LEVEL MONITORING DATA**

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

NEAR BARKUI HOSPITAL:		PBON1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	05-09-2022	45.8	43.7
SEP'22	21-09-2022	45.7	43.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# CHANDAMETA WORKSHOP

PENCH AREA 

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



SEP - 2022

Environment Laboratory

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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/55	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
		5	5	2	6	10	
12-09-2022	13-09-2022	273	168	52	20	BDL	CLOUDY SKY / LIGHTBREEZE
28-09-2022	29-09-2022	282	174	58	22	11	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

NEAR CHANDAMETA WORKSHOP: PCWN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	05-09-2022	46.2	44.9
SEP'22	21-09-2022	46.8	44.9
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70



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## ENVIRONMENTAL MONITORING REPORT

# CHINDA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



SEP - 2022

Environment Laboratory

**CMPDI**

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/56	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	268	172	58	22	11	CLOUDY SKY / LIGHTBREEZE
26-09-2022	27-09-2022	242	144	46	18	BDL	RAINY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	274	187	59	22	11	CLEAR SKY / LIGHTBREEZE
26-09-2022	27-09-2022	252	153	51	19	BDL	RAINY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	134	86	36	16	BDL	CLOUDY SKY / LIGHTBREEZE
26-09-2022	27-09-2022	121	72	32	14	BDL	RAINY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	148	86	42	16	BDL	CLEAR SKY / LIGHTBREEZE
24-09-2022	25-09-2022	136	74	36	14	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: PCOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
10-09-2022	7.93	50	48	BDL
27-09-2022	8.09	44	40	BDL
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

NEAR MANAGER OFFICE: PCON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	05-09-2022	45.4	44.4
SEP'22	21-09-2022	45.8	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY CHINDA: PCON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	05-09-2022	45.9	43.8
SEP'22	21-09-2022	45.9	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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## ENVIRONMENTAL MONITORING REPORT

# GANPATI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




SEP - 2022

Environment Laboratory

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REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/57	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

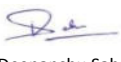
LAMP ROOM   PGUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	242	152	49	20	BDL	RAINY SKY / LIGHTBREEZE
20-09-2022	21-09-2022	273	174	58	22	10	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	254	148	52	19	BDL	RAINY SKY / LIGHTBREEZE
20-09-2022	21-09-2022	271	167	58	22	11	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	128	73	38	16	BDL	RAINY SKY / LIGHTBREEZE
20-09-2022	21-09-2022	149	92	44	15	BDL	CLOUDY SKY / LIGHTBREEZE
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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	132	78	34	14	BDL	RAINY SKY / LIGHTBREEZE
20-09-2022	21-09-2022	142	88	38	15	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

  
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## ENVIRONMENTAL MONITORING REPORT

# JAMUNIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




SEP - 2022

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/58	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22


MANAGER OFFICE   PJUA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	271	184	59	22	11	CLEAR SKY / LIGHTBREEZE
22-09-2022	23-09-2022	282	163	53	19	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SUBSTATION   PJUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	293	194	61	22	BDL	CLEAR SKY / LIGHTBREEZE
22-09-2022	23-09-2022	261	163	53	20	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

JAMUNIA VILLAGE   PJUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	149	92	42	16	BDL	CLEAR SKY / LIGHTBREEZE
22-09-2022	23-09-2022	128	73	36	14	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

BOKAI TOWNSHIP   PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-2022	06-09-2022	142	88	44	16	BDL	CLEAR SKY / LIGHTBREEZE
21-09-2022	22-09-2022	126	73	36	15	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

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
06-09-2022	8.46	46	44	< 2
23-09-2022	7.05	52	48	< 2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE: PJUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
SEP'22	05-09-2022	44.5	42.8
SEP'22	21-09-2022	44.5	42.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

# MAHADEOPURI UG

PENCH AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4634420035




SEP - 2022

Environment Laboratory

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/59	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	254	148	52	19	BDL	RAINY SKY / LIGHTBREEZE
20-09-2022	21-09-2022	271	167	58	22	11	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	242	152	49	20	BDL	RAINY SKY / LIGHTBREEZE
20-09-2022	21-09-2022	273	174	58	22	10	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	132	78	34	14	BDL	RAINY SKY / LIGHTBREEZE
20-09-2022	21-09-2022	142	88	38	15	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
04-09-2022	05-09-2022	128	73	38	16	BDL	RAINY SKY / LIGHTBREEZE
20-09-2022	21-09-2022	149	92	44	15	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 YC-7002
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE:		PMUW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>2</b>
04-09-2022	8.31	34	40	< 2
21-09-2022	7.8	38	44	< 2
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	<b>5.5 - 9.0</b>	<b>100</b>	<b>250</b>	<b>10</b>



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE: PMUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	05-09-2022	69.7	67.8
SEP'22	21-09-2022	69.2	68.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY: PMUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	05-09-2022	45.4	43.5
SEP'22	21-09-2022	45.4	43.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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## ENVIRONMENTAL MONITORING REPORT

# NEHARIA UG

PENCH AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4634420035



SEP - 2022

**Environment Laboratory**

**CMPDI**

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

AN ISO 9001:2015 COMPANY

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7182
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TEST REPORT NO.	RIN/TR/SEP-22/60	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

<b>SAM OFFICE   PNUA1</b>							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-09-2022	06-09-2022	281	178	61	22	11	CLEAR/ LIGHTBREEZE
21-09-2022	22-09-2022	262	163	58	21	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

<b>LAMP ROOM/ SUBSTATION   PNUA2</b>							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-09-2022	06-09-2022	294	192	62	23	BDL	CLEAR/ LIGHTBREEZE
21-09-2022	22-09-2022	263	152	54	20	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

<b>NEHARIA VILLAGE   PNUA3</b>							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-09-2022	06-09-2022	149	92	42	16	BDL	CLEAR/ LIGHTBREEZE
21-09-2022	22-09-2022	132	81	34	15	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

<b>BOKAI TOWNSHIP   PNUA4</b>							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
FROM	TO	5	5	2	6	10	
05-09-2022	06-09-2022	142	88	44	16	BDL	CLEAR/ LIGHTBREEZE
21-09-2022	22-09-2022	126	73	36	15	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: PNUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-09-2022	7.09	44	48	< 2
22-09-2022	7.94	58	52	< 2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE: PNUN1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	05-09-2022	69.5	68.6
SEP'22	21-09-2022	69.9	68.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY: PNUN2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	05-09-2022	45.9	43.8
SEP'22	21-09-2022	45.4	43.8
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# NEW SETHIA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




SEP - 2022

Environment Laboratory

**CMPDI**

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/61	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

NEW SETHIA OC SITE		PSOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
09-09-2022	10-09-2022	273	178	59	22	BDL	CLEAR SKY/ LIGHTBREEZE
25-09-2022	26-09-2022	258	154	54	20	BDL	CLOUDY SKY/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SAM OFFICE		PCOA1					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	268	172	58	22	11	CLOUDY SKY/ LIGHTBREEZE
26-09-2022	27-09-2022	242	144	46	18	BDL	RAINY SKY/ LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

CHINDA VILLAGE		PCOA3					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	134	86	36	16	BDL	CLOUDY SKY/ LIGHTBREEZE
26-09-2022	27-09-2022	121	72	32	14	BDL	RAINY SKY/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

CHINDA COLONY		PSOA2					ENVIRONMENT CONDITIONS (Sky/Wind)
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	148	86	42	16	BDL	CLEAR SKY/ LIGHTBREEZE
24-09-2022	25-09-2022	136	74	36	14	BDL	CLOUDY SKY/ LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE:		PSOW1		
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
<b>DETECTION LIMIT</b>	2	10	4	2
09-09-2022	7.89	48	44	BDL
26-09-2022	8.1	42	36	BDL
<b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b>	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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**NOISE LEVEL MONITORING DATA**

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

NEAR MANAGER OFFICE: PSON1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	05-09-2022	47.8	45.4
SEP'22	21-09-2022	47.8	44.4
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY CHINDA: PCON2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	05-09-2022	45.9	43.8
SEP'22	21-09-2022	45.9	43.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>55</b>	<b>45</b>



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## ENVIRONMENTAL MONITORING REPORT

# SHIVPURI OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




SEP - 2022

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/62	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : L SOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

SITE OFFICE  PSOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	296	182	63	22	11	CLEAR SKY / LIGHTBREEZE
24-09-2022	25-09-2022	258	154	54	20	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

SUBSTATION VISHNUPURI-I  PV1UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	276	182	60	21	BDL	CLEAR SKY / LIGHTBREEZE
24-09-2022	25-09-2022	248	164	54	19	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

COLONY GUEST HOUSE SHIVPURI  PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	143	92	39	16	BDL	CLEAR SKY / LIGHTBREEZE
24-09-2022	25-09-2022	131	74	32	14	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

CHINDA VILLAGE  PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	134	86	36	16	BDL	CLEAR SKY / LIGHTBREEZE
26-09-2022	27-09-2022	121	72	32	14	BDL	RAINY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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**NOISE LEVEL MONITORING DATA**

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

NEAR MANAGER OFFICE: PSON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
SEP'22	05-09-2022	46.7	44.4
SEP'22	21-09-2022	45.7	43.5
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>

COLONY: PSON2			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	<b>DETECTION LIMIT</b>	<b>20</b>	<b>20</b>
SEP'22	05-09-2022	45.8	43.9
SEP'22	21-09-2022	45.2	43.9
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

# THESGORA MATHANI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




SEP - 2022

Environment Laboratory

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/63	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22


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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	139	88	39	15	BDL	CLOUDY SKY / CALM
23-09-2022	24-09-2022	128	73	36	14	BDL	CLOUDY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

SAM OFFICE   PTUA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	273	161	59	21	BDL	CLOUDY SKY / CALM
23-09-2022	24-09-2022	280	159	53	19	BDL	CLOUDY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

MANAGER OFFICE- MATHANI   PTUA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	283	182	53	23	BDL	CLOUDY SKY / CALM
23-09-2022	24-09-2022	264	153	51	21	BDL	CLOUDY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

JHURE COLONY- FILTER PLANT   PTUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
07-09-2022	08-09-2022	130	82	43	15	BDL	CLOUDY SKY / CALM
23-09-2022	24-09-2022	136	76	34	14	BDL	CLOUDY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

  
Analysed by


<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: PTUW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
07-09-2022	7.66	44	40	< 2
24-09-2022	7.67	38	36	< 2
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



Analysed by

<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE-MATHANI: PTUN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	05-09-2022	69.2	67.4
SEP'22	21-09-2022	69.2	68.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY-THESGORA: PTUN2		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
		DETECTION LIMIT	20
SEP'22	05-09-2022	45.8	43.4
SEP'22	21-09-2022	45.6	44.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45



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## ENVIRONMENTAL MONITORING REPORT

### URDHAN OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035



SEP - 2022

Environment Laboratory

**CMPDI**

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

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/64	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

URDHAN MANAGER OFFICE   PUOA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	296	173	59	22	11	CLEAR SKY / LIGHTBREEZE
22-09-2022	23-09-2022	263	168	53	20	BDL	CLOUDY SKY / LIGHTBREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> 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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
06-09-2022	07-09-2022	149	92	42	16	BDL	CLEAR SKY / LIGHTBREEZE
22-09-2022	23-09-2022	132	73	34	14	BDL	CLOUDY SKY / LIGHTBREEZE
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 <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-2022	06-09-2022	149	92	42	16	BDL	CLEAR SKY / LIGHTBREEZE
21-09-2022	22-09-2022	132	81	34	15	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	

BOKAI TOWNSHIP   PNUA4							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
05-09-2022	06-09-2022	142	88	44	16	BDL	CLEAR SKY / LIGHTBREEZE
21-09-2022	22-09-2022	126	73	36	15	BDL	CLOUDY SKY / LIGHTBREEZE
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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SAMPLE DESCRIPTION	Water sample		
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)		
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES :	15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: PUOW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
06-09-2022	8.4	50	52	BDL
23-09-2022	7.91	54	58	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

MANAGER OFFICE: PUON1			
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
		<b>20</b>	<b>20</b>
	<b>DETECTION LIMIT</b>		
SEP'22	05-09-2022	48.2	45.4
SEP'22	21-09-2022	47.8	44.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

### VISHNUPURI-II UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4634420035




SEP - 2022

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 TC-7102
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TEST REPORT NO.	RIN/TR/SEP-22/66	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	278	178	59	22	11	CLEAR SKY / LIGHTBREEZE
24-09-2022	25-09-2022	253	164	54	21	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	276	182	60	21	BDL	CLEAR SKY / LIGHTBREEZE
24-09-2022	25-09-2022	248	164	54	19	BDL	CLOUDY / CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		600	300	-	120	120	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	143	92	39	16	BDL	CLEAR SKY / LIGHTBREEZE
24-09-2022	25-09-2022	131	74	32	14	BDL	CLOUDY / CALM
NAAQS, 2009		-	100	60	80	80	

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	134	86	36	16	BDL	CLEAR SKY / LIGHTBREEZE
26-09-2022	27-09-2022	121	72	32	14	BDL	CLOUDY / CALM
NAAQS, 2009		-	100	60	80	80	



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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	 EC-7182
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SAMPLE DESCRIPTION	Water sample	
Test Required	pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019)	
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 15.09.2022 TO 15.10.2022

MINE WATER DISCHARGE: PV2UW1				
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-09-2022	8.06	50	56	BDL
25-09-2022	8.02	46	48	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

  
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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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**NOISE LEVEL MONITORING DATA**

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

FAN HOUSE UG-II: PV2UN1		NOISE LEVEL IN dB(A)	
MONTH	DATE OF SAMPLE COLLECTION	DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEP'22	05-09-2022	68.2	67.4
SEP'22	21-09-2022	68.7	67.2
<b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b>		<b>75</b>	<b>70</b>



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## ENVIRONMENTAL MONITORING REPORT

### VISHNUPURI-I UG

PENCH AREA

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<b>Environment Laboratory CMPDI RI-IV, NAGPUR</b>	<b>Test Report</b>	
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TEST REPORT NO.	RIN/TR/SEP-22/65	DATE OF ISSUE	28.10.2022
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : L SOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		15/09/22 TO 15/10/22

SAM OFFICE   PV1UA1							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	278	178	59	22	11	CLOUDY/ LIGHTBREEZE
24-09-2022	25-09-2022	253	164	54	21	BDL	CLOUDY/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

SUBSTATION   PV2UA2							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	276	182	60	21	BDL	CLOUDY/ LIGHTBREEZE
24-09-2022	25-09-2022	248	164	54	19	BDL	CLOUDY/ CALM
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000		<b>600</b>	<b>300</b>	-	<b>120</b>	<b>120</b>	

COLONY GUEST HOUSE SHIVPURI   PSOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
08-09-2022	09-09-2022	143	92	39	16	BDL	CLOUDY/ LIGHTBREEZE
24-09-2022	25-09-2022	131	74	32	14	BDL	CLOUDY/ CALM
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

CHINDA VILLAGE   PCOA3							
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ )					ENVIRONMENT CONDITIONS (Sky/Wind)
FROM	TO	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>2</sub>	SO <sub>2</sub>	
10-09-2022	11-09-2022	134	86	36	16	BDL	CLOUDY/ LIGHTBREEZE
26-09-2022	27-09-2022	121	72	32	14	BDL	CLOUDY/ CALM
NAAQS, 2009		-	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	



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