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## ENVIRONMENTAL MONITORING REPORT

# BALLARPUR OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



MARCH 2024

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

AN ISO 9001:2015 COMPANY

|   |  |                    |                      |   |  |
|---|--|--------------------|----------------------|---|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b> |                      |  |  |
| TEST REPORT NO.                                       | RIN/TR/MAR-24/41   | DATE OF ISSUE      | 29/04/2024           |   |  |
| NAME OF CUSTOMER                                      | GM(ENV.), WCL(HQ), NAGPUR  |                    |                      |   |  |
| TEST REQUIRED   | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                    |                      |   |  |
| SAMPLE DESCRIPTION                                    | AIR SAMPLE   | SAMPLING PLAN :    |                      | LQR 47  |  |
| SAMPLING METHOD : LSOP 4                              | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                    | 16-03-24 TO 15-04-24 |   |  |

| MANAGER OFFICE-BALLARPUR UG BBUA1                             |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                    |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 11-03-2024  | 12-03-2024 | 345  | 210              | 61                | 16              | 13              | Clear Sky / Light Breeze             |
| 26-03-2024  | 27-03-2024 | 304  | 175              | 60                | 20              | 14              | Clear Sky / Light Breeze             |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 11-03-2024  | 12-03-2024 | 210  | 155              | 48                | 14              | BDL             | Clear Sky / Light Breeze             |
| 26-03-2024  | 27-03-2024 | 265  | 156              | 45                | 16              | 12              | Clear Sky / Light Breeze             |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 10-03-2024  | 11-03-2024 | 236  | 140              | 60                | 18              | 14              | Clear Sky / Light Breeze             |
| 25-03-2024  | 26-03-2024 | 257  | 149              | 52                | 18              | 10              | Clear Sky / Light Breeze             |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |  |
| 11-03-2024                 | 12-03-2024 | 70   | 34                | 14              | BDL             | Clear Sky / Light Breeze             |  |
| 26-03-2024                 | 27-03-2024 | 80   | 35                | 10              | BDL             | Clear Sky / Light Breeze             |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

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

|                    |  |   |                      |
|--------------------|--|---|----------------------|
| SAMPLE DESCRIPTION | Water sample   |   |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |   |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: BBOW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 11-03-2024  | 7.58             | 56            | 44           | BDL            |
| 26-03-2024  | 7.69             | 36            | 60           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**

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

| CHP: <b>BBUN1</b>                                     |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 11-03-2024                   | 65.9                 | 64.8       |
| MAR'24  | 26-03-2024                   | 62.5                 | 61.6       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| COLONY BALLARPUR UG: <b>BBUN2</b>                     |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 11-03-2024                   | 42.8                 | 41.7       |
| MAR'24  | 26-03-2024                   | 42.9                 | 41.5       |
| <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

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/42   | DATE OF ISSUE   | 29/04/2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |


| MANAGER OFFICE- BALLARPUR UG  |            | BBUA1  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 11-03-2024  | 12-03-2024 | 345  | 210              | 61                | 16              | 13              | Clear Sky / Light Breeze             |
| 26-03-2024  | 27-03-2024 | 304  | 175              | 60                | 20              | 14              | Clear Sky / Light Breeze             |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| SUBSTATION  |            | BBOA2  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 11-03-2024  | 12-03-2024 | 210  | 155              | 48                | 14              | BDL             | Clear Sky / Light Breeze             |
| 26-03-2024  | 27-03-2024 | 265  | 156              | 45                | 16              | 12              | Clear Sky / Light Breeze             |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| PREMISES OF SUB AREA OFFICE   |            | BBOA3  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 10-03-2024  | 11-03-2024 | 236  | 140              | 60                | 18              | 14              | Clear Sky / Light Breeze             |
| 25-03-2024  | 26-03-2024 | 257  | 149              | 52                | 18              | 10              | Clear Sky / Light Breeze             |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| FILTER PLANT COLONY        |            | BBUA4  |                   |                 |                 |                          |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                          | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                          |                                      |
| 11-03-2024                 | 12-03-2024 | 70   | 34                | 14              | BDL             | Clear Sky / Light Breeze |                                      |
| 26-03-2024                 | 27-03-2024 | 80   | 35                | 10              | BDL             | Clear Sky / Light Breeze |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                          |                                      |

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

|                    |  |   |                      |
|--------------------|--|---|----------------------|
| SAMPLE DESCRIPTION | Water sample   |   |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |   |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: BBUW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 11-03-2024  | 7.84             | 44            | 52           | BDL            |
| 26-03-2024  | 7.84             | 28            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**

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

| <b>FAN HOUSE: BBUN1</b>                               |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 11-03-2024                   | 68.7                 | 67.6       |
| MAR'24  | 26-03-2024                   | 67.8                 | 66.9       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| <b>COLONY: BBUN2</b>                                  |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 11-03-2024                   | 42.8                 | 41.7       |
| MAR'24  | 26-03-2024                   | 42.9                 | 41.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>55</b>            | <b>45</b>  |



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# GOURI-I & II (A) OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



MARCH 2024

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


|                           |  |                 |                      |
|---------------------------|--|-----------------|----------------------|
| TEST REPORT NO.           | RIN/TR/MAR-24/44   | DATE OF ISSUE   | 29/04/2024           |
| NAME OF CUSTOMER          | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED             | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION        | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : L SOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| MANAGER OFFICE-GOURI-I OC BGOA1  |            |  |                  |                   |                 |                 |                                   |
|--|------------|--|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|  |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                   |
| FROM   | TO         | 5  | 5                | 2                 | 6               | 10              |                                   |
| 10-03-2024   | 11-03-2024 | 297  | 178              | 58                | 16              | 10              | Clear Sky / Light Breeze          |
| 25-03-2024   | 26-03-2024 | 314  | 176              | 63                | 20              | 13              | Clear Sky / Light Breeze          |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                   |

| SAM OFFICE GOURI SUB AREA BGOA2  |            |  |                  |                   |                 |                 |                                   |
|--|------------|--|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|  |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                   |
| FROM   | TO         | 5  | 5                | 2                 | 6               | 10              |                                   |
| 10-03-2024   | 11-03-2024 | 236  | 140              | 50                | 15              | 12              | Clear Sky / Light Breeze          |
| 25-03-2024   | 26-03-2024 | 265  | 156              | 46                | 14              | 10              | Clear Sky / Light Breeze          |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                   |

| GOURI COLONY FILTER PLANT BSOA3 |            |  |                   |                 |                 |                                   |  |
|---------------------------------|------------|--|-------------------|-----------------|-----------------|-----------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING      |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |  |
|                                 |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                   |  |
| FROM                            | TO         | 5  | 2                 | 6               | 10              |                                   |  |
| 01-03-2024                      | 02-03-2024 | 84   | 36                | 11              | BDL             | Clear Sky /Calm                   |  |
| 07-03-2024                      | 08-03-2024 | 68   | 28                | 9               | BDL             | Clear Sky /Calm                   |  |
| 08-03-2024                      | 09-03-2024 | 74   | 36                | 12              | BDL             | Clear Sky /Calm                   |  |
| 14-03-2024                      | 15-03-2024 | 56   | 27                | 10              | BDL             | Clear Sky /Calm                   |  |
| 15-03-2024                      | 16-03-2024 | 78   | 31                | 11              | BDL             | Clear Sky /Calm                   |  |
| 21-03-2024                      | 22-03-2024 | 74   | 28                | 14              | BDL             | Clear Sky /Calm                   |  |
| 22-03-2024                      | 23-03-2024 | 81   | 40                | 10              | BDL             | Clear Sky /Calm                   |  |
| 28-03-2024                      | 29-03-2024 | 80   | 36                | 9               | BDL             | Clear Sky /Calm                   |  |
| 29-03-2024                      | 30-03-2024 | 74   | 32                | 8               | BDL             | Clear Sky /Calm                   |  |
| NAAQS, 2009                     |            | 100  | 60                | 80              | 80              |                                   |  |

| GOURI VILLAGE BGOA4        |            |  |                   |                 |                 |                                   |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|-----------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |  |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                   |  |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                   |  |
| 09-03-2024                 | 10-03-2024 | 79   | 26                | 12              | BDL             | Clear Sky / Light Breeze          |  |
| 24-03-2024                 | 25-03-2024 | 80   | 34                | 13              | BDL             | Clear Sky / Light Breeze          |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                   |  |

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

|                    |  |  |
|--------------------|--|--|
| SAMPLE DESCRIPTION | Water sample   |  |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: BGOW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 10-03-2024  | 7.69             | 36            | 40           | BDL            |
| 25-03-2024  | 7.53             | 44            | 56           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP DISCHARGE: BGOW2                                    |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 10-03-2024  | 7.65             | 36            | 32           | BDL            |
| 25-03-2024  | 7.71             | 52            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>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, JULY-2015 |
| SAMPLING METHOD    | LSOP 6  |

| CHP: <b>BGON1</b>                                     |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 11-03-2024                   | 64.5                 | 63.9       |
| MAR'24  | 26-03-2024                   | 63.6                 | 62.7       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| GOURI COLONY: <b>BSON2</b>                            |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 11-03-2024                   | 43.8                 | 42.7       |
| MAR'24  | 26-03-2024                   | 43.7                 | 42.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>55</b>            | <b>45</b>  |



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## ENVIRONMENTAL MONITORING REPORT

# GOURI DEEP OC

BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>EC-7182 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/43   | DATE OF ISSUE   | 29/04/2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| MANAGER OFFICE  |            | BGDO1  |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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> |                                      |
| 08-03-2024  | 09-03-2024 | 298  | 165              | 59                | 16              | 11              | Clear Sky / Light Breeze             |
| 23-03-2024  | 24-03-2024 | 274  | 172              | 62                | 20              | 12              | Clear Sky / Light Breeze             |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| MUTRA VILLAGE              |            | BGDO2  |                   |                 |                 |                          | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                          |                                      |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>x</sub> | So <sub>x</sub> |                          |                                      |
| 08-03-2024                 | 09-03-2024 | 70   | 30                | 11              | BDL             | Clear Sky / Light Breeze |                                      |
| 23-03-2024                 | 24-03-2024 | 66   | 30                | 12              | BDL             | Clear Sky / Light Breeze |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                          |                                      |

| GOYEGAON VILLAGE           |            | BGDO3  |                   |                 |                 |                          | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                          |                                      |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>x</sub> | So <sub>x</sub> |                          |                                      |
| 08-03-2024                 | 09-03-2024 | 69   | 28                | 10              | BDL             | Clear Sky / Light Breeze |                                      |
| 23-03-2024                 | 24-03-2024 | 59   | 28                | 12              | BDL             | Clear Sky / Light Breeze |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                          |                                      |

| ANTARGAON VILLAGE          |            | BGDO4  |                   |                 |                 |                          | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                          |                                      |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>x</sub> | So <sub>x</sub> |                          |                                      |
| 08-03-2024                 | 09-03-2024 | 74   | 30                | 10              | BDL             | Clear Sky / Light Breeze |                                      |
| 23-03-2024                 | 24-03-2024 | 75   | 33                | 10              | BDL             | Clear Sky / 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 : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: BGDW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 08-03-2024  | 7.75             | 36            | 32           | BDL            |
| 23-03-2024  | 7.73             | 36            | 52           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP(WORKSHOP) DISCHARGE: BGDW2                          |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 08-03-2024  | 7.69             | 48            | 48           | BDL            |
| 23-03-2024  | 7.67             | 56            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>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, JULY-2015 |
| SAMPLING METHOD    | LSOP 6  |

| MANAGER OFFICE:                                       |                           | BGON1                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24  | 11-03-2024                | 57.6                 | 56.5       |
| MAR'24  | 26-03-2024                | 54.7                 | 53.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| CHP   |                           | BGON2                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24  | 11-03-2024                | 64.7                 | 63.6       |
| MAR'24  | 26-03-2024                | 65.8                 | 64.9       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |



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BALLARPUR AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



MARCH 2024

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|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/45   | DATE OF ISSUE   | 29/04/2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 10-03-2024  | 11-03-2024 | 245  | 169              | 49                | 16              | 10              | Clear Sky / Light Breeze             |
| 25-03-2024  | 26-03-2024 | 254  | 154              | 48                | 16              | 12              | Clear Sky / Light Breeze             |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 11-03-2024  | 12-03-2024 | 287  | 180              | 60                | 14              | 10              | Clear Sky / Light Breeze             |
| 26-03-2024  | 27-03-2024 | 298  | 185              | 59                | 20              | 15              | Clear Sky / Light Breeze             |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 09-03-2024                 | 10-03-2024 | 84   | 36                | 14              | BDL             | Clear Sky / Light Breeze             |
| 23-03-2024                 | 24-03-2024 | 75   | 40                | 10              | BDL             | Clear Sky / Light Breeze             |
|                            |            |  |                   |                 | 80              |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 08-03-2024                 | 09-03-2024 | 70   | 30                | 11              | BDL             | Clear Sky / Light Breeze             |
| 23-03-2024                 | 24-03-2024 | 66   | 30                | 12              | BDL             | Clear Sky / 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 : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: BNDOW1                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 11-03-2024  | 7.98             | 52            | 60           | BDL            |
| 26-03-2024  | 7.86             | 52            | 64           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>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, JULY-2015 |
| SAMPLING METHOD    | LSOP 6  |

| CHP: BNDON1   |                           | NOISE LEVEL IN dB(A) |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 11-03-2024                | 65.6                 | 64.5       |
| MAR'24  | 26-03-2024                | 64.7                 | 63.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| SASTI COLONY: BSUN2                                   |                           | NOISE LEVEL IN dB(A) |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 11-03-2024                | 42.5                 | 41.9       |
| MAR'24  | 26-03-2024                | 42.6                 | 41.6       |
| <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. 4094423068



MARCH 2024

Environment Laboratory  
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|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/47   | DATE OF ISSUE   | 29/04/2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| MINE OFFICE BP20A1  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>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              |                                      |
| 09-03-2024  | 10-03-2024 | 278  | 166              | 55                | 15              | 11              | Clear Sky / Light Breeze             |
| 23-03-2024  | 24-03-2024 | 297  | 174              | 62                | 16              | 10              | Clear Sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E), dt.<br>25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| SUBSTATION BP20A2   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>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              |                                      |
| 09-03-2024  | 10-03-2024 | 245  | 159              | 46                | 14              | 11              | Clear Sky / Light Breeze             |
| 23-03-2024  | 24-03-2024 | 250  | 140              | 46                | 16              | 10              | Clear Sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E), dt.<br>25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| SAKHARI VILLAGE BP20A3     |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |  |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |  |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                      |  |
| 01-03-2024                 | 02-03-2024 | 78   | 30                | 14              | BDL             | Clear Sky / Light Breeze             |  |
| 07-03-2024                 | 08-03-2024 | 74   | 36                | 12              | BDL             | Clear Sky / Light Breeze             |  |
| 08-03-2024                 | 09-03-2024 | 68   | 32                | 12              | BDL             | Clear Sky / Light Breeze             |  |
| 14-03-2024                 | 15-03-2024 | 79   | 30                | 14              | BDL             | Clear Sky / Light Breeze             |  |
| 15-03-2024                 | 16-03-2024 | 66   | 30                | 11              | BDL             | Clear Sky / Light Breeze             |  |
| 21-03-2024                 | 22-03-2024 | 69   | 32                | 11              | BDL             | Clear Sky / Calm                     |  |
| 22-03-2024                 | 23-03-2024 | 65   | 30                | 12              | BDL             | Clear Sky / Calm                     |  |
| 28-03-2024                 | 29-03-2024 | 64   | 33                | 10              | BDL             | Clear Sky / Calm                     |  |
| 29-03-2024                 | 30-03-2024 | 74   | 30                | 10              | BDL             | Clear Sky / Calm                     |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

| WORKSHOP PAUNI OC BPOA2   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>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              |                                      |
| 09-03-2024  | 10-03-2024 | 269  | 165              | 54                | 16              | 10              | Clear Sky /Light Breeze              |
| 24-03-2024  | 25-03-2024 | 270  | 165              | 52                | 14              | BDL             | Clear Sky /Light Breeze              |
| STANDARDS FOR COAL MINE, GSR 742(E), dt.<br>25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |



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

|                    |  |  |
|--------------------|--|--|
| SAMPLE DESCRIPTION | Water sample   |  |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: BP2OW1                             |                  |               |              |                |
|--|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                             | ANALYSIS RESULTS |               |              |                |
|  | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT  | 2                | 10            | 4            | 2              |
| 08-03-2024   | 7.59             | 48            | 40           | BDL            |
| 23-03-2024   | 7.96             | 40            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt. 25-09-<br>2000 | 5.5 - 9.0        | 100           | 250          | 10             |

  
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| <b>Environment Laboratory CMPDI<br/>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, JULY-2015 |
| SAMPLING METHOD    | LSOP 6  |

| MANAGER OFFICE:                                       |                 | BPON1                |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 11-03-2024      | 56.9                 | 55.8       |
| MAR'24  | 26-03-2024      | 56.5                 | 55.6       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>75</b>            | <b>70</b>  |

| CHP   |                 | BPON2                |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 11-03-2024      | 65.5                 | 64.9       |
| MAR'24  | 26-03-2024      | 64.6                 | 63.7       |
| <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. 4094423068



MARCH 2024

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

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/46   | DATE OF ISSUE   | 29/04/2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| 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) |
|  |            | 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              |                                   |
| 09-03-2024   | 10-03-2024 | 324  | 198              | 60                | 16              | 12              | Clear Sky /Light Breeze           |
| 24-03-2024   | 25-03-2024 | 325  | 189              | 65                | 14              | 10              | Clear 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) |
|  |            | 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              |                                   |
| 09-03-2024   | 10-03-2024 | 269  | 165              | 54                | 16              | 10              | Clear Sky /Light Breeze           |
| 24-03-2024   | 25-03-2024 | 270  | 165              | 52                | 14              | BDL             | Clear 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) |
|                           |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |  |                                   |
| FROM                      | TO         | 5  | 2                 | 6               | 10              |  |                                   |
| 09-03-2024                | 10-03-2024 | 84   | 31                | 12              | BDL             |  | Clear Sky /Light Breeze           |
| 24-03-2024                | 25-03-2024 | 76   | 37                | 10              | BDL             |  | Clear Sky /Light Breeze           |
| NAAQS, 2009               |            | 100  | 60                | 80              | 80              |  |                                   |

| GOURI VILLAGE BGOA4       |            |  |                   |                 |                 |  |                                   |
|---------------------------|------------|--|-------------------|-----------------|-----------------|--|-----------------------------------|
| DATE(dd:mm:yy)OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT CONDITIONS (Sky/Wind) |
|                           |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |  |                                   |
| FROM                      | TO         | 5  | 2                 | 6               | 10              |  |                                   |
| 09-03-2024                | 10-03-2024 | 79   | 26                | 12              | BDL             |  | Clear Sky / Light Breeze          |
| 24-03-2024                | 25-03-2024 | 80   | 34                | 13              | BDL             |  | Clear Sky / Light Breeze          |
| NAAQS, 2009               |            | 100  | 60                | 80              | 80              |  |                                   |

  
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|   |  |  |  |   |
|---|--|--|--|---|
| <b>Environment Laboratory CMPDI<br/>RI-IV, NAGPUR</b> |  | <b>Test Report</b>   |  |  |
| SAMPLE DESCRIPTION                                    | Water sample   |  |  |   |
| Test Required   | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |  |   |
| SAMPLING METHOD                                       | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-03-24 TO 15-04-24 |  |   |

| <b>MINE WATER DISCHARGE: BPOW1</b>                   |                  |               |              |                |
|--|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|  | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                      | 2                | 10            | 4            | 2              |
| 09-03-2024   | 7.55             | 48            | 36           | BDL            |
| 24-03-2024   | 7.51             | 36            | 48           | BDL            |
| STANDARDS FOR COAL MINE,<br>GSR 742E, dt. 25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| <b>ETP DISCHARGE: BPOW2</b>                          |                  |               |              |                |
|--|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|  | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                      | 2                | 10            | 4            | 2              |
| 09-03-2024   | 7.89             | 56            | 44           | BDL            |
| 24-03-2024   | 7.67             | 48            | 28           | BDL            |
| STANDARDS FOR COAL MINE,<br>GSR 742E, dt. 25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**

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

| <b>MANAGER OFFICE:</b>                                |                           | <b>BPON1</b>         |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 11-03-2024                | 55.8                 | 54.7       |
| MAR'24  | 26-03-2024                | 57.9                 | 56.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| <b>GOURI COLONY:</b>                                  |                           | <b>BSON2</b>         |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 11-03-2024                | 43.8                 | 42.7       |
| MAR'24  | 26-03-2024                | 43.7                 | 42.8       |
| <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. 4094423068



MARCH 2024

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

|                           |  |                 |                      |
|---------------------------|--|-----------------|----------------------|
| TEST REPORT NO.           | RIN/TR/MAR-24/48   | DATE OF ISSUE   | 29/04/2024           |
| NAME OF CUSTOMER          | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED             | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION        | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : L SOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| 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) |
|  |            | 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              |                                   |
| 09-03-2024   | 10-03-2024 | 289  | 174              | 58                | 21              | 14              | Clear sky / calm                  |
| 23-03-2024   | 24-03-2024 | 287  | 179              | 60                | 18              | 12              | Clear 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>      |                                   |

| AREA STORE   BSOA2   |            |  |                  |                   |                 |                 |                                   |
|--|------------|--|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| 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              |                                   |
| 09-03-2024   | 10-03-2024 | 246  | 149              | 48                | 18              | 12              | Clear sky / calm                  |
| 23-03-2024   | 24-03-2024 | 247  | 152              | 45                | 15              | 11              | Clear 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>      |                                   |

| GOURI COLONY FILTER PLANT   BSOA3 |            |  |                   |                 |                 |                                   |
|-----------------------------------|------------|--|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING        |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|                                   |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM                              | TO         | 5  | 2                 | 6               | 10              |                                   |
| 01-03-2024                        | 02-03-2024 | 84   | 36                | 11              | BDL             | Clear Sky /Calm                   |
| 07-03-2024                        | 08-03-2024 | 68   | 28                | 9               | BDL             | Clear Sky /Calm                   |
| 08-03-2024                        | 09-03-2024 | 74   | 36                | 12              | BDL             | Clear Sky /Calm                   |
| 14-03-2024                        | 15-03-2024 | 56   | 27                | 10              | BDL             | Clear Sky /Calm                   |
| 15-03-2024                        | 16-03-2024 | 78   | 31                | 11              | BDL             | Clear Sky /Calm                   |
| 21-03-2024                        | 22-03-2024 | 74   | 28                | 14              | BDL             | Clear Sky /Calm                   |
| 22-03-2024                        | 23-03-2024 | 81   | 40                | 10              | BDL             | Clear Sky /Calm                   |
| 28-03-2024                        | 29-03-2024 | 80   | 36                | 9               | BDL             | Clear Sky /Calm                   |
| 29-03-2024                        | 30-03-2024 | 74   | 32                | 8               | BDL             | Clear Sky /Calm                   |
| NAAQS, 2009                       |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                   |

| SASTI VILLAGE   BSUA4      |            |  |                   |                 |                 |                                   |
|----------------------------|------------|--|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                   |
| 01-03-2024                 | 02-03-2024 | 78   | 30                | 10              | BDL             | Clear Sky /Calm                   |
| 07-03-2024                 | 08-03-2024 | 80   | 30                | 10              | BDL             | Clear Sky /Calm                   |
| 08-03-2024                 | 09-03-2024 | 72   | 27                | 10              | BDL             | Clear Sky /Calm                   |
| 14-03-2024                 | 15-03-2024 | 59   | 25                | 9               | BDL             | Clear Sky /Calm                   |
| 15-03-2024                 | 16-03-2024 | 74   | 26                | 10              | BDL             | Clear Sky /Calm                   |
| 21-03-2024                 | 22-03-2024 | 68   | 29                | 12              | BDL             | Clear Sky /Calm                   |
| 22-03-2024                 | 23-03-2024 | 66   | 32                | 11              | BDL             | Clear Sky /Calm                   |
| 28-03-2024                 | 29-03-2024 | 70   | 22                | 10              | BDL             | Clear Sky /Calm                   |
| 29-03-2024                 | 30-03-2024 | 82   | 31                | 11              | BDL             | Clear Sky /Calm                   |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                   |



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

|                    |  |  |
|--------------------|--|--|
| SAMPLE DESCRIPTION | Water sample   |  |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE:                             |                  | BSOW1         |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                   | 2                | 10            | 4            | 2              |
| 08-03-2024  | 7.75             | 44            | 52           | BDL            |
| 23-03-2024  | 7.87             | 32            | 36           | BDL            |
| STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000 | 5.5 - 9.0        | 100           | 36           | 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              |
| 08-03-2024  | 7.56             | 34            | 48           | BDL            |
| 23-03-2024  | 8.43             | 64            | 72           | 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            |  |
| 08-03-2024  | 34               | 10.2         |  |
| 23-03-2024  | 36               | 12.5         |  |
| GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993 | 100              | 30           |  |



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

**NOISE LEVEL MONITORING DATA**

|                    |   |
|--------------------|---|
| SAMPLE DESCRIPTION | NOISE SAMPLE  |
| Test Required      | CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, JULY-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         |
| MAR'24   | 11-03-2024                | 65.7                 | 64.6       |
| MAR'24   | 26-03-2024                | 63.8                 | 62.9       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>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         |
| MAR'24   | 11-03-2024                | 43.8                 | 42.7       |
| MAR'24   | 26-03-2024                | 43.7                 | 42.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>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. 4094423068



MARCH 2024

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

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|   |  |  |  |   |  |
|---|--|--|--|---|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b>   |  |  |  |
| TEST REPORT NO.                                       |  | RIN/TR/MAR-24/49   |  | DATE OF ISSUE   |  |
| NAME OF CUSTOMER                                      |  | GM(ENV.), WCL(HQ), NAGPUR  |  |   |  |
| TEST REQUIRED   |  | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |  |   |  |
| SAMPLE DESCRIPTION                                    |  | AIR SAMPLE   |  | SAMPLING PLAN : LQR 47  |  |
| SAMPLING METHOD : LSOP 4                              |  | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |  | 16-03-24 TO 15-04-24  |  |

| SAM OFFICE-DHOPTALA SUB AREA   BND0A1                                       |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 10-03-2024  | 11-03-2024 | 245  | 169              | 49                | 16              | 10              | Clear Sky / Light Breeze             |
| 25-03-2024  | 26-03-2024 | 254  | 154              | 48                | 16              | 12              | Clear Sky / Light Breeze             |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| MANAGER OFFICE-DHOPTALA OC   BND0A2   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 11-03-2024  | 12-03-2024 | 287  | 180              | 60                | 14              | 10              | Clear Sky / Light Breeze             |
| 26-03-2024  | 27-03-2024 | 298  | 185              | 59                | 20              | 15              | Clear Sky / Light Breeze             |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| SASTI COLONY   BSUA3       |            |  |                   |                 |                 |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 09-03-2024                 | 10-03-2024 | 84   | 36                | 14              | BDL             | Clear Sky / Light Breeze             |
| 23-03-2024                 | 24-03-2024 | 75   | 40                | 10              | BDL             | Clear Sky / Light Breeze             |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

| SASTI VILLAGE   BSUA4      |            |  |                   |                 |                 |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 01-03-2024                 | 02-03-2024 | 78   | 30                | 10              | BDL             | Clear Sky /Calm                      |
| 07-03-2024                 | 08-03-2024 | 80   | 30                | 10              | BDL             | Clear Sky /Calm                      |
| 08-03-2024                 | 09-03-2024 | 72   | 27                | 10              | BDL             | Clear Sky /Calm                      |
| 14-03-2024                 | 15-03-2024 | 59   | 25                | 9               | BDL             | Clear Sky /Calm                      |
| 15-03-2024                 | 16-03-2024 | 74   | 26                | 10              | BDL             | Clear Sky /Calm                      |
| 21-03-2024                 | 22-03-2024 | 68   | 29                | 12              | BDL             | Clear Sky /Calm                      |
| 22-03-2024                 | 23-03-2024 | 66   | 32                | 11              | BDL             | Clear Sky /Calm                      |
| 28-03-2024                 | 29-03-2024 | 70   | 22                | 10              | BDL             | Clear Sky /Calm                      |
| 29-03-2024                 | 30-03-2024 | 82   | 31                | 11              | BDL             | Clear Sky /Calm                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |



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

**NOISE LEVEL MONITORING DATA**

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

| FAN HOUSE:  |                              | BSUN1                |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 11-03-2024                   | 45.9                 | 44.8       |
| MAR'24  | 26-03-2024                   | 45.6                 | 44.7       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| SASTI COLONY:   |                              | BSUN2                |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 11-03-2024                   | 42.5                 | 41.9       |
| MAR'24  | 26-03-2024                   | 42.6                 | 41.6       |
| <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. 4094423068



MARCH 2024

**Environment Laboratory**  
**NABL Accredited vide Cert. No. TC-7102**  
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|---|--------------------|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |            |
|--------------------------|--|-----------------|------------|
| TEST REPORT NO.          | RIN/TR/MARCH-24/31   | DATE OF ISSUE   | 29-04-2024 |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |            |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |            |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47     |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 |            |

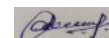
| BHATADI SECURITY POST CBOA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|   |            | 5  | 5                | 2                 | 6               | 10              |                                      |
| 01-03-2024  | 02-03-2024 | 331  | 200              | 53                | 34              | 24              | Clear Sky/Light Breeze               |
| 16-03-2024  | 17-03-2024 | 310  | 187              | 50                | 29              | 22              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| BHATADI MANAGER OFFICE CBOA2  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|   |            | 5  | 5                | 2                 | 6               | 10              |                                      |
| 01-03-2024  | 02-03-2024 | 315  | 170              | 50                | 27              | 21              | Clear Sky/Light Breeze               |
| 16-03-2024  | 17-03-2024 | 302  | 159              | 46                | 24              | 19              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |


| BHATADI VILLAGE CBOA3      |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|                            |            | 5  | 2                 | 6               | 10              |                                      |  |
| 02-03-2024                 | 03-03-2024 | 78   | 31                | 23              | 16              | Clear Sky/Light Breeze               |  |
| 17-03-2024                 | 18-03-2024 | 71   | 23                | 18              | 11              | Clear Sky/Light Breeze               |  |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |  |

| VADHOLI VILLAGE CBOA4      |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|                            |            | 5  | 2                 | 6               | 10              |                                      |  |
| 02-03-2024                 | 03-03-2024 | 80   | 27                | 21              | 15              | Clear Sky/Light Breeze               |  |
| 17-03-2024                 | 18-03-2024 | 75   | 24                | 18              | 13              | Clear Sky/Light Breeze               |  |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |  |

| BHATADI COLONY CBOA5       |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|                            |            | 5  | 2                 | 6               | 10              |                                      |  |
| 01-03-2024                 | 02-03-2024 | 73   | 23                | 20              | 12              | Clear Sky/Light Breeze               |  |
| 16-03-2024                 | 17-03-2024 | 76   | 29                | 22              | 14              | Clear Sky/Light Breeze               |  |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |  |



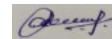
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|   |  |   |  |   |  |
|---|--|---|--|---|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b>                        |  |  |  |
| SAMPLE DESCRIPTION                                    | Water sample   |   |  |   |  |
| 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 : |  |   |  |

| MINE WATER DISCHARGE: CBOW1                          |                  |               |              |                |
|--|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|  | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                      | 2                | 10            | 4            | 2              |
| 02.03.2024   | 8.23             | 26            | 28           | BDL            |
| 17.03.2024   | 8.14             | 31            | 36           | BDL            |
| STANDARDS FOR COAL MINE,<br>GSR 742E, dt. 25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP DISCHARGE: CBOW2                                    |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 02.03.2024  | 8.29             | 34            | 40           | BDL            |
| 17.03.2024  | 8.11             | 28            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| STP(DOMESTIC EFFLUENT)TREATED: CBOW3  |                  |              |
|---|------------------|--------------|
| DATE OF SAMPLE<br>COLLECTION  | ANALYSIS RESULTS |              |
|   | TSS (in mg/l)    | BOD(in mg/l) |
| DETECTION LIMIT   | 10               | 2            |
| 02.03.2024  | 26               | 7.8          |
| 17.03.2024  | 22               | 9.0          |
| GENERAL STANDARDS FOR<br>DISCHARGE OF ENVIRONMENT<br>POLLUTANTS GSR 801E EPA 1993 | 100              | 30           |



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

**NOISE LEVEL MONITORING DATA**

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

| CHP: CBON1  |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 07-03-2024                   | 66.8                 | 65.6       |
| MAR'24  | 21-03-2024                   | 63.6                 | 62.7       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| COLONY: CBON2   |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 07-03-2024                   | 42.9                 | 41.7       |
| MAR'24  | 21-03-2024                   | 42.6                 | 41.6       |
| <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. 4094423068



MARCH 2024

**Environment Laboratory**  
**NABL Accredited vide Cert. No. TC-7102**  
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|   |                    |  |
|---|--------------------|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |            |
|--------------------------|--|-----------------|------------|
| TEST REPORT NO.          | RIN/TR/MARCH-24/32   | DATE OF ISSUE   | 29-04-2024 |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |            |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |            |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47     |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 |            |

| MANAGER OFFICE MAHAKALI UG CMKUA1  |            |  |                  |                   |                 |                 |                                   |
|--|------------|--|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| 04-03-2024   | 05-03-2024 | 290  | 162              | 49                | 25              | 21              | Clear Sky/Light Breeze            |
| 19-03-2024   | 20-03-2024 | 274  | 146              | 38                | 22              | 17              | Rainy /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> |                                   |
| 04-03-2024   | 05-03-2024 | 306  | 168              | 51                | 28              | 23              | Clear Sky/Light Breeze            |
| 19-03-2024   | 20-03-2024 | 280  | 151              | 42                | 25              | 19              | Rainy /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> |                                   |
| 05-03-2024   | 06-03-2024 | 266  | 157              | 46                | 23              | 14              | Clear Sky/Light Breeze            |
| 20-03-2024   | 21-03-2024 | 251  | 153              | 44                | 20              | 17              | Clear Sky/Light Breeze            |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                   |

| COLONY (MAHAKALI UG) CMKUA2 |            |  |                   |                 |                 |                                   |  |
|-----------------------------|------------|--|-------------------|-----------------|-----------------|-----------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |  |
| FROM                        | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |  |
| 04-03-2024                  | 05-03-2024 | 74   | 23                | 18              | 13              | Clear Sky/Light Breeze            |  |
| 19-03-2024                  | 20-03-2024 | 68   | 19                | 15              | 10              | Rainy /Light Breeze               |  |
| 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  |

| CHP: CCRUN1   |                           | NOISE LEVEL IN dB(A) |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | DAY TIME             | NIGHT TIME |
|   |                           | DETECTION LIMIT      | 20         |
| MAR'24  | 07-03-2024                | 62.6                 | 61.9       |
| MAR'24  | 21-03-2024                | 62.9                 | 61.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| COLONY: CCRUN2  |                           | NOISE LEVEL IN dB(A) |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | DAY TIME             | NIGHT TIME |
|   |                           | DETECTION LIMIT      | 20         |
| MAR'24  | 07-03-2024                | 44.7                 | 43.5       |
| MAR'24  | 21-03-2024                | 42.5                 | 41.5       |
| <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. 4094423068



MARCH 2024

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

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|---|--------------------|--|

|                          |  |                 |            |
|--------------------------|--|-----------------|------------|
| TEST REPORT NO.          | RIN/TR/MARCH-24/33   | DATE OF ISSUE   | 29-04-2024 |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |            |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |            |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47     |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 |            |

| PIT OFFICE-DRC- III UG   CDRUA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>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              |                                      |
| 04-03-2024  | 05-03-2024 | 278  | 167              | 49                | 24              | 19              | Clear Sky/Light Breeze               |
| 19-03-2024  | 20-03-2024 | 253  | 141              | 38                | 20              | 14              | Rainy /Light Breeze                  |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| NEHRU NAGAR- SUBSTATION   CDRUA2  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|   |            | 5  | 5                | 2                 | 6               | 10              |                                      |
| 03-03-2024  | 04-03-2024 | 276  | 159              | 48                | 25              | 16              | Clear Sky/Light Breeze               |
| 18-03-2024  | 19-03-2024 | 264  | 151              | 41                | 20              | 14              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| DRC- V COLONY   CDRUA3     |            |  |                   |                 |                 |                        |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|------------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                        | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                        |                                      |
|                            |            | 5  | 2                 | 6               | 10              |                        |                                      |
| 03-03-2024                 | 04-03-2024 | 71   | 19                | 14              | 11              | Clear Sky/Light Breeze |                                      |
| 18-03-2024                 | 19-03-2024 | 74   | 23                | 18              | 12              | Clear Sky/Light Breeze |                                      |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                        |                                      |

| PIT OFFICE DRC-IV   CDRUA4  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|   |            | 5  | 5                | 2                 | 6               | 10              |                                      |
| 03-03-2024  | 04-03-2024 | 256  | 150              | 40                | 21              | 16              | Clear Sky/Light Breeze               |
| 18-03-2024  | 19-03-2024 | 270  | 160              | 49                | 26              | 22              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

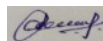


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|---|--------------------|--|

|                    |  |   |
|--------------------|--|---|
| 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 : |

| MINE WATER DISCHARGE:                                    |                  | CDRUW1        |              |                |
|--|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                             | ANALYSIS RESULTS |               |              |                |
|  | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT  | 2                | 10            | 4            | 2              |
| 14.03.2024   | 8.12             | 28            | 32           | BDL            |
| 19.03.2024   | 7.80             | 24            | 28           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt. 25-<br>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: CDRUN1                                     |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   |                              | DETECTION LIMIT      | 20         |
| MAR'24  | 07-03-2024                   | 67.5                 | 66.8       |
| MAR'24  | 21-03-2024                   | 66.8                 | 65.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| DURGAPUR COLONY: CDRUN2                               |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   |                              | DETECTION LIMIT      | 20         |
| MAR'24  | 07-03-2024                   | 43.7                 | 42.8       |
| MAR'24  | 21-03-2024                   | 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. 4094423068



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7182 |
|---|--------------------|--|

|                          |  |                 |            |
|--------------------------|--|-----------------|------------|
| TEST REPORT NO.          | RIN/TR/MARCH-24/34   | DATE OF ISSUE   | 29-04-2024 |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |            |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |            |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47     |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 |            |

| MANAGER OFFICE-SECTOR V   CDOA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 02-03-2024  | 03-03-2024 | 311  | 163              | 48                | 29              | 20              | Clear Sky/Calm                       |
| 16-03-2024  | 17-03-2024 | 321  | 175              | 51                | 38              | 25              | Clear Sky/Calm                       |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                |                                      |
| 01-03-2024                 | 02-03-2024 | 80   | 32                | 23              | 15              | Clear Sky/Calm |                                      |
| 07-03-2024                 | 08-03-2024 | 76   | 29                | 20              | 13              | Clear Sky/Calm |                                      |
| 08-03-2024                 | 09-03-2024 | 73   | 23                | 19              | 16              | Clear Sky/Calm |                                      |
| 14-03-2024                 | 15-03-2024 | 75   | 25                | 21              | 18              | Clear Sky/Calm |                                      |
| 15-03-2024                 | 16-03-2024 | 81   | 35                | 24              | 19              | Clear Sky/Calm |                                      |
| 21-03-2024                 | 22-03-2024 | 79   | 34                | 23              | 14              | Clear Sky/Calm |                                      |
| 22-03-2024                 | 23-03-2024 | 74   | 31                | 22              | 17              | Clear Sky/Calm |                                      |
| 28-03-2024                 | 29-03-2024 | 77   | 32                | 20              | 16              | Clear Sky/Calm |                                      |
| 29-03-2024                 | 30-03-2024 | 72   | 24                | 16              | 12              | Clear Sky/Calm |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                |                                      |

| MANAGER OFFICE Q-IV   CDOA3 ( Durgapur OC)                                  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 02-03-2024  | 03-03-2024 | 310  | 168              | 49                | 31              | 21              | Clear Sky/Calm                       |
| 16-03-2024  | 17-03-2024 | 319  | 183              | 54                | 36              | 24              | Clear Sky/Calm                       |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
| FROM                                | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                |                                      |
| 01-03-2024                          | 02-03-2024 | 85   | 36                | 29              | 22              | Clear Sky/Calm |                                      |
| 07-03-2024                          | 08-03-2024 | 81   | 32                | 26              | 20              | Clear Sky/Calm |                                      |
| 08-03-2024                          | 09-03-2024 | 76   | 29                | 23              | 16              | Clear Sky/Calm |                                      |
| 14-03-2024                          | 15-03-2024 | 80   | 34                | 26              | 20              | Clear Sky/Calm |                                      |
| 15-03-2024                          | 16-03-2024 | 74   | 25                | 24              | 18              | Clear Sky/Calm |                                      |
| 21-03-2024                          | 22-03-2024 | 83   | 36                | 26              | 20              | Clear Sky/Calm |                                      |
| 22-03-2024                          | 23-03-2024 | 79   | 31                | 25              | 21              | Clear Sky/Calm |                                      |
| 28-03-2024                          | 29-03-2024 | 75   | 28                | 21              | 15              | Clear Sky/Calm |                                      |
| 29-03-2024                          | 30-03-2024 | 78   | 31                | 22              | 18              | Clear Sky/Calm |                                      |
| 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 : |

| MINE WATER DISCHARGE Q-II CDOW1                         |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 09.03.2024  | 8.12             | 26            | 24           | BDL            |
| 22.03.2024  | 7.65             | 31            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| MINE WATER DISCHARGE Q-V CDOW2                          |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 09.03.2024  | 2.86             | 25            | 36           | BDL            |
| 22.03.2024  | 2.76             | 22            | 28           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP(WORKSHOP): CDOW3                                    |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 09.03.2024  | 8.26             | 26            | 36           | BDL            |
| 22.03.2024  | 7.81             | 21            | 28           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| STP(DOMESTIC EFFLUENT): CDOW4   |                  |              |
|---|------------------|--------------|
| DATE OF SAMPLE<br>COLLECTION  | ANALYSIS RESULTS |              |
|   | TSS (in mg/l)    | BOD(in mg/l) |
| DETECTION LIMIT   | 10               | 2            |
| 09.03.2024  | 20               | 7.2          |
| 22.03.2024  | 25               | 8.4          |
| GENERAL STANDARDS FOR<br>DISCHARGE OF ENVIRONMENT<br>POLLUTANTS GSR 801E EPA 1993 | 100              | 30           |



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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:  |                           | CDON1                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
|   |                           | 20                   | 20         |
| MAR'24  | 07-03-2024                | 66.6                 | 65.7       |
| MAR'24  | 21-03-2024                | 64.7                 | 63.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| DURGAPUR COLONY:                                      |                           | CDON2                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
|   |                           | 20                   | 20         |
| MAR'24  | 07-03-2024                | 43.7                 | 42.8       |
| MAR'24  | 21-03-2024                | 43.6                 | 42.7       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>55</b>            | <b>45</b>  |



Ashwin B Wasnik  
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## ENVIRONMENTAL MONITORING REPORT

### HLP-I & III UG

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



MARCH 2024

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

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

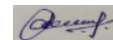
|                          |  |                 |            |
|--------------------------|--|-----------------|------------|
| TEST REPORT NO.          | RIN/TR/MARCH-24/37   | DATE OF ISSUE   | 29-04-2024 |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |            |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <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:   |                 |            |

| SUBSTATION HLC I UG CHUA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 05-03-2024  | 06-03-2024 | 280  | 164              | 47                | 23              | 20              | Clear Sky/Light Breeze               |
| 20-03-2024  | 21-03-2024 | 292  | 171              | 52                | 27              | 24              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>CONDITIONS (Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 05-03-2024  | 06-03-2024 | 285  | 172              | 48                | 25              | 19              | Clear Sky/Light Breeze               |
| 20-03-2024  | 21-03-2024 | 271  | 163              | 43                | 22              | 15              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>CONDITIONS (Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 05-03-2024                 | 06-03-2024 | 74   | 22                | 19              | 13              | Clear Sky/Light Breeze               |  |
| 20-03-2024                 | 21-03-2024 | 69   | 19                | 16              | 10              | Clear Sky/Light Breeze               |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

| RAJIV GANDHI ENGG. COLLEGE CHUA4 |            |  |                   |                 |                 |                        |  |
|----------------------------------|------------|--|-------------------|-----------------|-----------------|------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING       |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | Rainy/Windy            |  |
| FROM                             | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                        |  |
| 06-03-2024                       | 07-03-2024 | 68   | 21                | 18              | 12              | Clear Sky/Light Breeze |  |
| 21-03-2024                       | 22-03-2024 | 72   | 24                | 20              | 15              | Clear Sky/Light Breeze |  |
| NAAQS, 2009                      |            | 100  | 60                | 80              | 80              |                        |  |



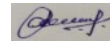
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|   |                    |  |
|---|--------------------|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

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

| MINE WATER DISCHARGE(HLP-III): CHUW1                    |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 05.03.2024  | 7.80             | 24            | 32           | BDL            |
| 20.03.2024  | 7.83             | 20            | 24           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| MINE WATER DISCHARGE(HLP-I): CHUW2                      |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 05.03.2024  | 7.72             | 23            | 28           | BDL            |
| 20.03.2024  | 7.54             | 27            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>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:  |                           | CHUN1                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 07-03-2024                | 67.9                 | 66.5       |
| MAR'24  | 21-03-2024                | 67.6                 | 66.5       |
| <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         |
| MAR'24  | 07-03-2024                | 43.5                 | 42.6       |
| MAR'24  | 21-03-2024                | 42.7                 | 41.6       |
| <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. 4094423068




MARCH 2024



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

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MARCH-24/35   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-02-24 TO 15-03-24 |

| MANAGER OFFICE (NANDGAON UG)   CNUA1  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 07-03-2024  | 08-03-2024 | 290  | 159              | 49                | 23              | 18              | Clear Sky/Light Breeze               |
| 22-03-2024  | 23-03-2024 | 275  | 142              | 40                | 19              | 15              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(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              |                                      |
| 06-03-2024  | 07-03-2024 | 327  | 172              | 55                | 32              | 22              | Clear Sky/Light Breeze               |
| 21-03-2024  | 22-03-2024 | 320  | 165              | 49                | 27              | 19              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| MANA VILLAGE   CMUA3       |            |  |                   |                 |                 |                        |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|------------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                        | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                        |                                      |
|                            |            | 5  | 2                 | 6               | 10              |                        |                                      |
| 07-03-2024                 | 08-03-2024 | 73   | 24                | 18              | 14              | Clear Sky/Light Breeze |                                      |
| 22-03-2024                 | 23-03-2024 | 69   | 19                | 16              | 11              | Clear Sky/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<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                        |                                      |
|                            |            | 5  | 2                 | 6               | 10              |                        |                                      |
| 07-03-2024                 | 08-03-2024 | 75   | 23                | 16              | 11              | Clear Sky/Light Breeze |                                      |
| 22-03-2024                 | 23-03-2024 | 67   | 20                | 13              | 10              | Clear Sky/Light Breeze |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                        |                                      |

| VTC   CHO3                 |            |  |                  |                   |                 |                 |                                      |
|----------------------------|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 06-03-2024                 | 07-03-2024 | 305  | 158              | 47                | 30              | 20              | Clear Sky/Light Breeze               |
| 21-03-2024                 | 22-03-2024 | 292  | 140              | 40                | 25              | 18              | Clear Sky/Light Breeze               |
| NAAQS, 2009                |            | 600  | 300              | 60                | 120             | 120             |                                      |



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

|                    |  |   |                      |
|--------------------|--|---|----------------------|
| SAMPLE DESCRIPTION | Water sample   |   |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |   |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : | 16-02-24 TO 15-03-24 |

| MINE WATER DISCHARGE: CHOW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 06.03.2024  | 7.93             | 28            | 36           | BDL            |
| 21.03.2024  | 7.75             | 35            | 44           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**

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

| CHP   |                           | CHON1                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 07-03-2024                | 65.6                 | 64.7       |
| MAR'24  | 21-03-2024                | 65.8                 | 64.7       |
| <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         |
| MAR'24  | 07-03-2024                | 43.7                 | 42.8       |
| MAR'24  | 21-03-2024                | 42.9                 | 41.8       |
| <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. 4094423068



MARCH 2024




Environment Laboratory  
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|   |  |                    |            |   |  |
|---|--|--------------------|------------|---|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b> |            |  |  |
| TEST REPORT NO.                                       | RIN/TR/MARCH-24/37   | DATE OF ISSUE      | 29-04-2024 |   |  |
| NAME OF CUSTOMER                                      | GM(ENV.), WCL(HQ), NAGPUR  |                    |            |   |  |
| TEST REQUIRED   | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                    |            |   |  |
| SAMPLE DESCRIPTION                                    | AIR SAMPLE   | SAMPLING PLAN :    |            | LQR 47  |  |
| SAMPLING METHOD : LSOP 4                              | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                    |            |   |  |

| MANAGER OFFICE MAHAKALI UG   CMKUA1   |            |   |                  |                   |                 |                 |                                      |
|---|------------|---|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 04-03-2024  | 05-03-2024 | 290   | 162              | 49                | 25              | 21              | Clear Sky/Light Breeze               |
| 19-03-2024  | 20-03-2024 | 274   | 146              | 38                | 22              | 17              | Rainy /Light Breeze                  |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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 µg/m <sup>3</sup> ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 04-03-2024  | 05-03-2024 | 306   | 168              | 51                | 28              | 23              | Clear Sky/Light Breeze               |
| 19-03-2024  | 20-03-2024 | 280   | 151              | 42                | 25              | 19              | Rainy /Light Breeze                  |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600   | 300              | -                 | 120             | 120             |                                      |

| JATWARA MILK SCHEME   CCRUA3(C.R.C-U/G)                                     |            |   |                  |                   |                 |                 |                                      |
|---|------------|---|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 05-03-2024  | 06-03-2024 | 266   | 157              | 46                | 23              | 14              | Clear Sky/Light Breeze               |
| 20-03-2024  | 21-03-2024 | 251   | 153              | 44                | 20              | 17              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600   | 300              | -                 | 120             | 120             |                                      |

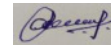
| COLONY (MAHAKALI UG)   CMKUA2 |            |   |                   |                 |                 |                        |                                      |
|-------------------------------|------------|---|-------------------|-----------------|-----------------|------------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING    |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                   |                 |                 |                        | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                          | TO         | PM <sub>10</sub>                                    | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                        |                                      |
|                               |            | 5   | 2                 | 6               | 10              |                        |                                      |
| 04-03-2024                    | 05-03-2024 | 74  | 23                | 18              | 13              | Clear Sky/Light Breeze |                                      |
| 19-03-2024                    | 20-03-2024 | 68  | 19                | 15              | 10              | Rainy /Light Breeze    |                                      |
| NAAQS, 2009                   |            | 100   | 60                | 80              | 80              |                        |                                      |



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|---|--|--|--|--|--|
| <b>Environment Laboratory<br/>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 :   |  |  |  |

| MINE WATER DISCHARGE: CMKUW1                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 04.03.2024  | 7.91             | 21            | 28           | BDL            |
| 19.03.2024  | 7.55             | 25            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**

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

| <b>FAN HOUSE: CMKUN1</b>                                  |                              | NOISE LEVEL IN dB(A) |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | DAY TIME             | NIGHT TIME |
|   |                              | DETECTION LIMIT      | 20         |
| MAR'24  | 07-03-2024                   | 64.5                 | 63.6       |
| MAR'24  | 21-03-2024                   | 58.7                 | 57.6       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| <b>COLONY(MAHAKALI): CMKUN2</b>                           |                              | NOISE LEVEL IN dB(A) |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | DAY TIME             | NIGHT TIME |
|   |                              | DETECTION LIMIT      | 20         |
| MAR'24  | 07-03-2024                   | 43.6                 | 42.7       |
| MAR'24  | 21-03-2024                   | 43.5                 | 42.9       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>RULES</b> |                              | <b>55</b>            | <b>45</b>  |



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## ENVIRONMENTAL MONITORING REPORT

### MANA UG

CHANDRAPUR AREA

**WESTERN COALFIELDS LTD.**


JOB NO. 4094423068



MARCH 2024

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

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

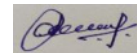
|                          |  |                 |            |
|--------------------------|--|-----------------|------------|
| TEST REPORT NO.          | RIN/TR/MARCH-24/38   | DATE OF ISSUE   | 29-04-2024 |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |            |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <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:   |                 |            |

| MANAGER OFFICE   CMUA1  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 06-03-2024  | 07-03-2024 | 262  | 153              | 40                | 20              | 15              | Clear Sky/Light Breeze               |
| 21-03-2024  | 22-03-2024 | 276  | 163              | 47                | 24              | 20              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| SUBSTATION MANA INCLINE   CMUA2   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 07-03-2024  | 08-03-2024 | 301  | 160              | 49                | 28              | 25              | Clear Sky/Light Breeze               |
| 22-03-2024  | 23-03-2024 | 291  | 154              | 46                | 23              | 19              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| COLONY (NANDGAON)   CNUA2  |            |  |                   |                 |                 |    |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|----|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |    | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |    |                                      |
| 07-03-2024                 | 08-03-2024 | 75   | 23                | 16              | 11              | 11 | Clear Sky/Light Breeze               |
| 22-03-2024                 | 23-03-2024 | 67   | 20                | 13              | 10              | 10 | Clear Sky/Light Breeze               |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |    |                                      |

| MANA VILLAGE   CMUA3       |            |  |                   |                 |                 |    |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|----|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |    | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |    |                                      |
| 07-03-2024                 | 08-03-2024 | 73   | 24                | 18              | 14              | 14 | Clear Sky/Light Breeze               |
| 22-03-2024                 | 23-03-2024 | 69   | 19                | 16              | 11              | 11 | Clear Sky/Light Breeze               |
|                            |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |    |                                      |

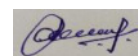


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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> |  |
|---|--------------------|---|

|                    |  |   |
|--------------------|--|---|
| 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 : |

| MINE WATER DISCHARGE: CMUW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 06.03.2024  | 7.80             | 24            | 32           | BDL            |
| 21.03.2024  | 7.83             | 21            | 24           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>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:  |                           | CMUN1                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 07-03-2024                | 65.9                 | 64.5       |
| MAR'24  | 21-03-2024                | 60.6                 | 59.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| COLONY(HLP OC):                                       |                           | CHON2                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 07-03-2024                | 43.7                 | 42.8       |
| MAR'24  | 21-03-2024                | 42.9                 | 41.8       |
| <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. 4094423068



MARCH 2024

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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
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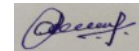
|                          |  |                 |            |
|--------------------------|--|-----------------|------------|
| TEST REPORT NO.          | RIN/TR/MARCH-24/39   | DATE OF ISSUE   | 29-04-2024 |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |            |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |            |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47     |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 |            |

| MANAGER OFFICE NANDGAON UG  |            | CNUA1  |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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> |                                      |
| 07-03-2024  | 08-03-2024 | 290  | 159              | 49                | 23              | 18              | Clear Sky/Light Breeze               |
| 22-03-2024  | 23-03-2024 | 275  | 142              | 40                | 19              | 15              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| SUBSTATION MANA INCLINE   |            | CMUA2  |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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> |                                      |
| 07-03-2024  | 08-03-2024 | 301  | 160              | 49                | 28              | 25              | Clear Sky/Light Breeze               |
| 22-03-2024  | 23-03-2024 | 291  | 154              | 46                | 23              | 19              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| MANA VILLAGE               |            | CMUA4  |                   |                 |                 |                        | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|------------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                        |                                      |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                        |                                      |
| 07-03-2024                 | 08-03-2024 | 73   | 24                | 18              | 14              | Clear Sky/Light Breeze |                                      |
| 22-03-2024                 | 23-03-2024 | 69   | 19                | 16              | 11              | Clear Sky/Light Breeze |                                      |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                        |                                      |

| COLONY (NANDGAON)          |            | CNUA2  |                   |                 |                 |                        | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|------------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                        |                                      |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                        |                                      |
| 07-03-2024                 | 08-03-2024 | 75   | 23                | 16              | 11              | Clear Sky/Light Breeze |                                      |
| 22-03-2024                 | 23-03-2024 | 67   | 20                | 13              | 10              | Clear Sky/Light Breeze |                                      |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                        |                                      |

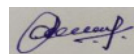


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|---|--------------------|---|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> |  |
|---|--------------------|---|

|                    |  |   |
|--------------------|--|---|
| 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 : |

| MINE WATER DISCHARGE: CNUW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 07.03.2024  | 7.91             | 28            | 32           | BDL            |
| 22.03.2024  | 7.79             | 26            | 28           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**

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

| FAN HOUSE:  |                           | CNUN1                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 07-03-2024                | 68.8                 | 67.9       |
| MAR'24  | 21-03-2024                | 68.5                 | 67.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| COLONY HLP OC:  |                           | CHON2                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 07-03-2024                | 43.7                 | 42.8       |
| MAR'24  | 21-03-2024                | 42.9                 | 41.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>55</b>            | <b>45</b>  |



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## ENVIRONMENTAL MONITORING REPORT

# PADMAPUR OC

CHANDRAPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
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|---|--------------------|--|
| <b>Environment Laboratory CMPDI<br/>RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

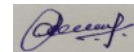
|                          |  |                 |            |
|--------------------------|--|-----------------|------------|
| TEST REPORT NO.          | RIN/TR/MARCH-24/40   | DATE OF ISSUE   | 29-04-2024 |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |            |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |            |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47     |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 |            |

| <b>MANAGER OFFICE Q-IV   CPOA1 ( Padmapur )</b>                             |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|   |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM  | TO         | 5  | 5                | 2                 | 6               | 10              |                                      |
| 02-03-2024  | 03-03-2024 | 326  | 196              | 51                | 32              | 23              | Clear Sky/Light Breeze               |
| 17-03-2024  | 18-03-2024 | 318  | 170              | 48                | 26              | 20              | Clear Sky/Light Breeze               |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup><br>September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |


| <b>WARWAT VILLAGE   CPOA2</b> |            |  |                   |                 |                 |  |                                      |
|-------------------------------|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING    |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|                               |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
| FROM                          | TO         | 5  | 2                 | 6               | 10              |  |                                      |
| 03-03-2024                    | 04-03-2024 | 75   | 23                | 16              | 10              |  | Clear Sky/Light Breeze               |
| 18-03-2024                    | 19-03-2024 | 79   | 20                | 16              | 11              |  | Clear Sky/Light Breeze               |
| NAAQS, 2009                   |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |  |                                      |

| <b>KITADI VILLAGE   CPOA3</b> |            |  |                   |                 |                 |  |                                      |
|-------------------------------|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING    |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|                               |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
| FROM                          | TO         | 5  | 6                 | 10              |                 |  |                                      |
| 02-03-2024                    | 03-03-2024 | 81   | 28                | 19              | 13              |  | Clear Sky/Light Breeze               |
| 17-03-2024                    | 18-03-2024 | 78   | 23                | 16              | 10              |  | Clear Sky/Light Breeze               |
| NAAQS, 2009                   |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |  |                                      |

| <b>VICHODA RAYATWARI VILLAGE   CPOA4</b> |            |  |                   |                 |                 |  |                                      |
|--|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING               |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|  |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
| FROM                                     | TO         | 5  | 2                 | 6               | 10              |  |                                      |
| 01-03-2024                               | 02-03-2024 | 78   | 25                | 16              | 11              |  | Clear Sky/Light Breeze               |
| 16-03-2024                               | 17-03-2024 | 81   | 30                | 22              | 14              |  | Clear Sky/Light Breeze               |
| NAAQS, 2009                              |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |  |                                      |



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| <b>Environment Laboratory CMPDI<br/>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:  |                           | CPON1                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 07-03-2024                | 62.8                 | 61.9       |
| MAR'24  | 21-03-2024                | 58.5                 | 57.6       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| DURGAPUR COLONY:                                      |                           | CDON2                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 07-03-2024                | 43.7                 | 42.8       |
| MAR'24  | 21-03-2024                | 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**

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

MAJRI AREA

**WESTERN COALFIELDS LTD.**

JOB NO. 4094423068



**MARCH 2024**



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

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/51   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| NMOC SUBSTATION   MMOA1  |            |  |                  |                   |                 |                                      |                        |
|--|------------|--|------------------|-------------------|-----------------|--------------------------------------|------------------------|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |                        |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> |                                      | SO <sub>2</sub>        |
| 12-03-2024   | 13-03-2024 | 365  | 227              | 80                | 22              | 17                                   | CLEAR/ LIGHT BREEZE    |
| 25-03-2024   | 26-03-2024 | 400  | 218              | 69                | 20              | 16                                   | CLEAR/ MODERATE 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>                           |                        |

| PATALA MAGAZINE   MMUA1  |            |  |                  |                   |                 |                                      |                     |
|--|------------|--|------------------|-------------------|-----------------|--------------------------------------|---------------------|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |                     |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> |                                      | SO <sub>2</sub>     |
| 01-03-2024   | 02-03-2024 | 377  | 210              | 72                | 20              | 17                                   | CLEAR/ LIGHT BREEZE |
| 16-03-2024   | 17-03-2024 | 410  | 215              | 70                | 21              | 17                                   | CLEAR/ LIGHT BREEZE |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>                           |                     |

| PRIMARY HEALTH CENTRE, MAJRI BASTI   MMOA3 |            |  |                   |                 |                 |                                      |
|--|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                 |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM                                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 05-03-2024                                 | 06-03-2024 | 98   | 55                | 16              | 14              | CLEAR SKY/ CALM                      |
| 06-03-2024                                 | 07-03-2024 | 100  | 50                | 15              | 12              | CLEAR SKY/ CALM                      |
| 12-03-2024                                 | 13-03-2024 | 86   | 54                | 22              | 15              | CLEAR SKY/LIGHT BREEZE               |
| 13-03-2024                                 | 14-03-2024 | 89   | 56                | 18              | 14              | CLEAR SKY/LIGHT BREEZE               |
| 19-03-2024                                 | 20-03-2024 | 93   | 59                | 18              | 13              | CLEAR SKY/LIGHT BREEZE               |
| 20-03-2024                                 | 21-03-2024 | 98   | 57                | 20              | 16              | CLEAR SKY/MODERATE BREEZE            |
| 26-03-2024                                 | 27-03-2024 | 86   | 56                | 21              | 15              | CLEAR SKY/LIGHT BREEZE               |
| 27-03-2024                                 | 28-03-2024 | 95   | 55                | 17              | 14              | CLEAR SKY/LIGHT BREEZE               |
| 31-03-2024                                 | 01-04-2024 | 97   | 58                | 18              | 15              | CLOUDY SKY/ WINDY                    |
| NAAQS, 2009                                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |

| KUCHANA COLONY   MMOA4     |            |  |                   |                 |                 |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 05-03-2024                 | 06-03-2024 | 100  | 53                | 18              | 15              | CLEAR SKY/ CALM                      |
| 06-03-2024                 | 07-03-2024 | 78   | 56                | 20              | 16              | CLEAR SKY/ CALM                      |
| 12-03-2024                 | 13-03-2024 | 98   | 50                | 17              | 14              | CLEAR SKY/LIGHT BREEZE               |
| 13-03-2024                 | 14-03-2024 | 80   | 42                | 16              | 12              | CLEAR SKY/LIGHT BREEZE               |
| 19-03-2024                 | 20-03-2024 | 93   | 59                | 18              | 14              | CLEAR SKY/LIGHT BREEZE               |
| 20-03-2024                 | 21-03-2024 | 99   | 56                | 17              | 15              | CLEAR SKY/MODERATE BREEZE            |
| 26-03-2024                 | 27-03-2024 | 98   | 60                | 21              | 15              | CLEAR SKY/LIGHT BREEZE               |
| 27-03-2024                 | 28-03-2024 | 100  | 57                | 22              | 16              | CLEAR SKY/LIGHT BREEZE               |
| 31-03-2024                 | 01-04-2024 | 97   | 58                | 21              | 17              | CLOUDY SKY/ WINDY                    |
| 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: 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: MMOW1                       |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                   | 2                | 10            | 4            | 2              |
| 12-03-2024  | 7.92             | 36            | 48           | BDL            |
| 26-03-2024  | 7.68             | 40            | 60           | 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              |
| 12-03-2024  | 6.95             | 44            | 40           | BDL            |
| 26-03-2024  | 7.30             | 44            | 28           | BDL            |
| STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP: MAJRI AREA HOSPITAL  |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION   | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 11-03-2024  | 7.20             | 54            | 44           | BDL            |
| 30-03-2024  | 7.56             | 32            | 52           | BDL            |
| STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000                           | 5.5 - 9.0        | 100           | 250          | 10             |
| GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993 |                  | 100           | 30           |                |

| STP: MMUW3  |                  |              |  |
|---|------------------|--------------|--|
| DATE OF SAMPLE COLLECTION                         | ANALYSIS RESULTS |              |  |
|   | TSS (in mg/l)    | BOD(in mg/l) |  |
| DETECTION LIMIT                                   | 10               | 2            |  |
| 12-03-2024  | 34               | 12.6         |  |
| 26-03-2024  | 46               | 12           |  |
| STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000 | 100              | 30           |  |



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**NOISE LEVEL MONITORING DATA**

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

| FIELD MAIN SHED:                               |                           | MMON1                |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|  | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
|  | MAR'24                    | 11-03-2024           | 57.5       |
| MAR'24   | 26-03-2024                | 56.5                 | 54.6       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | <b>75</b>            | <b>70</b>  |

| KUCHNA COLONY:                                 |                           | MMON2                |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|  | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
|  | MAR'24                    | 11-03-2024           | 44.5       |
| MAR'24   | 26-03-2024                | 45.3                 | 43.4       |
| 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. 4094423068



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> |  |
|---|--------------------|---|

|                         |  |                 |                      |
|-------------------------|--|-----------------|----------------------|
| TEST REPORT NO.         | RIN/TR/MAR-24/50   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER        | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED           | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION      | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| PATALA MAGAZINE   |            | MMUA1  |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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> |                                      |
| 01-03-2024  | 02-03-2024 | 377  | 210              | 72                | 20              | 17              | CLEAR / LIGHT BREEZE                 |
| 16-03-2024  | 17-03-2024 | 410  | 215              | 70                | 21              | 17              | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| MANAGER OFFICE UG TO OC   |            | MMUA2  |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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> |                                      |
| 01-03-2024  | 02-03-2024 | 418  | 226              | 87                | 22              | 16              | CLEAR / LIGHT BREEZE                 |
| 16-03-2024  | 17-03-2024 | 395  | 214              | 88                | 22              | 17              | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| CONTRACTOR CAMP   |            | MMUA3  |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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> |                                      |
| 01-03-2024  | 02-03-2024 | 409  | 240              | 78                | 22              | 14              | CLEAR / LIGHT BREEZE                 |
| 16-03-2024  | 17-03-2024 | 384  | 200              | 66                | 16              | 12              | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| SAWARLA VILLAGE            |            | MMUA4  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                                      |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | No <sub>2</sub> | So <sub>2</sub> |                                      |
| 01-03-2024                 | 02-03-2024 | 84   | 56                | 18              | 14              | CLEAR / LIGHT BREEZE                 |
| 16-03-2024                 | 17-03-2024 | 99   | 50                | 15              | 13              | CLEAR / LIGHT BREEZE                 |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |



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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE:                             |                  | MMUW1         |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                   | 2                | 10            | 4            | 2              |
| 01-03-2024  | 7.47             | 50            | 36           | BDL            |
| 16-03-2024  | 7.65             | 42            | 40           | BDL            |
| STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP:  |                  | MMUW2         |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                   | 2                | 10            | 4            | 2              |
| 01-03-2024  | 7.98             | 30            | 60           | BDL            |
| 16-03-2024  | 7.47             | 40            | 56           | BDL            |
| STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| STP:  |                  | MMUW3        |  |
|---|------------------|--------------|--|
| DATE OF SAMPLE COLLECTION                         | ANALYSIS RESULTS |              |  |
|   | TSS (in mg/l)    | BOD(in mg/l) |  |
| DETECTION LIMIT                                   | 10               | 2            |  |
| 01-03-2024  | 36               | 15           |  |
| 16-03-2024  | 32               | 13.8         |  |
| STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000 | 100              | 30           |  |



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**NOISE LEVEL MONITORING DATA**

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

| PIT OFFICE:   |                           | MMUN1                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24  | 11-03-2024                | 56.7                 | 54.5       |
| MAR'24  | 26-03-2024                | 55.4                 | 53.2       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| COLONY(MAJRI UG TO OC):                               |                           | MMUN2                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24  | 11-03-2024                | 44.1                 | 42.2       |
| MAR'24  | 26-03-2024                | 44.6                 | 42.4       |
| <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. 4094423068



MARCH 2024

Environment Laboratory  
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>KC-7162 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/52   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

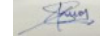
| PIT OFFICE   MYOA1         |            |  |                  |                   |                 |                                      |                       |
|----------------------------|------------|--|------------------|-------------------|-----------------|--------------------------------------|-----------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |                       |
| FROM                       | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> |                                      | SO <sub>2</sub>       |
| 12-03-2024                 | 13-03-2024 | 400  | 246              | 82                | 20              | 15                                   | CLEAR/ LIGHT BREEZE   |
| 25-03-2024                 | 26-03-2024 | 406  | 240              | 72                | 24              | 20                                   | CLEAR/MODERATE BREEZE |
|                            |            | <b>600</b>   | <b>300</b>       | <b>60</b>         | <b>120</b>      | <b>120</b>                           |                       |

| PENZURNI VILLAGE   MYOA2   |            |  |                   |                 |                 |                                      |                           |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|---------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |                           |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |                           |
| 05-03-2024                 | 06-03-2024 | 88   | 53                | 17              | 13              | 13                                   | CLEAR SKY/ CALM           |
| 06-03-2024                 | 07-03-2024 | 78   | 49                | 21              | 16              | 16                                   | CLEAR SKY/ CALM           |
| 12-03-2024                 | 13-03-2024 | 92   | 56                | 22              | 17              | 17                                   | CLOUDY SKY/LIGHT BREEZE   |
| 13-03-2024                 | 14-03-2024 | 99   | 58                | 17              | 14              | 14                                   | CLOUDY SKY/LIGHT BREEZE   |
| 19-03-2024                 | 20-03-2024 | 95   | 50                | 17              | 14              | 14                                   | CLOUDY SKY/LIGHT BREEZE   |
| 20-03-2024                 | 21-03-2024 | 96   | 48                | 21              | 15              | 15                                   | CLEAR SKY/MODERATE BREEZE |
| 26-03-2024                 | 27-03-2024 | 99   | 57                | 22              | 17              | 17                                   | CLOUDY SKY/LIGHT BREEZE   |
| 27-03-2024                 | 28-03-2024 | 100  | 59                | 22              | 18              | 18                                   | CLOUDY SKY/LIGHT BREEZE   |
| 31-03-2024                 | 01-04-2024 | 99   | 58                | 20              | 15              | 15                                   | CLOUDY / WINDY            |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       | <b>80</b>                            |                           |

| ASHTI VILLAGE   MYOA3      |            |  |                   |                 |                 |                                      |                           |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|---------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |                           |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |                           |
| 05-03-2024                 | 06-03-2024 | 80   | 52                | 15              | 12              | 12                                   | CLEAR SKY/ CALM           |
| 06-03-2024                 | 07-03-2024 | 94   | 56                | 17              | 12              | 12                                   | CLEAR SKY/ CALM           |
| 12-03-2024                 | 13-03-2024 | 89   | 55                | 21              | 15              | 15                                   | CLOUDY SKY/LIGHT BREEZE   |
| 13-03-2024                 | 14-03-2024 | 98   | 58                | 17              | 12              | 12                                   | CLOUDY SKY/LIGHT BREEZE   |
| 19-03-2024                 | 20-03-2024 | 83   | 57                | 15              | 13              | 13                                   | CLOUDY SKY/LIGHT BREEZE   |
| 20-03-2024                 | 21-03-2024 | 92   | 56                | 20              | 15              | 15                                   | CLEAR SKY/MODERATE BREEZE |
| 26-03-2024                 | 27-03-2024 | 95   | 57                | 20              | 16              | 16                                   | CLOUDY SKY/LIGHT BREEZE   |
| 27-03-2024                 | 28-03-2024 | 97   | 58                | 21              | 18              | 18                                   | CLOUDY SKY/LIGHT BREEZE   |
| 31-03-2024                 | 01-04-2024 | 99   | 59                | 20              | 17              | 17                                   | CLOUDY / WINDY            |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       | <b>80</b>                            |                           |


| DANDGAON VILLAGE   MYOA4   |            |  |                   |                 |                 |                                      |                           |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|---------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |                           |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |                           |
| 05-03-2024                 | 06-03-2024 | 86   | 56                | 20              | 16              | 16                                   | CLEAR SKY/ CALM           |
| 06-03-2024                 | 07-03-2024 | 80   | 51                | 18              | 14              | 14                                   | CLEAR SKY/ CALM           |
| 12-03-2024                 | 13-03-2024 | 81   | 57                | 16              | 12              | 12                                   | CLOUDY SKY/LIGHT BREEZE   |
| 13-03-2024                 | 14-03-2024 | 92   | 53                | 21              | 16              | 16                                   | CLOUDY SKY/LIGHT BREEZE   |
| 19-03-2024                 | 20-03-2024 | 100  | 60                | 17              | 14              | 14                                   | CLOUDY SKY/LIGHT BREEZE   |
| 20-03-2024                 | 21-03-2024 | 99   | 58                | 22              | 16              | 16                                   | CLEAR SKY/MODERATE BREEZE |
| 26-03-2024                 | 27-03-2024 | 78   | 52                | 18              | 14              | 14                                   | CLOUDY SKY/LIGHT BREEZE   |
| 27-03-2024                 | 28-03-2024 | 95   | 54                | 16              | 13              | 13                                   | CLOUDY SKY/LIGHT BREEZE   |
| 31-03-2024                 | 01-04-2024 | 97   | 55                | 18              | 14              | 14                                   | CLOUDY / WINDY            |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       | <b>80</b>                            |                           |

|                            |            | HIWRA MAJRA VILLAGE   MYOAS                                |                   |                 |                 |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|                            |            | 5  | 2                 | 6               | 10              |                                      |
| 05-03-2024                 | 06-03-2024 | 96   | 56                | 20              | 15              | CLEAR SKY/ CALM                      |
| 06-03-2024                 | 07-03-2024 | 78   | 50                | 18              | 15              | CLEAR SKY/ CALM                      |
| 12-03-2024                 | 13-03-2024 | 90   | 58                | 20              | 16              | CLOUDY SKY/LIGHT BREEZE              |
| 13-03-2024                 | 14-03-2024 | 97   | 60                | 21              | 17              | CLOUDY SKY/LIGHT BREEZE              |
| 19-03-2024                 | 20-03-2024 | 96   | 53                | 22              | 15              | CLOUDY SKY/LIGHT BREEZE              |
| 20-03-2024                 | 21-03-2024 | 100  | 59                | 20              | 16              | CLEAR SKY/MODERATE BREEZE            |
| 26-03-2024                 | 27-03-2024 | 98   | 58                | 18              | 14              | CLOUDY SKY/LIGHT BREEZE              |
| 27-03-2024                 | 28-03-2024 | 95   | 55                | 20              | 16              | CLOUDY SKY/LIGHT BREEZE              |
| 31-03-2024                 | 01-04-2024 | 96   | 57                | 22              | 18              | CLOUDY / WINDY                       |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</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: 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: YEKONA I OC : MYOW1         |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                   | 2                | 10            | 4            | 2              |
| 13-03-2024  | 8.20             | 46            | 28           | BDL            |
| 27-03-2024  | 7.76             | 50            | 20           | 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              |
| 13-03-2024  | 8.32             | 40            | 32           | BDL            |
| 27-03-2024  | 7.98             | 36            | 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              |
| 13-03-2024  | 7.24             | 38            | 48           | BDL            |
| 27-03-2024  | 7.56             | 34            | 44           | 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            |
| 13-03-2024  | 40               | 9.6          |
| 27-03-2024  | 48               | 10.2         |
| GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993 | 100              | 30           |



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**NOISE LEVEL MONITORING DATA**

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

| PIT OFFICE MYON1                                      |                           |                      |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   |                           | <b>20</b>            | <b>20</b>  |
| MAR'24  | 11-03-2024                | 54.6                 | 52.1       |
| MAR'24  | 26-03-2024                | 54.7                 | 52.3       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |



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**ENVIRONMENTAL MONITORING REPORT**

**ADASA UG**

**NAGPUR AREA**

**WESTERN COALFIELDS LTD.**

JOB NO. 4094423068



**MARCH 2024**



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|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/1  | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| PROJECT MANAGER OFFICE   NAUA1  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 02-03-2024  | 03-03-2024 | 358  | 239              | 67                | 34              | 18              | CLEAR/CALM                           |
| 17-03-2024  | 18-03-2024 | 362  | 241              | 69                | 36              | 19              | CLEAR/CALM                           |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
| FROM                                | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |            |                                      |
| 02-03-2024                          | 03-03-2024 | 93   | 44                | 26              | BDL             | CLEAR/CALM |                                      |
| 17-03-2024                          | 18-03-2024 | 95   | 46                | 28              | BDL             | CLEAR/CALM |                                      |
| NAAQS, 2009                         |            | 100  | 60                | 80              | 80              |            |                                      |

| COLONY WATER FILTER PLANT NSNU3 |            |  |                   |                 |                 |            |                                      |
|---------------------------------|------------|--|-------------------|-----------------|-----------------|------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING      |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |            | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                            | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |            |                                      |
| 01-03-2024                      | 02-03-2024 | 91   | 46                | 28              | BDL             | CLEAR/CALM |                                      |
| 16-03-2024                      | 17-03-2024 | 93   | 48                | 30              | BDL             | CLEAR/CALM |                                      |
| NAAQS, 2009                     |            | 100  | 60                | 80              | 80              |            |                                      |

| KOTODI VILLAGE NSNU4       |            |  |                   |                 |                 |            |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |            | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |            |                                      |
| 01-03-2024                 | 02-03-2024 | 92   | 47                | 27              | BDL             | CLEAR/CALM |                                      |
| 16-03-2024                 | 17-03-2024 | 94   | 49                | 29              | BDL             | CLEAR/CALM |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |            |                                      |

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| <b>Environment Laboratory<br/>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, AUG-2015 |
| SAMPLING METHOD    | LSOP 6   |

| FAN HOUSE: NAUN1  |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 13-03-2024                   | 69.2                 | 68.4       |
| MAR'24  | 27-03-2024                   | 69.4                 | 68.6       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| MANAGER OFFICE: NAUN2                                     |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 13-03-2024                   | 53.2                 | 52.3       |
| MAR'24  | 27-03-2024                   | 53.3                 | 52.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| COLONY (SAONER): NSNUN4                                   |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 13-03-2024                   | 42.3                 | 41.4       |
| MAR'24  | 27-03-2024                   | 42.2                 | 41.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>RULES</b> |                              | <b>55</b>            | <b>45</b>  |



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|   |                    |   |
|---|--------------------|---|
| <b>Environment Laboratory<br/>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 : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: NBOW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 02-03-2024  | 8.18             | 20            | 32           | BDL            |
| 16-03-2024  | 7.92             | 22            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

*A. Anupama*

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## ENVIRONMENTAL MONITORING REPORT

# BHANEGOAN OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



MARCH 2024

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

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

|                          |  |                      |            |
|--------------------------|--|----------------------|------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/2  | DATE OF ISSUE        | 29-04-2024 |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                      |            |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                      |            |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN :      | LQR 47     |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   | 16-03-24 TO 15-04-24 |            |

| NEAR MANAGER OFFICE   NBOA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 05-03-2024  | 06-03-2024 | 366  | 213              | 66                | 35              | 19              | CLOUDY/CALM                          |
| 26-03-2024  | 27-03-2024 | 370  | 215              | 68                | 37              | 20              | CLOUDY/CALM                          |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 05-03-2024                 | 06-03-2024 | 95   | 46                | 26              | BDL             | CLOUDY/CALM                          |  |
| 26-03-2024                 | 27-03-2024 | 97   | 48                | 28              | 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<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 05-03-2024                 | 06-03-2024 | 97   | 47                | 27              | BDL             | CLOUDY/CALM                          |  |
| 26-03-2024                 | 27-03-2024 | 98   | 49                | 29              | BDL             | CLOUDY/CALM                          |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

| DORLI VILLAGE   NSOA4      |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 05-03-2024                 | 06-03-2024 | 98   | 46                | 27              | BDL             | CLOUDY/CALM                          |  |
| 26-03-2024                 | 27-03-2024 | 96   | 47                | 29              | BDL             | CLOUDY/CALM                          |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

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

|                    |  |   |                      |
|--------------------|--|---|----------------------|
| SAMPLE DESCRIPTION | Water sample   |   |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |   |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: NBOW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 06-03-2024  | 8                | 20            | 32           | BDL            |
| 26-03-2024  | 7.83             | 22            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

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

**NOISE LEVEL MONITORING DATA**

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

| CONTRACTOR CAMP   |                              | NBON1                |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT              | DAY TIME             | NIGHT TIME |
| MAR'24  | 13-03-2024                   | 52.3                 | 51.9       |
| MAR'24  | 27-03-2024                   | 52.2                 | 51.4       |
| <b>NOISE POLLUTION (REGULATION AND<br/>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. 4094423068




MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
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|   |                    |  |
|---|--------------------|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7182 |
|---|--------------------|--|

|                         |  |                      |            |
|-------------------------|--|----------------------|------------|
| TEST REPORT NO.         | RIN/TR/MAR-24/3  | DATE OF ISSUE        | 29-04-2024 |
| NAME OF CUSTOMER        | GM(ENV.), WCL(HQ), NAGPUR  |                      |            |
| TEST REQUIRED           | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                      |            |
| SAMPLE DESCRIPTION      | AIR SAMPLE   | SAMPLING PLAN :      | LQR 47     |
| SAMPLING METHOD : LSP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   | 16-03-24 TO 15-04-24 |            |

| NEAR SUBSTATION NGOA1   |            |  |                  |                   |                 |                                      |                 |
|---|------------|--|------------------|-------------------|-----------------|--------------------------------------|-----------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 | ENVIRONMENT CONDITIONS<br>(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                                   |                 |
| 04-03-2024  | 05-03-2024 | 380  | 229              | 65                | 35              | 19                                   | CLOUDY/CALM     |
| 18-03-2024  | 19-03-2024 | 384  | 231              | 67                | 37              | 20                                   | CLOUDY/CALM     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>                           |                 |

| GONDEGAON VILLAGE SCHOOL NGOA2 |            |  |                   |                 |                 |                                      |
|--------------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                           | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|                                |            | 5  | 2                 | 6               | 10              |                                      |
| 03-03-2024                     | 04-03-2024 | 83   | 40                | 26              | BDL             | CLOUDY/CALM                          |
| 04-03-2024                     | 05-03-2024 | 85   | 41                | 27              | BDL             | CLOUDY/CALM                          |
| 13-03-2024                     | 14-03-2024 | 87   | 42                | 28              | BDL             | CLOUDY/CALM                          |
| 14-03-2024                     | 15-03-2024 | 89   | 43                | 29              | BDL             | CLOUDY/CALM                          |
| 17-03-2024                     | 18-03-2024 | 87   | 43                | 29              | BDL             | CLOUDY/CALM                          |
| 18-03-2024                     | 19-03-2024 | 89   | 44                | 30              | BDL             | CLOUDY/CALM                          |
| 24-03-2024                     | 25-03-2024 | 91   | 45                | 31              | BDL             | CLOUDY/CALM                          |
| 25-03-2024                     | 26-03-2024 | 96   | 44                | 26              | BDL             | CLOUDY/CALM                          |
| NAAQS, 2009                    |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |

| COLONY GUEST HOUSE/FILTER PLANT   NGOA3 |            |  |                   |                 |                 |                                      |
|---|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING              |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|   |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM                                    | TO         | 5  | 2                 | 6               | 10              |                                      |
| 03-03-2024                              | 04-03-2024 | 94   | 42                | 24              | BDL             | CLOUDY/CALM                          |
| 04-03-2024                              | 05-03-2024 | 95   | 43                | 25              | BDL             | CLOUDY/CALM                          |
| 13-03-2024                              | 14-03-2024 | 92   | 44                | 26              | BDL             | CLOUDY/CALM                          |
| 14-03-2024                              | 15-03-2024 | 93   | 41                | 27              | BDL             | CLOUDY/CALM                          |
| 17-03-2024                              | 18-03-2024 | 94   | 46                | 28              | BDL             | CLOUDY/CALM                          |
| 18-03-2024                              | 19-03-2024 | 95   | 43                | 29              | BDL             | CLOUDY/CALM                          |
| 24-03-2024                              | 25-03-2024 | 89   | 42                | 26              | BDL             | CLOUDY/CALM                          |
| 25-03-2024                              | 26-03-2024 | 90   | 43                | 27              | 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<br>(Sky/Wind) |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                      |
| 03-03-2024                 | 04-03-2024 | 93   | 41                | 24              | BDL             | CLOUDY/CALM                          |
| 04-03-2024                 | 05-03-2024 | 95   | 42                | 25              | BDL             | CLOUDY/CALM                          |
| 13-03-2024                 | 14-03-2024 | 97   | 43                | 26              | BDL             | CLOUDY/CALM                          |
| 14-03-2024                 | 15-03-2024 | 96   | 44                | 27              | BDL             | CLOUDY/CALM                          |
| 17-03-2024                 | 18-03-2024 | 95   | 43                | 26              | BDL             | CLOUDY/CALM                          |
| 18-03-2024                 | 19-03-2024 | 97   | 44                | 27              | BDL             | CLOUDY/CALM                          |
| 24-03-2024                 | 25-03-2024 | 98   | 45                | 28              | BDL             | CLOUDY/CALM                          |
| 25-03-2024                 | 26-03-2024 | 98   | 46                | 29              | BDL             | CLOUDY/CALM                          |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

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|---|--------------------|--|

|                           |  |
|---------------------------|--|
| <b>SAMPLE DESCRIPTION</b> | Water sample   |
| <b>Test Required</b>      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |
| <b>SAMPLING METHOD</b>    | LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-03-24 TO 15-04-24  |

| MINE WATER DISCHARGE NGOW1                        |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                   | 2                | 10            | 4            | 2              |
| 04-03-2024  | 7.95             | 22            | 36           | BDL            |
| 18-03-2024  | 7.86             | 24            | 40           | BDL            |
| STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP DISCHARGE NGOW2                               |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                   | 2                | 10            | 4            | 2              |
| 04-03-2024  | 8.22             | 18            | 28           | BDL            |
| 18-03-2024  | 8.1              | 20            | 32           | 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, SEPT-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         |
| MAR'24  | 13-03-2024                | 66.2                 | 65.4       |
| MAR'24  | 27-03-2024                | 68.2                 | 66.4       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| GONDEGAON VILLAGE/COLONY                              |                           | NGON2                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 13-03-2024                | 42.2                 | 41.3       |
| MAR'24  | 27-03-2024                | 42.3                 | 41.6       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>55</b>            | <b>45</b>  |

| GHATROHNA VILLAGE:                                    |                           | NGON3                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 13-03-2024                | 42.3                 | 41.4       |
| MAR'24  | 27-03-2024                | 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         |
| MAR'24  | 13-03-2024                | 42.2                 | 41.5       |
| MAR'24  | 27-03-2024                | 43.2                 | 42.4       |
| <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

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




MARCH 2024



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|   |  |                    |                      |   |  |
|---|--|--------------------|----------------------|---|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b> |                      |  |  |
| TEST REPORT NO.                                       | RIN/TR/MAR-24/4  | DATE OF ISSUE      | 29-04-2024           |   |  |
| NAME OF CUSTOMER                                      | GM(ENV.), WCL(HQ), NAGPUR  |                    |                      |   |  |
| TEST REQUIRED   | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                    |                      |   |  |
| SAMPLE DESCRIPTION                                    | AIR SAMPLE   | SAMPLING PLAN :    | LQR 47               |   |  |
| SAMPLING METHOD : LSOP 4                              | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                    | 16-03-24 TO 15-04-24 |   |  |

| NEAR PIT NO.6 / MANAGER OFFICE NIOA1  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 01-03-2024  | 02-03-2024 | 358  | 235              | 66                | 33              | 19              | CLOUDY/CALM                          |
| 15-03-2024  | 16-03-2024 | 362  | 237              | 68                | 35              | 20              | CLOUDY/CALM                          |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 02-03-2024  | 03-03-2024 | 374  | 227              | 64                | 33              | 18              | CLOUDY/CALM                          |
| 16-03-2024  | 17-03-2024 | 378  | 229              | 66                | 35              | 19              | CLOUDY/CALM                          |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
| FROM                               | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |             |                                      |
| 01-03-2024                         | 02-03-2024 | 89   | 42                | 23              | BDL             | CLOUDY/CALM |                                      |
| 02-03-2024                         | 03-03-2024 | 90   | 43                | 24              | BDL             | CLOUDY/CALM |                                      |
| 08-03-2024                         | 09-03-2024 | 91   | 44                | 25              | BDL             | CLOUDY/CALM |                                      |
| 12-03-2024                         | 13-03-2024 | 92   | 45                | 26              | BDL             | CLOUDY/CALM |                                      |
| 15-03-2024                         | 16-03-2024 | 93   | 46                | 27              | BDL             | CLOUDY/CALM |                                      |
| 16-03-2024                         | 17-03-2024 | 94   | 47                | 28              | BDL             | CLOUDY/CALM |                                      |
| 22-03-2024                         | 23-03-2024 | 95   | 48                | 29              | BDL             | CLOUDY/CALM |                                      |
| 23-03-2024                         | 24-03-2024 | 94   | 42                | 25              | BDL             | CLOUDY/CALM |                                      |
| NAAQS, 2009                        |            | 100  | 60                | 80              | 80              |             |                                      |

| G.P. OFFICE KANDRI VILLAGE NKCA4 |            |  |                   |                 |                 |             |                                      |
|----------------------------------|------------|--|-------------------|-----------------|-----------------|-------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING       |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |             | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                             | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |             |                                      |
| 01-03-2024                       | 02-03-2024 | 92   | 40                | 23              | BDL             | CLOUDY/CALM |                                      |
| 02-03-2024                       | 03-03-2024 | 93   | 41                | 24              | BDL             | CLOUDY/CALM |                                      |
| 08-03-2024                       | 09-03-2024 | 94   | 42                | 25              | BDL             | CLOUDY/CALM |                                      |
| 12-03-2024                       | 13-03-2024 | 95   | 43                | 26              | BDL             | CLOUDY/CALM |                                      |
| 15-03-2024                       | 16-03-2024 | 95   | 43                | 26              | BDL             | CLOUDY/CALM |                                      |
| 16-03-2024                       | 17-03-2024 | 96   | 44                | 27              | BDL             | CLOUDY/CALM |                                      |
| 22-03-2024                       | 23-03-2024 | 97   | 45                | 28              | BDL             | CLOUDY/CALM |                                      |
| 23-03-2024                       | 24-03-2024 | 98   | 46                | 29              | BDL             | CLOUDY/CALM |                                      |
| NAAQS, 2009                      |            | 100  | 60                | 80              | 80              |             |                                      |

*A. Anupama*

Analysed by






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

|                    |  |
|--------------------|--|
| SAMPLE DESCRIPTION | Water sample   |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C.:2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |
| SAMPLING METHOD    | LSOP 5 PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-03-24 TO 15-04-24  |

| MINE DISCHARGE:   |                  | NIOW1         |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 01-03-2024  | 8.03             | 22            | 36           | BDL            |
| 24-03-2024  | 8.43             | 24            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

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

**NOISE LEVEL MONITORING DATA**

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

| RC OFFICE: NION1  |                           |                      |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 13-03-2024                | 54.2                 | 53.5       |
| MAR'24  | 27-03-2024                | 53.2                 | 52.4       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>RULES</b> |                           | <b>75</b>            | <b>70</b>  |



Ashwin B Wasnik  
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# ENVIRONMENTAL MONITORING REPORT

## KAMPTEE DEEP OC

NAGPUR AREA

### WESTERN COALFIELDS LTD.

JOB NO. 4094423068




MARCH 2024



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

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/5  | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| SUBSTATION NKCA1  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|   |            | 5  | 5                | 2                 | 6               | 10              |                                      |
| 01-03-2024  | 02-03-2024 | 370  | 221              | 65                | 34              | 20              | CLOUDY/CALM                          |
| 15-03-2024  | 16-03-2024 | 374  | 223              | 67                | 36              | 21              | CLOUDY/CALM                          |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| JUNI KAMPTEE VILLAGE NKCA2 |            |  |                   |                 |                 |             |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|-------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |             | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |             |                                      |
|                            |            | 5  | 2                 | 6               | 10              |             |                                      |
| 01-03-2024                 | 02-03-2024 | 87   | 40                | 24              | BDL             | CLOUDY/CALM |                                      |
| 02-03-2024                 | 03-03-2024 | 88   | 41                | 25              | BDL             | CLOUDY/CALM |                                      |
| 08-03-2024                 | 09-03-2024 | 89   | 42                | 26              | BDL             | CLOUDY/CALM |                                      |
| 12-03-2024                 | 13-03-2024 | 90   | 43                | 27              | BDL             | CLOUDY/CALM |                                      |
| 15-03-2024                 | 16-03-2024 | 92   | 45                | 29              | BDL             | CLOUDY/CALM |                                      |
| 16-03-2024                 | 17-03-2024 | 93   | 46                | 30              | BDL             | CLOUDY/CALM |                                      |
| 22-03-2024                 | 23-03-2024 | 91   | 44                | 25              | BDL             | CLOUDY/CALM |                                      |
| 23-03-2024                 | 24-03-2024 | 92   | 45                | 26              | BDL             | CLOUDY/CALM |                                      |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |             |                                      |

| COLONY WATER TREATMENT PLANT NKCA3 |            |  |                   |                 |                 |                                      |
|------------------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING         |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|                                    |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM                               | TO         | 5  | 2                 | 6               | 10              |                                      |
| 01-03-2024                         | 02-03-2024 | 89   | 42                | 23              | BDL             | CLOUDY/CALM                          |
| 02-03-2024                         | 03-03-2024 | 90   | 43                | 24              | BDL             | CLOUDY/CALM                          |
| 08-03-2024                         | 09-03-2024 | 91   | 44                | 25              | BDL             | CLOUDY/CALM                          |
| 12-03-2024                         | 13-03-2024 | 92   | 45                | 26              | BDL             | CLOUDY/CALM                          |
| 15-03-2024                         | 16-03-2024 | 93   | 46                | 27              | BDL             | CLOUDY/CALM                          |
| 16-03-2024                         | 17-03-2024 | 94   | 47                | 28              | BDL             | CLOUDY/CALM                          |
| 22-03-2024                         | 23-03-2024 | 95   | 48                | 29              | BDL             | CLOUDY/CALM                          |
| 23-03-2024                         | 24-03-2024 | 94   | 42                | 25              | BDL             | CLOUDY/CALM                          |
| NAAQS, 2009                        |            | 100  |                   | 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<br>(Sky/Wind) |
|                                  |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM                             | TO         | 5  | 2                 | 6               | 10              |                                      |
| 01-03-2024                       | 02-03-2024 | 92   | 40                | 23              | BDL             | CLOUDY/CALM                          |
| 02-03-2024                       | 03-03-2024 | 93   | 41                | 24              | BDL             | CLOUDY/CALM                          |
| 08-03-2024                       | 09-03-2024 | 94   | 42                | 25              | BDL             | CLOUDY/CALM                          |
| 12-03-2024                       | 13-03-2024 | 95   | 43                | 26              | BDL             | CLOUDY/CALM                          |
| 15-03-2024                       | 16-03-2024 | 95   | 43                | 26              | BDL             | CLOUDY/CALM                          |
| 16-03-2024                       | 17-03-2024 | 96   | 44                | 27              | BDL             | CLOUDY/CALM                          |
| 22-03-2024                       | 23-03-2024 | 97   | 45                | 28              | BDL             | CLOUDY/CALM                          |
| 23-03-2024                       | 24-03-2024 | 98   | 46                | 29              | BDL             | CLOUDY/CALM                          |
| NAAQS, 2009                      |            | 100  | 60                | 80              | 80              |                                      |

*R. Anupama*

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

|                    |  |   |                      |
|--------------------|--|---|----------------------|
| SAMPLE DESCRIPTION | Water sample   |   |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |   |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : | 16-03-24 TO 15-04-24 |

| MINE DISCHARGE: NKCW1                                   |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 01-03-2024  | 8.14             | 22            | 36           | BDL            |
| 25-03-2024  | 8.52             | 24            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP DISCHARGE: NKCW2                                    |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 01-03-2024  | 8.03             | 20            | 32           | BDL            |
| 19-03-2024  | 7.77             | 22            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

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

**NOISE LEVEL MONITORING DATA**

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

| <b>CHP: NKC1</b>                                      |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 13-03-2024                   | 66.3                 | 65.5       |
| MAR'24  | 27-03-2024                   | 68.3                 | 67.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| <b>COLONY(KAMPTEE): NKC2</b>                          |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 13-03-2024                   | 42.2                 | 41.4       |
| MAR'24  | 27-03-2024                   | 42.2                 | 41.5       |
| <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

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




MARCH 2024

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

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/6  | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| COLLIERY MANAGER OFFICE   NPTUA1  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|   |            | 5  | 5                | 2                 | 6               | 10              |                                      |
| 01-03-2024  | 02-03-2024 | 398  | 223              | 66                | 36              | 18              | CLEAR/CALM                           |
| 16-03-2024  | 17-03-2024 | 402  | 225              | 68                | 38              | 19              | CLEAR/CALM                           |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| SADBHAVAN NAGAR (FILTER PLANT)   NPTUA2 |            |  |                   |                 |                 |  |                                      |
|---|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING              |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                                    | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
|   |            | 5  | 2                 | 6               | 10              |  |                                      |
| 01-03-2024                              | 02-03-2024 | 88   | 48                | 26              | BDL             |  | CLEAR/CALM                           |
| 16-03-2024                              | 17-03-2024 | 90   | 50                | 28              | BDL             |  | CLEAR/CALM                           |
| NAAQS, 2009                             |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |  |                                      |

| NEAR LCH QR.   NPTUA3      |            |  |                   |                 |                 |  |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
|                            |            | 5  | 2                 | 6               | 10              |  |                                      |
| 01-03-2024                 | 02-03-2024 | 90   | 45                | 27              | BDL             |  | CLEAR/CALM                           |
| 16-03-2024                 | 17-03-2024 | 92   | 47                | 29              | BDL             |  | CLEAR/CALM                           |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |  |                                      |

| SAVARMENDHA /TANDULWADI VILLAGE.   NPTUA4 |            |  |                   |                 |                 |  |                                      |
|---|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                                      | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
|   |            | 5  | 2                 | 6               | 10              |  |                                      |
| 01-03-2024                                | 02-03-2024 | 89   | 44                | 26              | BDL             |  | CLEAR/CALM                           |
| 16-03-2024                                | 17-03-2024 | 91   | 46                | 28              | BDL             |  | CLEAR/CALM                           |
| NAAQS, 2009                               |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</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 : | 16-03-24 TO 15-04-24 |

| MINE DISCHARGE: NPTUW1   |                  |               |              |                |
|--|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>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>       |
| 01-03-2024   | 8.01             | 22            | 36           | BDL            |
| 16-03-2024   | 8.04             | 20            | 32           | BDL            |
| <b>STANDARDS FOR COAL<br/>MINE, GSR 742E, dt.<br/>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, SEPT-2015 |
| SAMPLING METHOD    | LSOP 6  |

| CHP: NPTUN1   |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 13-03-2024                   | 67.2                 | 66.4       |
| MAR'24  | 27-03-2024                   | 66.2                 | 65.4       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| COLONY: NPTUN2  |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 13-03-2024                   | 42.3                 | 41.4       |
| MAR'24  | 27-03-2024                   | 42.2                 | 41.3       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>55</b>            | <b>45</b>  |



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## ENVIRONMENTAL MONITORING REPORT

### SAONER UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



MARCH 2024

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

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

|                         |  |                 |                      |
|-------------------------|--|-----------------|----------------------|
| TEST REPORT NO.         | RIN/TR/MAR-24/8  | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER        | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED           | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION      | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| C.M OFFICE-SAONER-I UG NSNUA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|   |            | 5  | 5                | 2                 | 6               | 10              |                                      |
| 03-03-2024  | 04-03-2024 | 386  | 239              | 64                | 33              | 20              | CLEAR/CALM                           |
| 17-03-2024  | 18-03-2024 | 390  | 241              | 66                | 35              | 21              | CLEAR/CALM                           |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| 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<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|   |            | 5  | 5                | 2                 | 6               | 10              |                                      |
| 03-03-2024  | 04-03-2024 | 384  | 231              | 68                | 34              | 19              | CLEAR/CALM                           |
| 17-03-2024  | 18-03-2024 | 388  | 233              | 70                | 36              | 20              | CLEAR/CALM                           |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |


| COLONY WATER FILTER PLANT NSNU3 |            |  |                   |                 |                 |            |                                      |
|---------------------------------|------------|--|-------------------|-----------------|-----------------|------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING      |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |            | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                            | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |            |                                      |
|                                 |            | 5  | 2                 | 6               | 10              |            |                                      |
| 03-03-2024                      | 04-03-2024 | 91   | 46                | 28              | BDL             | CLEAR/CALM |                                      |
| 17-03-2024                      | 18-03-2024 | 93   | 48                | 30              | BDL             | CLEAR/CALM |                                      |
| NAAQS, 2009                     |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |            |                                      |

| KOTODI VILLAGE NSNU4       |            |  |                   |                 |                 |            |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |            | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |            |                                      |
|                            |            | 5  | 2                 | 6               | 10              |            |                                      |
| 03-03-2024                 | 04-03-2024 | 92   | 47                | 27              | BDL             | CLEAR/CALM |                                      |
| 17-03-2024                 | 18-03-2024 | 94   | 49                | 29              | BDL             | CLEAR/CALM |                                      |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</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 : 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE I UG: NSNUW1                       |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 01-03-2024  | 8.18             | 22            | 36           | BDL            |
| 17-03-2024  | 7.47             | 24            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| MINE WATER DISCHARGE II UG: NSNUW2                      |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 01-03-2024  | 8.12             | 20            | 32           | BDL            |
| 17-03-2024  | 8.04             | 22            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| MINE WATER DISCHARGE III UG: NSNUW3                     |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 01-03-2024  | 8.22             | 20            | 32           | BDL            |
| 17-03-2024  | 8.13             | 22            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>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, SEPT-2015 |
| SAMPLING METHOD    | LSOP 6  |

| <b>FAN HOUSE-I: NSNUN1</b>                            |                           |                      |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   |                           | DETECTION LIMIT      | 20         |
| MAR'24  | 13-03-2024                | 69.2                 | 68.3       |
| MAR'24  | 27-03-2024                | 69.4                 | 68.4       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

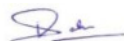
| <b>FAN HOUSE-II: NSNUN2</b>                           |                           |                      |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   |                           | DETECTION LIMIT      | 20         |
| MAR'24  | 13-03-2024                | 69.3                 | 68.5       |
| MAR'24  | 27-03-2024                | 68.3                 | 67.6       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| <b>FAN HOUSE-III: NSNUN3</b>                          |                           |                      |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   |                           | DETECTION LIMIT      | 20         |
| MAR'24  | 13-03-2024                | 69.3                 | 68.6       |
| MAR'24  | 27-03-2024                | 69.2                 | 68.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| <b>COLONY: NSNUN4</b>                                 |                           |                      |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   |                           | DETECTION LIMIT      | 20         |
| MAR'24  | 13-03-2024                | 42.3                 | 41.4       |
| MAR'24  | 27-03-2024                | 42.2                 | 41.5       |
| <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

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/9  | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| WATER FILTER FLANT   NSUA1  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 06-03-2024  | 07-03-2024 | 371  | 221              | 67                | 34              | 19              | CLOUDY/CALM                          |
| 27-03-2024  | 28-03-2024 | 375  | 223              | 69                | 36              | 20              | CLOUDY/CALM                          |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| V.T.C. SILEWARA   NSUA2   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 06-03-2024  | 07-03-2024 | 378  | 225              | 65                | 35              | 18              | CLOUDY/CALM                          |
| 27-03-2024  | 28-03-2024 | 382  | 227              | 67                | 37              | 19              | CLOUDY/CALM                          |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| MANDIR NEAR KANHAN RIVER   NSUA3 |            |  |                   |                 |                 |                                      |  |
|----------------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING       |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                             | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 06-03-2024                       | 07-03-2024 | 95   | 46                | 27              | BDL             | CLOUDY/CALM                          |  |
| 27-03-2024                       | 28-03-2024 | 96   | 48                | 29              | BDL             | CLOUDY/CALM                          |  |
| NAAQS, 2009                      |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |  |

| CHANKAPUR PUMP HOUSE/ COLONY   NSUA4 |            |  |                   |                 |                 |                                      |  |
|--------------------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING           |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                                 | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 06-03-2024                           | 07-03-2024 | 97   | 45                | 27              | BDL             | CLOUDY/CALM                          |  |
| 27-03-2024                           | 28-03-2024 | 98   | 47                | 29              | BDL             | CLOUDY/CALM                          |  |
| NAAQS, 2009                          |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |  |

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

|                    |  |  |
|--------------------|--|--|
| SAMPLE DESCRIPTION | Water sample   |  |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: NSUW1                       |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                   | 2                | 10            | 4            | 2              |
| 07-03-2024  | 8.09             | 20            | 32           | BDL            |
| 28-03-2024  | 7.91             | 22            | 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, SEPT-2015 |
| SAMPLING METHOD    | LSOP 6  |

| FAN HOUSE: NSUN1                                      |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 13-03-2024      | 69.3                 | 68.5       |
| MAR'24  | 27-03-2024      | 69.2                 | 68.3       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>75</b>            | <b>70</b>  |

| COLONY(SILEWARA): NSUN2                               |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 13-03-2024      | 42.2                 | 41.3       |
| MAR'24  | 27-03-2024      | 42.2                 | 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

# SINGORI OC

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



MARCH 2024

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

AN ISO 9001:2015 COMPANY

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/10   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| CONTRACTOR CAMP  NSOA1  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 07-03-2024  | 08-03-2024 | 390  | 224              | 64                | 34              | 21              | CLOUDY/CALM                          |
| 28-03-2024  | 29-03-2024 | 394  | 226              | 66                | 36              | 22              | CLOUDY/CALM                          |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| SOHALI VILLAGE  NSOA2      |            |  |                   |                 |                 |  |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
|                            |            | 5  | 2                 | 6               | 10              |  |                                      |
| 07-03-2024                 | 08-03-2024 | 98   | 45                | 25              | BDL             |  | CLOUDY/CALM                          |
| 28-03-2024                 | 29-03-2024 | 96   | 47                | 27              | BDL             |  | CLOUDY/CALM                          |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |  |                                      |

| HINGNA VILLAGE  NSOA3      |            |                  |                   |                 |                 |  |                                      |
|----------------------------|------------|------------------|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | SPM              |                   |                 |                 |  | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
|                            |            | 5                | 2                 | 6               | 10              |  |                                      |
| 07-03-2024                 | 08-03-2024 | 96               | 47                | 26              | BDL             |  | CLOUDY/CALM                          |
| 28-03-2024                 | 29-03-2024 | 98               | 49                | 28              | BDL             |  | CLOUDY/CALM                          |
| NAAQS, 2009                |            | <b>100</b>       | <b>60</b>         | <b>80</b>       | <b>80</b>       |  |                                      |

| DORLI VILLAGE  NSOA4       |            |  |                   |                 |                 |  |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
|                            |            | 5  | 2                 | 6               | 10              |  |                                      |
| 07-03-2024                 | 08-03-2024 | 98   | 46                | 27              | BDL             |  | CLOUDY/CALM                          |
| 28-03-2024                 | 29-03-2024 | 96   | 47                | 29              | BDL             |  | CLOUDY/CALM                          |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |  |                                      |

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

|                    |  |   |                      |
|--------------------|--|---|----------------------|
| SAMPLE DESCRIPTION | Water sample   |   |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |   |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: NSOW1                              |                  |               |              |                |
|--|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION                                | ANALYSIS RESULTS |               |              |                |
|  | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| <b>DETECTION LIMIT</b>                                   | <b>2</b>         | <b>10</b>     | <b>4</b>     | <b>2</b>       |
| 08-03-2024   | 8.08             | 24            | 40           | BDL            |
| 27-03-2024   | 7.55             | 26            | 44           | 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<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> |  |
|---|--------------------|---|

**NOISE LEVEL MONITORING DATA**

|                    |   |
|--------------------|---|
| SAMPLE DESCRIPTION | NOISE SAMPLE  |
| Test Required      | CPCB PROCTOCOL FOR AMBIENT NOISE MEASUREMENT, SEPT-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         |
| MAR'24  | 13-03-2024                | 52.3                 | 51.4       |
| MAR'24  | 27-03-2024                | 53.3                 | 51.9       |
| <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         |
| MAR'24  | 13-03-2024                | 42.2                 | 41.3       |
| MAR'24  | 27-03-2024                | 42.2                 | 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         |
| MAR'24  | 13-03-2024                | 67.2                 | 66.4       |
| MAR'24  | 27-03-2024                | 67.3                 | 66.5       |
| <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         |
| MAR'24  | 13-03-2024                | 66.3                 | 65.5       |
| MAR'24  | 27-03-2024                | 66.2                 | 65.4       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |



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## ENVIRONMENTAL MONITORING REPORT

### WAGHODA - UG

NAGPUR AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
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|---|--------------------|---|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7182 |
|---|--------------------|---|

|                         |  |                 |                      |
|-------------------------|--|-----------------|----------------------|
| TEST REPORT NO.         | RIN/TR/MAR-24/7  | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER        | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED           | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION      | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| MANAGER OFFICE   NWUA1   |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 02-03-2024   | 03-03-2024 | 372  | 241              | 68                | 35              | 19              | CLEAR/CALM                           |
| 17-03-2024   | 18-03-2024 | 376  | 243              | 70                | 37              | 20              | CLEAR/CALM                           |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| AJANI VILLAGE   BNWUA2     |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 02-03-2024                 | 03-03-2024 | 94   | 45                | 27              | BDL             | CLEAR/CALM                           |  |
| 17-03-2024                 | 18-03-2024 | 96   | 47                | 29              | BDL             | CLEAR/CALM                           |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

| ADASA VILLAGE   BNWUA3     |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 03-03-2024                 | 04-03-2024 | 95   | 46                | 25              | BDL             | CLEAR/CALM                           |  |
| 18-03-2024                 | 19-03-2024 | 97   | 48                | 27              | BDL             | CLEAR/CALM                           |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

| BORGAON VILLAGE   BNWUA4   |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 03-03-2024                 | 04-03-2024 | 96   | 48                | 27              | BDL             | CLEAR/CALM                           |  |
| 18-03-2024                 | 19-03-2024 | 98   | 50                | 29              | BDL             | CLEAR/CALM                           |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

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| DHAPEWADA VILLAGE   BNWUA5 |            |  |                   |                 |                 |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                      |
| 03-03-2024                 | 04-03-2024 | 98   | 46                | 25              | BDL             | CLEAR/CALM                           |
| 18-03-2024                 | 19-03-2024 | 96   | 48                | 27              | BDL             | CLEAR/CALM                           |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

| TAKLI VILLAGE   BNWUA6     |            |  |                   |                 |                 |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                      |
| 03-03-2024                 | 04-03-2024 | 95   | 45                | 27              | BDL             | CLEAR/CALM                           |
| 18-03-2024                 | 19-03-2024 | 97   | 47                | 29              | BDL             | CLEAR/CALM                           |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

| SAWANGI VILLAGE   BNWUA7   |            |  |                   |                 |                 |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                      |
| 03-03-2024                 | 04-03-2024 | 97   | 44                | 27              | BDL             | CLEAR/CALM                           |
| 18-03-2024                 | 19-03-2024 | 98   | 46                | 29              | BDL             | CLEAR/CALM                           |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

*A. Singhania*

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

|                    |  |   |                      |
|--------------------|--|---|----------------------|
| SAMPLE DESCRIPTION | Water sample   |   |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |   |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: NWUW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 03-03-2024  | 8.14             | 18            | 28           | BDL            |
| 16-03-2024  | 8.01             | 20            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

*R. Anupama*

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|---|--------------------|--|

**NOISE LEVEL MONITORING DATA**

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

| AJANI VILLAGE   |                 | NWUN1                |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 13-03-2024      | 42.2                 | 41.3       |
| MAR'24  | 27-03-2024      | 42.3                 | 41.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>55</b>            | <b>45</b>  |

| ADASA VILLAGE   |                 | NWUN2                |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 13-03-2024      | 42.3                 | 41.4       |
| MAR'24  | 27-03-2024      | 42.7                 | 41.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>55</b>            | <b>45</b>  |

| BORGAON VILLAGE                                       |                 | NWUN3                |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 13-03-2024      | 43.2                 | 41.4       |
| MAR'24  | 27-03-2024      | 43.3                 | 42.4       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>55</b>            | <b>45</b>  |

| DHAPEWADA VILLAGE                                     |                 | NWUN4                |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 13-03-2024      | 42.4                 | 41.5       |
| MAR'24  | 27-03-2024      | 43.4                 | 41.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>55</b>            | <b>45</b>  |

| TAKLI VILLAGE                                  |                 | NWUN5                |            |
|--|-----------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|  | COLLECTION      | DAY TIME             | NIGHT TIME |
|  | DETECTION LIMIT | 20                   | 20         |
| MAR'24   | 13-03-2024      | 43.3                 | 42.5       |
| MAR'24   | 27-03-2024      | 43.5                 | 41.9       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                 | 55                   | 45         |

| SAWANGI VILLAGE                                |                 | NWUNG                |            |
|--|-----------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|  | COLLECTION      | DAY TIME             | NIGHT TIME |
|  | DETECTION LIMIT | 20                   | 20         |
| MAR'24   | 13-03-2024      | 42.2                 | 41.3       |
| MAR'24   | 27-03-2024      | 42.6                 | 41.4       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                 | 55                   | 45         |

| NEAR MANAGER OFFICE                            |                 | NWUN7                |            |
|--|-----------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|  | COLLECTION      | DAY TIME             | NIGHT TIME |
|  | DETECTION LIMIT | 20                   | 20         |
| MAR'24   | 13-03-2024      | 53.3                 | 52.6       |
| MAR'24   | 27-03-2024      | 54.2                 | 53.9       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                 | 55                   | 45         |



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## ENVIRONMENTAL MONITORING REPORT

### DINESH OCP

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



MARCH 2024

Environment Laboratory

**CMPDI**

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

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/11   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| MANAGER OFFICE   UM30A1  |            |  |                  |                   |                 |                 |                                   |
|--|------------|--|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|  |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM   | TO         | 5  | 5                | 2                 | 6               | 10              |                                   |
| 05-03-2024   | 06-03-2024 | 248  | 140              | 41                | 12              | 11              | Clear/Light breeze                |
| 19-03-2024   | 20-03-2024 | 232  | 136              | 36                | 11              | 10              | Clear/calm                        |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                   |

| NEAR RLY. WEIGHT BRIDGE   UM30A2   |            |  |                  |                   |                 |                 |                                   |
|--|------------|--|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|  |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM   | TO         | 5  | 5                | 2                 | 6               | 10              |                                   |
| 05-03-2024   | 06-03-2024 | 252  | 144              | 38                | 11              | 10              | Clear/Light breeze                |
| 19-03-2024   | 20-03-2024 | 240  | 138              | 36                | 12              | 11              | Clear/calm                        |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                   |

| PIPARDOL VILLAGE   UM30A3  |            |  |                   |                 |                 |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind)    |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                      |
| 03-03-2024                 | 04-03-2024 | 74   | 24                | 6               | BDL             | Clear sky / Moderate breeze          |
| 04-03-2024                 | 05-03-2024 | 78   | 28                | 7               | BDL             | Clear sky / Moderate breeze          |
| 10-03-2024                 | 11-03-2024 | 80   | 30                | 8               | BDL             | Clear sky / light breeze             |
| 11-03-2024                 | 12-03-2024 | 72   | 22                | 6               | BDL             | Clear sky / light breeze             |
| 17-03-2024                 | 18-03-2024 | 76   | 26                | 7               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 18-03-2024                 | 19-03-2024 | 80   | 30                | 8               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 24-03-2024                 | 25-03-2024 | 76   | 26                | 7               | BDL             | Clear sky / Calm                     |
| 25-03-2024                 | 26-03-2024 | 72   | 22                | 6               | BDL             | Clear sky / Calm                     |
| 30-03-2024                 | 31-03-2024 | 74   | 24                | 6               | BDL             | Clear sky / Calm                     |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |

| WELSAKARA VILLAGE   UM30A4 |            |  |                   |                 |                 |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind)    |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                      |
| 03-03-2024                 | 04-03-2024 | 72   | 22                | 6               | BDL             | Clear sky / Moderate breeze          |
| 04-03-2024                 | 05-03-2024 | 74   | 24                | 7               | BDL             | Clear sky / Moderate breeze          |
| 10-03-2024                 | 11-03-2024 | 76   | 26                | 7               | BDL             | Clear sky / light breeze             |
| 11-03-2024                 | 12-03-2024 | 80   | 30                | 8               | BDL             | Clear sky / light breeze             |
| 17-03-2024                 | 18-03-2024 | 78   | 28                | 7               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 18-03-2024                 | 19-03-2024 | 74   | 26                | 6               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 24-03-2024                 | 25-03-2024 | 72   | 24                | 6               | BDL             | Clear sky / Calm                     |
| 25-03-2024                 | 26-03-2024 | 78   | 28                | 7               | BDL             | Clear sky / Calm                     |
| 30-03-2024                 | 31-03-2024 | 76   | 26                | 6               | BDL             | Clear sky / Calm                     |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |

*J. Singh*  
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> |  |
|---|--------------------|---|

|                           |   |  |                      |
|---------------------------|---|--|----------------------|
| <b>SAMPLE DESCRIPTION</b> | Water sample  |  |                      |
| <b>Test Required</b>      | pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| <b>SAMPLING METHOD</b>    | LSOP 5  | <b>PERIOD OF PERFORMANCE OF LAB ACTIVITIES :</b> | 16-03-24 TO 15-04-24 |

| <b>MINE WATER DISCHARGE: UM3OW1</b>                     |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>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              |
| 12-03-2024  | 7.79             | 18            | 28           | BDL            |
| 26-03-2024  | 8.02             | 22            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| <b>ETP: UM3OW2</b>                                      |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>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              |
| 12-03-2024  | 7.71             | 26            | 36           | BDL            |
| 26-03-2024  | 7.67             | 28            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

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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  |

| PIT OFFICE UGON1                                      |                           |                      |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
|   |                           | 20                   | 20         |
| MAR'2024  | 06-03-2024                | 63.4                 | 57.4       |
| MAR'2024  | 20-03-2024                | 62.5                 | 56.7       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |



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## ENVIRONMENTAL MONITORING REPORT

### GOKUL OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




MARCH 2024

Environment Laboratory

**CMPDI**

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/12   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| CONTRACTOR CAMP UGOA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 12-03-2024  | 13-03-2024 | 245  | 140              | 40                | 12              | 11              | Clear sky / Moderate breeze          |
| 26-03-2024  | 27-03-2024 | 232  | 130              | 35                | 13              | 12              | Clear/ Calm                          |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
| 05-03-2024                 | 06-03-2024 | 72   | 22                | 6               | BDL             |  | Clear sky / Moderate breeze          |
| 06-03-2024                 | 07-03-2024 | 74   | 24                | 7               | BDL             |  | Clear sky / Moderate breeze          |
| 12-03-2024                 | 13-03-2024 | 76   | 26                | 7               | BDL             |  | Clear sky / light breeze             |
| 13-03-2024                 | 14-03-2024 | 78   | 28                | 7               | BDL             |  | Clear sky / light breeze             |
| 19-03-2024                 | 20-03-2024 | 74   | 24                | 6               | BDL             |  | Rainy, Partially cloud / Lightbreeze |
| 20-03-2024                 | 21-03-2024 | 76   | 26                | 7               | BDL             |  | Rainy, Partially cloud / Lightbreeze |
| 26-03-2024                 | 27-03-2024 | 80   | 30                | 8               | BDL             |  | Clear sky / Calm                     |
| 27-03-2024                 | 28-03-2024 | 72   | 22                | 6               | BDL             |  | Clear sky / Calm                     |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |  |                                      |

| NAND VILLAGE UGOA3         |            |  |                   |                 |                 |  |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
| 05-03-2024                 | 06-03-2024 | 74   | 24                | 6               | BDL             |  | Clear sky / Moderate breeze          |
| 06-03-2024                 | 07-03-2024 | 80   | 30                | 8               | BDL             |  | Clear sky / Moderate breeze          |
| 12-03-2024                 | 13-03-2024 | 72   | 22                | 6               | BDL             |  | Clear sky / light breeze             |
| 13-03-2024                 | 14-03-2024 | 78   | 30                | 8               | BDL             |  | Clear sky / light breeze             |
| 19-03-2024                 | 20-03-2024 | 76   | 26                | 6               | BDL             |  | Rainy, Partially cloud / Lightbreeze |
| 20-03-2024                 | 21-03-2024 | 78   | 28                | 8               | BDL             |  | Rainy, Partially cloud / Lightbreeze |
| 26-03-2024                 | 27-03-2024 | 76   | 26                | 7               | BDL             |  | Clear sky / Calm                     |
| 27-03-2024                 | 28-03-2024 | 72   | 22                | 6               | BDL             |  | Clear sky / Calm                     |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |  |                                      |

| POLGAON VILLAGE UGOA4                              |            |  |                   |                 |                 |                                      |
|--|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) AND TIME (12 hr format) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind)    |
| FROM   | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|  |            | 5  | 2                 | 6               | 10              |                                      |
| 05-03-2024   | 06-03-2024 | 78   | 28                | 8               | BDL             | Clear sky / Moderate breeze          |
| 06-03-2024   | 07-03-2024 | 74   | 24                | 6               | BDL             | Clear sky / Moderate breeze          |
| 12-03-2024   | 13-03-2024 | 80   | 28                | 7               | BDL             | Clear sky / light breeze             |
| 13-03-2024   | 14-03-2024 | 72   | 22                | 6               | BDL             | Clear sky / light breeze             |
| 19-03-2024   | 20-03-2024 | 76   | 26                | 7               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 20-03-2024   | 21-03-2024 | 72   | 22                | 6               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 26-03-2024   | 27-03-2024 | 78   | 28                | 8               | BDL             | Clear sky / Calm                     |
| 27-03-2024   | 28-03-2024 | 74   | 24                | 6               | BDL             | Clear sky / Calm                     |
| NAAQS, 2009  |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |

*J. Singh*

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

|                    |   |   |                      |
|--------------------|---|---|----------------------|
| SAMPLE DESCRIPTION | Water sample  |   |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C |   |                      |
| SAMPLING METHOD    | LSOP 5  | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: UGOW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 13-03-2024  | 7.65             | 26            | 36           | BDL            |
| 27-03-2024  | 8.16             | 28            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP(WORKSHOP): UGOW2                                    |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 13-03-2024  | 7.83             | 18            | 28           | BDL            |
| 27-03-2024  | 8.30             | 22            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

*J. Shrivastava*

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

**NOISE LEVEL MONITORING DATA**

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

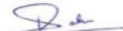
| PIT OFFICE: UGON1                                     |                           |                      |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'2024  | 06-03-2024                | 63.5                 | 61.2       |
| MAR'2024  | 20-03-2024                | 64.5                 | 60.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| CONTRACTOR CAMP: UGON2                                |                           |                      |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'2024  | 06-03-2024                | 60.7                 | 56.1       |
| MAR'2024  | 20-03-2024                | 59.6                 | 55.3       |
| <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. 4094423068




MARCH 2024

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/14   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-07-23 TO 14-08-23 |

| NEAR MANAGER OFFICE   |            | UMOA1  |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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> |                                      |
| 11-03-2024  | 12-03-2024 | 238  | 136              | 38                | 12              | 11              | Cloudy / Calm                        |
| 21-03-2024  | 22-03-2024 | 246  | 140              | 42                | 11              | 10              | Cloudy / Calm                        |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| SAM OFFICE  |            | UMOA2  |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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> |                                      |
| 11-03-2024  | 12-03-2024 | 255  | 148              | 40                | 12              | 10              | Cloudy / Calm                        |
| 21-03-2024  | 22-03-2024 | 260  | 152              | 44                | 13              | 11              | Cloudy / Calm                        |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| KANWA VILLAGE              |            | UJUA3  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                                      |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 09-03-2024                 | 10-03-2024 | 76   | 28                | 7               | BDL             | Cloudy / calm                        |
| 19-03-2024                 | 20-03-2024 | 74   | 24                | 6               | BDL             | Cloudy / Calm                        |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

| NEAR PUMP HOUSE COLONY     |            | UJUA4  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                                      |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 09-03-2024                 | 10-03-2024 | 72   | 22                | 6               | BDL             | Cloudy / calm                        |
| 19-03-2024                 | 20-03-2024 | 78   | 26                | 7               | BDL             | Cloudy / Calm                        |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

*J. Shrivastava*

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

**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                                |                           | NOISE LEVEL IN dB(A) | NOISE LEVEL IN dB(A) |
|---|---------------------------|----------------------|----------------------|
| MONTH   | DATE OF SAMPLE COLLECTION | DAY TIME             | DAY TIME             |
|   |                           | DETECTION LIMIT      | 20                   |
| MAR'2024  | 06-03-2024                | 62.3                 | 59.4                 |
| MAR'2024  | 20-03-2024                | 61.8                 | 57.1                 |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>            |



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
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## ENVIRONMENTAL MONITORING REPORT

### MAKARDHOKRA-I OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




MARCH 2024

Environment Laboratory

**CMPDI**

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

AN ISO 9001:2015 COMPANY

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

|                         |  |                 |                      |
|-------------------------|--|-----------------|----------------------|
| TEST REPORT NO.         | RIN/TR/MAR-24/34   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER        | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED           | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION      | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|--|------------|---|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| FROM   | TO         | SPM   | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| 12-03-2024   | 13-03-2024 | 245   | 142              | 40                | 12              | 11              | Clear sky / Moderate breeze       |
| 26-03-2024   | 27-03-2024 | 239   | 135              | 35                | 11              | 10              | 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 µg/m <sup>3</sup> ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind)    |
|----------------------------|------------|---|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>                                    | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 03-03-2024                 | 04-03-2024 | 72  | 22                | 6               | BDL             | Clear sky / Moderate breeze          |
| 04-03-2024                 | 05-03-2024 | 76  | 26                | 7               | BDL             | Clear sky / Moderate breeze          |
| 10-03-2024                 | 11-03-2024 | 70  | 22                | 6               | BDL             | Clear sky / light breeze             |
| 11-03-2024                 | 12-03-2024 | 78  | 28                | 7               | BDL             | Clear sky / light breeze             |
| 17-03-2024                 | 18-03-2024 | 80  | 30                | 8               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 18-03-2024                 | 19-03-2024 | 74  | 24                | 6               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 24-03-2024                 | 25-03-2024 | 76  | 26                | 7               | BDL             | Clear sky / Calm                     |
| 25-03-2024                 | 26-03-2024 | 72  | 22                | 6               | BDL             | Clear sky / Calm                     |
| 30-03-2024                 | 31-03-2024 | 78  | 27                | 7               | BDL             | Clear sky / Calm                     |
| NAAQS, 2009                |            | 100   | 60                | 80              | 80              |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind)    |
|----------------------------|------------|---|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>                                    | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 03-03-2024                 | 04-03-2024 | 80  | 30                | 8               | BDL             | Clear sky / Moderate breeze          |
| 04-03-2024                 | 05-03-2024 | 74  | 24                | 6               | BDL             | Clear sky / Moderate breeze          |
| 10-03-2024                 | 11-03-2024 | 76  | 22                | 6               | BDL             | Clear sky / light breeze             |
| 11-03-2024                 | 12-03-2024 | 78  | 24                | 7               | BDL             | Clear sky / light breeze             |
| 17-03-2024                 | 18-03-2024 | 74  | 26                | 6               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 18-03-2024                 | 19-03-2024 | 76  | 26                | 7               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 24-03-2024                 | 25-03-2024 | 80  | 30                | 8               | BDL             | Clear sky / Calm                     |
| 25-03-2024                 | 26-03-2024 | 78  | 28                | 7               | BDL             | Clear sky / Calm                     |
| 30-03-2024                 | 31-03-2024 | 76  | 26                | 6               | BDL             | Clear sky / Calm                     |
| NAAQS, 2009                |            | 100   | 60                | 80              | 80              |                                      |

| KHURSAPUR VILLAGE UM10A4   |            |  |                   |                 |                 |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind)    |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|                            |            | 5  | 2                 | 6               | 10              |                                      |
| 03-03-2024                 | 04-03-2024 | 74   | 24                | 6               | BDL             | Clear sky / Moderate breeze          |
| 04-03-2024                 | 05-03-2024 | 78   | 28                | 7               | BDL             | Clear sky / Moderate breeze          |
| 10-03-2024                 | 11-03-2024 | 80   | 30                | 8               | BDL             | Clear sky / light breeze             |
| 11-03-2024                 | 12-03-2024 | 76   | 26                | 7               | BDL             | Clear sky / light breeze             |
| 17-03-2024                 | 18-03-2024 | 72   | 22                | 6               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 18-03-2024                 | 19-03-2024 | 80   | 30                | 8               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 24-03-2024                 | 25-03-2024 | 76   | 26                | 7               | BDL             | Clear sky / Calm                     |
| 25-03-2024                 | 26-03-2024 | 72   | 22                | 6               | BDL             | Clear sky / Calm                     |
| 30-03-2024                 | 31-03-2024 | 74   | 24                | 6               | BDL             | Clear sky / Calm                     |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |
| HEOTI VILLAGE UM10A5       |            |  |                   |                 |                 |                                      |
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind)    |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|                            |            | 5  | 2                 | 6               | 10              |                                      |
| 03-03-2024                 | 04-03-2024 | 78   | 28                | 7               | BDL             | Clear sky / Moderate breeze          |
| 04-03-2024                 | 05-03-2024 | 74   | 24                | 6               | BDL             | Clear sky / Moderate breeze          |
| 10-03-2024                 | 11-03-2024 | 72   | 22                | 6               | BDL             | Clear sky / light breeze             |
| 11-03-2024                 | 12-03-2024 | 78   | 28                | 7               | BDL             | Clear sky / light breeze             |
| 17-03-2024                 | 18-03-2024 | 80   | 30                | 8               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 18-03-2024                 | 19-03-2024 | 78   | 27                | 7               | BDL             | Rainy, Partially cloud / Lightbreeze |
| 24-03-2024                 | 25-03-2024 | 76   | 26                | 7               | BDL             | Clear sky / Calm                     |
| 25-03-2024                 | 26-03-2024 | 72   | 22                | 6               | BDL             | Clear sky / Calm                     |
| 30-03-2024                 | 31-03-2024 | 74   | 24                | 6               | BDL             | Clear sky / Calm                     |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

*J. Singh*

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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 : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: UM10W1                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 12-03-2024  | 7.74             | 28            | 40           | BDL            |
| 26-03-2024  | 7.99             | 22            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP: UM10W2   |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 12-03-2024  | 7.91             | 26            | 36           | BDL            |
| 26-03-2024  | 7.84             | 18            | 28           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

*J. Shetye*

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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 |
|  |                           | 20                   | 20         |
| MAR'2024                                       | 06-03-2024                | 61.9                 | 58.5       |
| MAR'2024                                       | 20-03-2024                | 62.4                 | 59.6       |
| 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 |
|  |                           | 20                   | 20         |
| MAR'2024                                       | 06-03-2024                | 47.1                 | 43.0       |
| MAR'2024                                       | 20-03-2024                | 45.9                 | 42.5       |
| 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 |
|  |                           | 20                   | 20         |
| MAR'2024                                       | 06-03-2024                | 48.5                 | 43.5       |
| MAR'2024                                       | 20-03-2024                | 47.2                 | 43.1       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 55                   | 45         |



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## ENVIRONMENTAL MONITORING REPORT

### MORPAR UG

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




MARCH 2024

Environment Laboratory

**CMPDI**

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/15   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-07-23 TO 14-08-23 |

| NEAR PIT OFFICE   |            | UMUA1  |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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> |                                      |
| 10-03-2024  | 11-03-2024 | 255  | 148              | 38                | 12              | 10              | Cloudy / Calm                        |
| 20-03-2024  | 21-03-2024 | 262  | 155              | 40                | 13              | 11              | Cloudy / Calm                        |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| NEAR MAGAZINE BUILDING  |            | UMUA2  |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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> |                                      |
| 10-03-2024  | 11-03-2024 | 268  | 150              | 46                | 12              | 11              | Cloudy / Calm                        |
| 20-03-2024  | 21-03-2024 | 259  | 144              | 36                | 11              | 10              | Cloudy / Calm                        |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 14              | 120             |                                      |

| COLONY (MURPAR UG)         |            | UMUA3  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                                      |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 10-03-2024                 | 11-03-2024 | 76   | 26                | 7               | BDL             | Cloudy / Calm                        |
| 20-03-2024                 | 21-03-2024 | 74   | 24                | 6               | BDL             | Cloudy / Calm                        |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

| MORPAR VILLAGE             |            | UMUA4  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                                      |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 10-03-2024                 | 11-03-2024 | 72   | 25                | 7               | BDL             | Cloudy / Calm                        |
| 20-03-2024                 | 21-03-2024 | 70   | 22                | 6               | BDL             | Cloudy / Calm                        |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

*J. Chay*

Analysed by

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

**NOISE LEVEL MONITORING DATA**

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

| FAN HOUSE:                                     |                           | UMUN1                |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|  | DETECTION LIMIT           | DAY TIME             | Night time |
| MAR'2024                                       | 07-03-2024                | 56.2                 | 51.6       |
| MAR'2024                                       | 20-03-2024                | 55.8                 | 50.9       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 75                   | 70         |

| COLONY:  |                           | UMUN2                |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|  | DETECTION LIMIT           | DAY TIME             | Night time |
| MAR'2024                                       | 07-03-2024                | 43.8                 | 38.9       |
| MAR'2024                                       | 20-03-2024                | 44.2                 | 39.8       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 55                   | 45         |



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## ENVIRONMENTAL MONITORING REPORT

### UMRER OC

UMRER AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068




MARCH 2024

Environment Laboratory

**CMPDI**

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

AN ISO 9001:2015 COMPANY

|   |  |                      |            |  |
|---|--|----------------------|------------|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b>   |            | <br>TC-7102 |
| TEST REPORT NO.                                       | RIN/TR/MAR-24/16   | DATE OF ISSUE        | 29-04-2024 |  |
| NAME OF CUSTOMER                                      | GM(ENV.), WCL(HQ), NAGPUR  |                      |            |  |
| TEST REQUIRED   | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                      |            |  |
| SAMPLE DESCRIPTION                                    | AIR SAMPLE   | SAMPLING PLAN :      | LQR 47     |  |
| SAMPLING METHOD : LSOP 4                              | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   | 16-03-24 TO 15-04-24 |            |  |

| UMRER MANAGER OFFICE   UJOOA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 09-03-2024  | 10-03-2024 | 235  | 136              | 2                 | 12              | 10              | Cloudy / calm                        |
| 19-03-2024  | 20-03-2024 | 245  | 148              | 47                | 13              | 11              | Cloudy / calm                        |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| NEAR WORKSHOP   UJOOA2  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 09-03-2024  | 10-03-2024 | 251  | 146              | 44                | 13              | 11              | Cloudy / calm                        |
| 19-03-2024  | 20-03-2024 | 238  | 139              | 38                | 12              | 10              | Cloudy / calm                        |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |


| KANWA VILLAGE   UJOOA3     |            |  |                   |                 |                 |     |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|-----|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |     | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |     |                                      |
| 09-03-2024                 | 10-03-2024 | 76   | 28                | 7               | BDL             | BDL | Cloudy / calm                        |
| 19-03-2024                 | 20-03-2024 | 74   | 24                | 6               | BDL             | BDL | Cloudy / Calm                        |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |     |                                      |

| NEAR PUMP HOUSE COLONY   UJOOA4 |            |  |                   |                 |                 |     |                                      |
|---------------------------------|------------|--|-------------------|-----------------|-----------------|-----|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING      |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |     | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                            | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |     |                                      |
| 09-03-2024                      | 10-03-2024 | 72   | 22                | 6               | BDL             | BDL | Cloudy / calm                        |
| 19-03-2024                      | 20-03-2024 | 78   | 26                | 7               | BDL             | BDL | Cloudy / Calm                        |
| NAAQS, 2009                     |            | 100  | 60                | 80              | 80              |     |                                      |

*J. Shrivastava*

Analysed by



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

|                           |  |  |                      |
|---------------------------|--|--|----------------------|
| <b>SAMPLE DESCRIPTION</b> | Water sample   |  |                      |
| <b>Test Required</b>      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| <b>SAMPLING METHOD</b>    | LSOP 5   | <b>PERIOD OF PERFORMANCE OF LAB ACTIVITIES :</b> | 16-03-24 TO 15-04-24 |

| <b>MINE WATER DISCHARGE: UUOW1</b>                      |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 09-03-2024  | 8.06             | 26            | 36           | BDL            |
| 19-03-2024  | 7.83             | 28            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| <b>ETP: UUOW2</b>                                       |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 09-03-2024  | 7.95             | 20            | 28           | BDL            |
| 19-03-2024  | 7.85             | 22            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| <b>STP: UUOW3</b>   |                  |              |
|---|------------------|--------------|
| DATE OF SAMPLE<br>COLLECTION  | ANALYSIS RESULTS |              |
|   | TSS (in mg/l)    | BOD(in mg/l) |
| DETECTION LIMIT   | 10               | 2            |
| 09-03-2024  | 28               | 11.8         |
| 19-03-2024  | 30               | 12.6         |
| GENERAL STANDARDS FOR<br>DISCHARGE OF ENVIRONMENT<br>POLLUTANTS GSR 801E EPA 1993 | 100              | 30           |

*J. Shyam*  
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7182 |
|---|--------------------|--|

**NOISE LEVEL MONITORING DATA**

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

| CHP:  |                           | UJON1                            |                                    |
|---|---------------------------|----------------------------------|------------------------------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A)<br>DAY TIME | NOISE LEVEL IN dB(A)<br>NIGHT TIME |
|   | DETECTION LIMIT           | 20                               | 20                                 |
|   | MAR'2024                  | 06-03-2024                       | 62.7                               |
| MAR'2024  | 20-03-2024                | 63.2                             | 59.5                               |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | 75                               | 70                                 |

| COLONY:   |                           | UJON2                            |                                    |
|---|---------------------------|----------------------------------|------------------------------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A)<br>DAY TIME | NOISE LEVEL IN dB(A)<br>NIGHT TIME |
|   | DETECTION LIMIT           | 20                               | 20                                 |
|   | MAR'2024                  | 06-03-2024                       | 47.9                               |
| MAR'2024  | 20-03-2024                | 48.1                             | 42.4                               |
| <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. 4094423068



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
CMPDI  
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/17   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 03-03-2024  | 04-03-2024 | 342  | 218              | 64                | 22              | 11              | CLEAR / LIGHT BREEZE                 |
| 21-03-2024  | 22-03-2024 | 294  | 188              | 59                | 20              | BDL             | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MARember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 03-03-2024  | 04-03-2024 | 337  | 221              | 63                | 24              | 11              | CLEAR / LIGHT BREEZE                 |
| 21-03-2024  | 22-03-2024 | 291  | 193              | 60                | 21              | BDL             | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MARember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 03-03-2024                 | 04-03-2024 | 87   | 39                | 16              | BDL             | CLEAR / LIGHT BREEZE                 |
| 21-03-2024                 | 22-03-2024 | 76   | 34                | 14              | BDL             | CLEAR / LIGHT BREEZE                 |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 03-03-2024                 | 04-03-2024 | 93   | 39                | 17              | BDL             | CLEAR / LIGHT BREEZE                 |
| 21-03-2024                 | 22-03-2024 | 82   | 34                | 15              | BDL             | CLEAR / LIGHT BREEZE                 |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

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

**NOISE LEVEL MONITORING DATA**

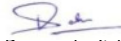
|                    |  |
|--------------------|--|
| SAMPLE DESCRIPTION | NOISE SAMPLE   |
| Test Required      | CPCB PRMAROCOL FOR AMBIENT NOISE MEASUREMENT, MAR-2015 |
| SAMPLING METHOD    | LSOP 6   |

| CHP: WGON1  |                           |                      |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   |                           | DETECTION LIMIT      | 20         |
| MAR'24  | 06-03-2024                | 66.6                 | 65.5       |
| MAR'24  | 29-03-2024                | 68.8                 | 66.7       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| COLONY(GHUGUS): WGON2                                 |                           |                      |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   |                           | DETECTION LIMIT      | 20         |
| MAR'24  | 06-03-2024                | 44.3                 | 43.5       |
| MAR'24  | 29-03-2024                | 45.6                 | 43.4       |
| <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. 4094423068



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
CMPDI  
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/18   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 06-03-2024   | 07-03-2024 | 314  | 201              | 63                | 23              | 11              | CLEAR / CALM                         |
| 20-03-2024   | 21-03-2024 | 278  | 184              | 61                | 21              | BDL             | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH MAREmber 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 03-03-2024   | 04-03-2024 | 315  | 214              | 59                | 24              | 12              | CLOUDY / LIGHT BREEZE                |
| 18-03-2024   | 19-03-2024 | 291  | 193              | 62                | 22              | 10              | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH MAREmber 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |


| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 06-03-2024                 | 07-03-2024 | 87   | 36                | 16              | BDL             | CLEAR / CALM                         |
| 20-03-2024                 | 21-03-2024 | 92   | 38                | 17              | BDL             | CLEAR / LIGHT BREEZE                 |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 02-03-2024                 | 03-03-2024 | 84   | 35                | 14              | BDL             | CLEAR / CALM                         |
| 03-03-2024                 | 04-03-2024 | 81   | 42                | 15              | BDL             | CLEAR / CALM                         |
| 09-03-2024                 | 10-03-2024 | 76   | 33                | 17              | BDL             | CLEAR / LIGHT BREEZE                 |
| 10-03-2024                 | 11-03-2024 | 79   | 40                | 16              | BDL             | CLEAR / LIGHT BREEZE                 |
| 16-03-2024                 | 17-03-2024 | 87   | 41                | 16              | BDL             | CLOUDY / MODERATE BREEZE             |
| 17-03-2024                 | 18-03-2024 | 93   | 38                | 17              | BDL             | CLEAR / LIGHT BREEZE                 |
| 23-03-2024                 | 24-03-2024 | 90   | 36                | 15              | BDL             | CLEAR / LIGHT BREEZE                 |
| 24-03-2024                 | 25-03-2024 | 88   | 40                | 14              | BDL             | CLOUDY / MODERATE BREEZE             |
| 30-03-2024                 | 31-03-2024 | 90   | 31                | 16              | BDL             | CLEAR / LIGHT BREEZE                 |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |



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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017), TSS: IS 3025-Part 17:1984(RA 2017), COD: APHA (23rd Edition) 5220 C :2017, O & G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: WKOW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 06-03-2024  | 8.08             | 44            | 50           | BDL            |
| 20-03-2024  | 8.48             | 32            | 42           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**

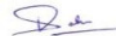
|                    |  |
|--------------------|--|
| SAMPLE DESCRIPTION | NOISE SAMPLE   |
| Test Required      | CPCB PRMAROCOL FOR AMBIENT NOISE MEASUREMENT, MAR-2015 |
| SAMPLING METHOD    | LSOP 6   |

| MANAGER OFFICE: WKON1                                 |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 06-03-2024      | 51.7                 | 50.5       |
| MAR'24  | 29-03-2024      | 54.6                 | 52.2       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>75</b>            | <b>70</b>  |

| COLONY(MUNGOLI): WKON2                                |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 06-03-2024      | 43.7                 | 42.5       |
| MAR'24  | 29-03-2024      | 44.7                 | 42.5       |
| <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. 4094423068



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
CMPDI  
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/19   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| SUBSTATION   WMOA1  |            |  |                  |                   |                 |                 |                                   |
|---|------------|--|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|   |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM  | TO         | 5  | 5                | 2                 | 6               | 10              |                                   |
| 03-03-2024  | 04-03-2024 | 323  | 213              | 59                | 23              | 12              | CLOUDY / LIGHT BREEZE             |
| 18-03-2024  | 19-03-2024 | 291  | 186              | 64                | 21              | BDL             | CLEAR / LIGHT BREEZE              |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MAREmber 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              |                                   |
| 03-03-2024  | 04-03-2024 | 315  | 214              | 59                | 24              | 12              | CLOUDY / LIGHT BREEZE             |
| 18-03-2024  | 19-03-2024 | 291  | 193              | 62                | 22              | 10              | CLEAR / LIGHT BREEZE              |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MAREmber 2000 |            | 600  | 300              | -                 | 120             | 120             |                                   |

| KAILSHNAGAR TOWNSHIP - FILTER PLANT   WMOA3 |            |  |                   |                 |                 |                                   |
|---|------------|--|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|   |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM  | TO         | 5  | 2                 | 6               | 10              |                                   |
| 02-03-2024                                  | 03-03-2024 | 84   | 35                | 14              | BDL             | CLEAR / CALM                      |
| 03-03-2024                                  | 04-03-2024 | 81   | 42                | 15              | BDL             | CLEAR / CALM                      |
| 09-03-2024                                  | 10-03-2024 | 76   | 33                | 17              | BDL             | CLEAR / LIGHT BREEZE              |
| 10-03-2024                                  | 11-03-2024 | 79   | 40                | 16              | BDL             | CLEAR / LIGHT BREEZE              |
| 16-03-2024                                  | 17-03-2024 | 87   | 41                | 16              | BDL             | CLOUDY / MODERATE BREEZE          |
| 17-03-2024                                  | 18-03-2024 | 93   | 38                | 17              | BDL             | CLEAR / LIGHT BREEZE              |
| 23-03-2024                                  | 24-03-2024 | 90   | 36                | 15              | BDL             | CLEAR / LIGHT BREEZE              |
| 24-03-2024                                  | 25-03-2024 | 88   | 40                | 14              | BDL             | CLOUDY / MODERATE BREEZE          |
| 30-03-2024                                  | 31-03-2024 | 90   | 31                | 16              | BDL             | CLEAR / LIGHT BREEZE              |
| NAAQS, 2009                                 |            | 100  | 60                | 80              | 80              |                                   |

| TUBEWELL NEAR SAKHARA VILLAGE   WMOA4 |            |  |                   |                 |                 |                                   |
|---------------------------------------|------------|--|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING            |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|                                       |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM                                  | TO         | 5  | 2                 | 6               | 10              |                                   |
| 02-03-2024                            | 03-03-2024 | 82   | 33                | 14              | BDL             | CLEAR / CALM                      |
| 03-03-2024                            | 04-03-2024 | 80   | 38                | 16              | BDL             | CLEAR / CALM                      |
| 09-03-2024                            | 10-03-2024 | 86   | 41                | 17              | BDL             | CLEAR / LIGHT BREEZE              |
| 10-03-2024                            | 11-03-2024 | 74   | 40                | 15              | BDL             | CLEAR / LIGHT BREEZE              |
| 16-03-2024                            | 17-03-2024 | 91   | 38                | 17              | BDL             | CLOUDY / MODERATE BREEZE          |
| 17-03-2024                            | 18-03-2024 | 84   | 37                | 14              | BDL             | CLEAR / LIGHT BREEZE              |
| 23-03-2024                            | 24-03-2024 | 82   | 34                | 16              | BDL             | CLEAR / LIGHT BREEZE              |
| 24-03-2024                            | 25-03-2024 | 80   | 35                | 15              | BDL             | CLOUDY / MODERATE BREEZE          |
| 30-03-2024                            | 31-03-2024 | 87   | 36                | 17              | BDL             | CLEAR / LIGHT BREEZE              |
| NAAQS, 2009                           |            | 100  | 60                | 80              | 80              |                                   |

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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: WMOW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 10-03-2024  | 7.72             | 42            | 36           | BDL            |
| 28-03-2024  | 7.30             | 50            | 44           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP DISCHARGE: WMOW2                                    |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 10-03-2024  | 7.75             | 48            | 36           | BDL            |
| 28-03-2024  | 7.53             | 52            | 44           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>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 PRMAROCOL FOR AMBIENT NOISE MEASUREMENT, MAR-2015 |
| SAMPLING METHOD    | LSOP 6   |

| CHP: <b>WMON1</b>                                     |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   |                              | DETECTION LIMIT      | 20         |
| MAR'24  | 06-03-2024                   | 63.8                 | 62.7       |
| MAR'24  | 29-03-2024                   | 68.4                 | 66.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| COLONY(MUNGOLI): <b>WMON2</b>                         |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   |                              | DETECTION LIMIT      | 20         |
| MAR'24  | 06-03-2024                   | 43.7                 | 42.5       |
| MAR'24  | 29-03-2024                   | 44.7                 | 42.5       |
| <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. 4094423068




MARCH 2024



Environment Laboratory  
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|   |  |                    |            |   |  |
|---|--|--------------------|------------|---|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b> |            |  |  |
| TEST REPORT NO.                                       | RIN/TR/MAR-24/20   | DATE OF ISSUE      | 29-04-2024 |   |  |
| NAME OF CUSTOMER                                      | GM(ENV.), WCL(HQ), NAGPUR  |                    |            |   |  |
| TEST REQUIRED   | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                    |            |   |  |
| SAMPLE DESCRIPTION                                    | AIR SAMPLE   | SAMPLING PLAN :    |            | LQR 47  |  |
| SAMPLING METHOD : LSOP 4                              | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                    |            | 16-03-24 TO 15-04-24  |  |

| SAM OFFICE   WNGOA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 07-03-2024  | 08-03-2024 | 319  | 218              | 60                | 21              | 11              | CLEAR / LIGHT BREEZE                 |
| 22-03-2024  | 23-03-2024 | 337  | 241              | 64                | 24              | 12              | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MAREmber 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<br>CONDITIONS (Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 04-03-2024  | 05-03-2024 | 341  | 220              | 63                | 23              | BDL             | CLEAR / CALM                         |
| 18-03-2024  | 19-03-2024 | 307  | 192              | 59                | 21              | BDL             | CLOUDY / MODERATE BREEZE             |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MAREmber 2000 |            | 600  | 300              | 60                | 120             | 120             |                                      |

| BELLORA REHABILITATION VILLAGE   WNGOA2 |            |  |                   |                 |                 |                      |                                      |
|---|------------|--|-------------------|-----------------|-----------------|----------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING              |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                      | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM                                    | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                      |                                      |
| 07-03-2024                              | 08-03-2024 | 89   | 36                | 16              | BDL             | CLEAR / LIGHT BREEZE |                                      |
| 22-03-2024                              | 23-03-2024 | 84   | 33                | 14              | BDL             | CLEAR / CALM         |                                      |
| NAAQS, 2009                             |            | 100  | 60                | 80              | 80              |                      |                                      |

| FILTER PLANT NEAR VIP GUEST HOUSE   WNGOA3 |            |  |                   |                 |                 |                      |                                      |
|--|------------|--|-------------------|-----------------|-----------------|----------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                 |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                      | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM                                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                      |                                      |
| 07-03-2024                                 | 08-03-2024 | 84   | 34                | 17              | BDL             | CLEAR / LIGHT BREEZE |                                      |
| 22-03-2024                                 | 23-03-2024 | 93   | 41                | 15              | BDL             | CLEAR / CALM         |                                      |
| NAAQS, 2009                                |            | 100  | 60                | 80              | 80              |                      |                                      |



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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| <b>MINE WATER DISCHARGE: WNGOW1</b>                     |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 07-03-2024  | 7.40             | 46            | 32           | BDL            |
| 22-03-2024  | 7.01             | 52            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| <b>ETP DISCHARGE: WNGOW2</b>                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 07-03-2024  | 7.69             | 52            | 40           | BDL            |
| 22-03-2024  | 7.73             | 38            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

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

**NOISE LEVEL MONITORING DATA**

|                    |  |
|--------------------|--|
| SAMPLE DESCRIPTION | NOISE SAMPLE   |
| Test Required      | CPCB PRMAROCOL FOR AMBIENT NOISE MEASUREMENT, MAR-2015 |
| SAMPLING METHOD    | LSOP 6   |

| CHP: WNGON1                                    |                           | NOISE LEVEL IN dB(A) |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | DAY TIME             | NIGHT TIME |
|  |                           | DETECTION LIMIT      | 20         |
| MAR'24   | 11-03-2024                | 67.7                 | 65.4       |
| MAR'24   | 26-03-2024                | 67.5                 | 65.6       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 75                   | 70         |

| COLONY(GHUGUS): WNGON1                         |                           | NOISE LEVEL IN dB(A) |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | DAY TIME             | NIGHT TIME |
|  |                           | DETECTION LIMIT      | 20         |
| MAR'24   | 06-03-2024                | 44.3                 | 43.5       |
| MAR'24   | 29-03-2024                | 45.6                 | 43.4       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 55                   | 45         |



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## ENVIRONMENTAL MONITORING REPORT

# NILJAI DEEP OC

WANI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
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|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/21   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| CIVIL OFFICE- NILJAI   WNOA1                                |            |  |                  |                   |                 |                 |                                   |
|---|------------|--|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|   |            | 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              |                                   |
| 04-03-2024  | 05-03-2024 | 318  | 237              | 64                | 23              | BDL             | CLEAR / CALM                      |
| 18-03-2024  | 19-03-2024 | 302  | 186              | 61                | 21              | BDL             | CLOUDY / MODERATE BREEZE          |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MAREmber 2000 |            | 600  | 300              | -                 | 120             | 120             |                                   |

| WORKSHOP ETP NOCM   WNOA2                                   |            |  |                  |                   |                 |                 |                                   |
|---|------------|--|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|   |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM  | TO         | 5  | 5                | 2                 | 6               | 10              |                                   |
| 04-03-2024  | 05-03-2024 | 341  | 220              | 63                | 23              | BDL             | CLEAR / CALM                      |
| 18-03-2024  | 19-03-2024 | 307  | 192              | 59                | 21              | BDL             | CLOUDY / MODERATE BREEZE          |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH MAREmber 2000 |            | 600  | 300              | -                 | 120             | 120             |                                   |


| NILJAI COLONY   WNOA3      |            |  |                   |                 |                 |                                   |
|----------------------------|------------|--|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                   |
| 02-03-2024                 | 03-03-2024 | 91   | 41                | 15              | BDL             | CLEAR / CALM                      |
| 03-03-2024                 | 04-03-2024 | 84   | 38                | 14              | BDL             | CLEAR / CALM                      |
| 09-03-2024                 | 10-03-2024 | 79   | 33                | 17              | BDL             | CLEAR / LIGHT BREEZE              |
| 10-03-2024                 | 11-03-2024 | 86   | 41                | 16              | BDL             | CLEAR / LIGHT BREEZE              |
| 16-03-2024                 | 17-03-2024 | 79   | 37                | 17              | BDL             | CLEAR / MODERATE BREEZE           |
| 17-03-2024                 | 18-03-2024 | 86   | 33                | 16              | BDL             | CLEAR / LIGHT BREEZE              |
| 23-03-2024                 | 24-03-2024 | 73   | 41                | 14              | BDL             | CLEAR / LIGHT BREEZE              |
| 24-03-2024                 | 25-03-2024 | 79   | 36                | 17              | BDL             | CLEAR / MODERATE BREEZE           |
| 30-03-2024                 | 31-03-2024 | 84   | 33                | 16              | BDL             | CLEAR / MODERATE BREEZE           |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                   |

| TARODA VILLAGE   WNOA4     |            |  |                   |                 |                 |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                      |
| 02-03-2024                 | 03-03-2024 | 89   | 33                | 16              | BDL             | CLEAR / CALM                         |
| 03-03-2024                 | 04-03-2024 | 81   | 36                | 17              | BDL             | CLEAR / CALM                         |
| 09-03-2024                 | 10-03-2024 | 83   | 41                | 18              | BDL             | CLEAR / LIGHT BREEZE                 |
| 10-03-2024                 | 11-03-2024 | 79   | 42                | 16              | BDL             | CLEAR / LIGHT BREEZE                 |
| 16-03-2024                 | 17-03-2024 | 73   | 40                | 17              | BDL             | CLEAR / MODERATE BREEZE              |
| 17-03-2024                 | 18-03-2024 | 81   | 38                | 15              | BDL             | CLEAR / LIGHT BREEZE                 |
| 23-03-2024                 | 24-03-2024 | 79   | 41                | 14              | BDL             | CLEAR / LIGHT BREEZE                 |
| 24-03-2024                 | 25-03-2024 | 82   | 39                | 15              | BDL             | CLEAR / MODERATE BREEZE              |
| 30-03-2024                 | 31-03-2024 | 88   | 36                | 16              | BDL             | CLEAR / MODERATE BREEZE              |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |



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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: WNOW1                       |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                   | 2                | 10            | 4            | 2              |
| 09-03-2024  | 7.53             | 44            | 36           | BDL            |
| 28-03-2024  | 7.11             | 46            | 40           | 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              |
| 09-03-2024  | 7.53             | 50            | 36           | BDL            |
| 28-03-2024  | 7.94             | 52            | 40           | 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            |
| 10-03-2024  | 72               | 11.4         |
| 28-03-2024  | 68               | 10.8         |
| GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS GSR 801E EPA 1993 | 100              | 30           |

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

**NOISE LEVEL MONITORING DATA**

|                    |  |
|--------------------|--|
| SAMPLE DESCRIPTION | NOISE SAMPLE   |
| Test Required      | CPCB PRMAROCOL FOR AMBIENT NOISE MEASUREMENT, MAR-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         |
| MAR'24  | 11-03-2024                | 67.5                 | 64.6       |
| MAR'24  | 26-03-2024                | 69.1                 | 67.4       |
| <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         |
| MAR'23  | 11-03-2024                | 68.4                 | 66.5       |
| MAR'23  | 26-03-2024                | 68.4                 | 66.3       |
| <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         |
| MAR'23  | 11-03-2024                | 45.1                 | 43.3       |
| MAR'23  | 26-03-2024                | 45.3                 | 43.1       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>55</b>            | <b>45</b>  |



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## ENVIRONMENTAL MONITORING REPORT

# PENGANGA OC

WANI AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



MARCH 2024

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

AN ISO 9001:2015 COMPANY

|   |  |                    |            |   |  |
|---|--|--------------------|------------|---|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b> |            |  |  |
| TEST REPORT NO.                                       | RIN/TR/MAR-24/23   | DATE OF ISSUE      | 29-04-2024 |   |  |
| NAME OF CUSTOMER                                      | GM(ENV.), WCL(HQ), NAGPUR  |                    |            |   |  |
| TEST REQUIRED   | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                    |            |   |  |
| SAMPLE DESCRIPTION                                    | AIR SAMPLE   | SAMPLING PLAN :    | LQR 47     |   |  |
| SAMPLING METHOD : LSP0 4                              | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                    |            | 16-03-24 TO 15-04-24  |  |

| MANAGER OFFICE   WPOA1                                      |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|   |            | 5  | 5                | 2                 | 6               | 10              |                                      |
| 09-03-2024  | 10-03-2024 | 342  | 224              | 61                | 24              | BDL             | CLEAR / LIGHT BREEZE                 |
| 17-03-2024  | 18-03-2024 | 321  | 201              | 63                | 21              | BDL             | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |


| NEAR MINE   WPOA2   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|   |            | 5  | 5                | 2                 | 6               | 10              |                                      |
| 09-03-2024  | 10-03-2024 | 312  | 221              | 61                | 22              | BDL             | CLEAR / LIGHT BREEZE                 |
| 17-03-2024  | 18-03-2024 | 296  | 179              | 60                | 20              | BDL             | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECEMBER 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| VIRUR VILLAGE   WPOA3      |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|                            |            | 5  | 2                 | 6               | 10              |                                      |  |
| 02-03-2024                 | 03-03-2024 | 81   | 35                | 17              | BDL             | CLEAR / CALM                         |  |
| 03-03-2024                 | 04-03-2024 | 84   | 37                | 15              | BDL             | CLEAR / CALM                         |  |
| 09-03-2024                 | 10-03-2024 | 78   | 40                | 14              | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 10-03-2024                 | 11-03-2024 | 74   | 33                | 16              | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 16-03-2024                 | 17-03-2024 | 83   | 42                | 17              | BDL             | CLEAR / MODERATE BRREEZE             |  |
| 17-03-2024                 | 18-03-2024 | 79   | 39                | 15              | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 23-03-2024                 | 19-03-2024 | 81   | 36                | 16              | BDL             | CLEAR / MODERATE BRREEZE             |  |
| 24-03-2024                 | 25-03-2024 | 91   | 42                | 17              | BDL             | CLOUDY / CALM                        |  |
| 30-03-2024                 | 31-03-2024 | 88   | 36                | 18              | BDL             | CLEAR / LIGHT BREEZE                 |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

| GADEGAON VILLAGE   WPOA4   |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|                            |            | 5  | 2                 | 6               | 10              |                                      |  |
| 02-03-2024                 | 03-03-2024 | 78   | 37                | 16              | BDL             | CLEAR / CALM                         |  |
| 03-03-2024                 | 04-03-2024 | 81   | 33                | 14              | BDL             | CLEAR / CALM                         |  |
| 09-03-2024                 | 10-03-2024 | 79   | 38                | 15              | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 10-03-2024                 | 11-03-2024 | 84   | 42                | 16              | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 16-03-2024                 | 17-03-2024 | 83   | 38                | 17              | BDL             | CLEAR / MODERATE BRREEZE             |  |
| 17-03-2024                 | 18-03-2024 | 70   | 33                | 16              | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 23-03-2024                 | 19-03-2024 | 81   | 41                | 14              | BDL             | CLEAR / MODERATE BRREEZE             |  |
| 24-03-2024                 | 25-03-2024 | 79   | 32                | 13              | BDL             | CLOUDY / CALM                        |  |
| 30-03-2024                 | 31-03-2024 | 84   | 36                | 15              | BDL             | CLEAR / LIGHT BREEZE                 |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: WPOW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 10-03-2024  | 7.90             | 44            | 28           | BDL            |
| 28-03-2024  | 7.86             | 48            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**

|                    |   |
|--------------------|---|
| SAMPLE DESCRIPTION | NOISE SAMPLE  |
| Test Required      | CPCB PRDEECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015 |
| SAMPLING METHOD    | LSOP 6  |

| <b>NEAR WORKSHOP: WPON1</b>                               |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 06-03-2024                   | 54.7                 | 53.5       |
| MAR'24  | 29-03-2024                   | 55.4                 | 53.3       |
| <b>NOISE POLLUTION (REGULATION AND<br/>CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |



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## ENVIRONMENTAL MONITORING REPORT

# GHONSA OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



MARCH 2024

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|   |  |                    |            |   |  |
|---|--|--------------------|------------|---|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b> |            |  |  |
| TEST REPORT NO.                                       | RIN/TR/MAR-24/23   | DATE OF ISSUE      | 29-04-2024 |   |  |
| NAME OF CUSTOMER                                      | GM(ENV.), WCL(HQ), NAGPUR  |                    |            |   |  |
| TEST REQUIRED   | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                    |            |   |  |
| SAMPLE DESCRIPTION                                    | AIR SAMPLE   | SAMPLING PLAN :    |            | LQR 47  |  |
| SAMPLING METHOD : LSOP 4                              | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                    |            | 16-03-24 TO 15-04-24  |  |

| PROJECT MANAGER OFFICE   WNGOA1                                |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|  |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM   | TO         | 5  | 5                | 2                 | 6               | 10              |                                      |
| 13-03-2024   | 14-03-2024 | 327  | 285              | 47                | 15              | 12              | CLEAR / CALM                         |
| 28-03-2024   | 29-03-2024 | 258  | 166              | 40                | 17              | 13              | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| SAM OFFICE/ CANTEEN   WNKUA2                                   |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|  |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM   | TO         | 5  | 5                | 2                 | 6               | 10              |                                      |
| 13-03-2024   | 14-03-2024 | 335  | 290              | 41                | 16              | 12              | CLEAR / CALM                         |
| 28-03-2024   | 29-03-2024 | 234  | 144              | 36                | 15              | BDL             | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| GHONSA VILLAGE   WNGOA3    |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                      |  |
| 13-03-2024                 | 14-03-2024 | 89   | 26                | 9               | BDL             | CLEAR / CALM                         |  |
| 28-03-2024                 | 29-03-2024 | 72   | 20                | 8               | BDL             | CLEAR / LIGHT BREEZE                 |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

| GUEST HOUSE/ COLONY   WNGOA4 |            |  |                   |                 |                 |                                      |  |
|------------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
|                              |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| FROM                         | TO         | 5  | 2                 | 6               | 10              |                                      |  |
| 13-03-2024                   | 14-03-2024 | 93   | 28                | 8               | BDL             | CLEAR / CALM                         |  |
| 28-03-2024                   | 29-03-2024 | 80   | 21                | 9               | BDL             | CLEAR / LIGHT BREEZE                 |  |
| NAAQS, 2009                  |            | 100  | 60                | 80              | 80              |                                      |  |

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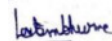
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7182 |
|---|--------------------|--|

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: WNGOW1                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 13-03-2024  | 7.62             | 24            | 32           | BDL            |
| 28-03-2024  | 7.92             | 28            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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


**NOISE LEVEL MONITORING DATA**

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

| <b>MANAGER OFFICE: WNGON1</b>                         |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 13-03-2024                   | 53.6                 | 52.5       |
| MAR'24  | 28-03-2024                   | 54.3                 | 52.5       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| <b>COLONY (GHONSA) WNGON2</b>                         |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 13-03-2024                   | 44.2                 | 43.4       |
| MAR'24  | 28-03-2024                   | 44.6                 | 42.1       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |

  
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## ENVIRONMENTAL MONITORING REPORT

### JUNAD OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



MARCH 2024



Environment Laboratory  
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CMPDI  
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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| <b>Environment Laboratory CMPDI<br/>RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/24   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| SAM OFFICE  WNJOA1   |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>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              |                                      |
| 09-03-2024   | 10-03-2024 | 318  | 283              | 42                | 18              | 14              | CLEAR / CALM                         |
| 24-03-2024   | 25-03-2024 | 235  | 155              | 37                | 16              | 11              | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E), dt.<br>25TH DECEMBER 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| BORGAON VILLAGE  WNJOA2    |            |  |                   |                 |                 |  |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |  |                                      |
| 09-03-2024                 | 10-03-2024 | 91   | 22                | 8               | BDL             |  | CLEAR / CALM                         |
| 24-03-2024                 | 25-03-2024 | 61   | 26                | 9               | BDL             |  | CLEAR / CALM                         |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |  |                                      |


| BHALAR TOWNSHIP  WNUOA3    |            |  |                   |                 |                 |  |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |  |                                      |
| 08-03-2024                 | 09-03-2024 | 87   | 29                | 8               | BDL             |  | CLEAR / LIGHT BREEZE                 |
| 23-03-2024                 | 24-03-2024 | 68   | 22                | 10              | BDL             |  | CLOUDY / CALM                        |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |  |                                      |

| UKNI VILLAGE  WNUOA4       |            |  |                   |                 |                 |  |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |  |                                      |
| 08-03-2024                 | 09-03-2024 | 94   | 27                | 9               | BDL             |  | CLEAR / LIGHT BREEZE                 |
| 23-03-2024                 | 24-03-2024 | 71   | 21                | 8               | 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>                       |  |  |  |
| SAMPLE DESCRIPTION                                | Water sample  |  |  |   |  |
| Test Required                                     | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 4): 1993 (RA 2019) |  |  |   |  |
| SAMPLING METHOD                                   | LSOP 5  | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: |  | 16-03-24 TO 15-04-24  |  |

| MINE WATER DISCHARGE: WNJOW1                         |                  |               |              |                |
|--|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|  | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                      | 2                | 10            | 4            | 2              |
| 09-03-2024   | 7.57             | 30            | 44           | BDL            |
| 17-03-2024   | 7.97             | 28            | 40           | BDL            |
| STANDARDS FOR COAL MINE,<br>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              |
| 09-03-2024   | 7.39             | 38            | 52           | BDL            |
| 17-03-2024   | 7.74             | 30            | 44           | BDL            |
| STANDARDS FOR COAL MINE,<br>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> | <br>TC-7102 |
|---|--------------------|--|

**NOISE LEVEL MONITORING DATA**

|                    |  |
|--------------------|--|
| SAMPLE DESCRIPTION | NOISE SAMPLE   |
| Test Required      | CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-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         |
| MAR'24   | 11-03-2024                | 56.7                 | 54.2       |
| MAR'24   | 26-03-2024                | 56.5                 | 54.1       |
| 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         |
| MAR'24   | 11-03-2024                | 45.3                 | 43.4       |
| MAR'24   | 26-03-2024                | 44.7                 | 43.1       |
| 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. 4094423068



MARCH 2024

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

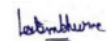
|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/25   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| SUBSTATION KOLARPIMPRI   WNKOA1                                |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 10-03-2024   | 11-03-2024 | 322  | 291              | 49                | 18              | 12              | CLEAR / CALM                         |
| 28-03-2024   | 29-03-2024 | 357  | 264              | 35                | 16              | 11              | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECEMBER 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| REST SHELTER   WNKOA2  |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 10-03-2024   | 11-03-2024 | 318  | 286              | 44                | 20              | 17              | CLEAR / CALM                         |
| 28-03-2024   | 29-03-2024 | 325  | 247              | 42                | 17              | 12              | CLEAR / LIGHT BREEZE                 |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECEMBER 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| PIMPRI VILLAGE   WNKOA3    |            |  |                   |                 |                 |                          |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                          | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                          |                                      |
| 01-03-2024                 | 02-03-2024 | 71   | 20                | 10              | BDL             | CLEAR / CALM             |                                      |
| 07-03-2024                 | 08-03-2024 | 84   | 18                | 8               | BDL             | CLEAR / CALM             |                                      |
| 08-03-2024                 | 09-03-2024 | 92   | 24                | 9               | BDL             | CLEAR / LIGHT BREEZE     |                                      |
| 14-03-2024                 | 15-03-2024 | 89   | 27                | 9               | BDL             | CLEAR / CALM             |                                      |
| 15-03-2024                 | 16-03-2024 | 81   | 22                | 8               | BDL             | CLEAR / CALM             |                                      |
| 21-03-2024                 | 22-03-2024 | 64   | 20                | 8               | BDL             | CLEAR / LIGHT BREEZE     |                                      |
| 22-03-2024                 | 23-03-2024 | 71   | 24                | 9               | BDL             | CLEAR / LIGHT BREEZE     |                                      |
| 28-03-2024                 | 29-03-2024 | 80   | 21                | 8               | BDL             | CLEAR / LIGHT BREEZE     |                                      |
| 29-03-2024                 | 30-03-2024 | 72   | 19                | 10              | BDL             | CLOUDY / MODERATE BREEZE |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                          |                                      |

| WATER FILTER PLANT PRAGATI NAGAR   WNKOA4 |            |  |                   |                 |                 |                          |                                      |
|---|------------|--|-------------------|-----------------|-----------------|--------------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                          | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                                      | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                          |                                      |
| 01-03-2024                                | 02-03-2024 | 83   | 25                | 9               | BDL             | CLEAR / CALM             |                                      |
| 07-03-2024                                | 08-03-2024 | 91   | 21                | 10              | BDL             | CLEAR / CALM             |                                      |
| 08-03-2024                                | 09-03-2024 | 86   | 28                | 10              | BDL             | CLEAR / LIGHT BREEZE     |                                      |
| 14-03-2024                                | 15-03-2024 | 79   | 20                | 9               | BDL             | CLEAR / CALM             |                                      |
| 15-03-2024                                | 16-03-2024 | 75   | 18                | 8               | BDL             | CLEAR / CALM             |                                      |
| 21-03-2024                                | 22-03-2024 | 75   | 23                | 10              | BDL             | CLEAR / LIGHT BREEZE     |                                      |
| 22-03-2024                                | 23-03-2024 | 83   | 27                | 8               | BDL             | CLEAR / LIGHT BREEZE     |                                      |
| 28-03-2024                                | 29-03-2024 | 77   | 26                | 9               | BDL             | CLEAR / LIGHT BREEZE     |                                      |
| 29-03-2024                                | 30-03-2024 | 62   | 21                | 10              | BDL             | CLOUDY / MODERATE BREEZE |                                      |
| NAAQS, 2009                               |            | 100  | 60                | 80              | 80              |                          |                                      |



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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: WNKOW1                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 10-03-2024  | 7.80             | 30            | 44           | BDL            |
| 24-03-2024  | 7.50             | 26            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

*labimhane*

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

**NOISE LEVEL MONITORING DATA**

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

| CHP: WNKON1                                    |                              |                      |            |
|--|------------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|  |                              | DAY TIME             | NIGHT TIME |
|  |                              | DETECTION LIMIT      | 20         |
| MAR'24   | 11-03-2024                   | 68.8                 | 66.5       |
| MAR'24   | 26-03-2024                   | 67.5                 | 65.4       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                              | 75                   | 70         |

| COLONY PRAGATI NAGAR: WNPON2                   |                              |                      |            |
|--|------------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|  |                              | DAY TIME             | NIGHT TIME |
|  |                              | DETECTION LIMIT      | 20         |
| MAR'24   | 11-03-2024                   | 45.2                 | 43.1       |
| MAR'24   | 26-03-2024                   | 45.5                 | 43.4       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                              | 55                   | 45         |



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## ENVIRONMENTAL MONITORING REPORT

### PIMPALGAON OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



MARCH 2024

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

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/27   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| SAM OFFICE   WNPOA1  |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|  |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM   | TO         | 5  | 5                | 2                 | 6               | 10              |                                      |
| 10-03-2024   | 11-03-2024 | 329  | 287              | 40                | 14              | 12              | CLOUDY / LIGHT BREEZE                |
| 27-03-2024   | 28-03-2024 | 266  | 174              | 34                | 13              | BDL             | CLOUDY / LIGHT BREEZE                |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECEMBER 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| WORKSHOP   WNPOA2  |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|  |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| FROM   | TO         | 5  | 5                | 2                 | 6               | 10              |                                      |
| 10-03-2024   | 11-03-2024 | 334  | 292              | 45                | 19              | 15              | CLOUDY / LIGHT BREEZE                |
| 27-03-2024   | 28-03-2024 | 231  | 149              | 37                | 16              | 11              | CLOUDY / LIGHT BREEZE                |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECEMBER 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| WATER FILTER PLANT PRAGATI NAGAR   WNKO4 |            |  |                   |                 |                 |                                      |  |
|--|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING               |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |  |
|  |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| FROM                                     | TO         | 5  | 2                 | 6               | 10              |                                      |  |
| 01-03-2024                               | 02-03-2024 | 83   | 25                | 9               | BDL             | CLEAR / CALM                         |  |
| 07-03-2024                               | 08-03-2024 | 91   | 21                | 10              | BDL             | CLEAR / CALM                         |  |
| 08-03-2024                               | 09-03-2024 | 86   | 28                | 10              | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 14-03-2024                               | 15-03-2024 | 79   | 20                | 9               | BDL             | CLEAR / CALM                         |  |
| 15-03-2024                               | 16-03-2024 | 75   | 18                | 8               | BDL             | CLEAR / CALM                         |  |
| 21-03-2024                               | 22-03-2024 | 75   | 23                | 10              | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 22-03-2024                               | 23-03-2024 | 83   | 27                | 8               | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 28-03-2024                               | 29-03-2024 | 77   | 26                | 9               | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 29-03-2024                               | 30-03-2024 | 62   | 21                | 10              | BDL             | CLOUDY / MODERATE BREEZE             |  |
| 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<br>CONDITIONS (Sky/Wind) |  |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                      |  |
| 09-03-2024                 | 10-03-2024 | 91   | 22                | 8               | BDL             | CLEAR / CALM                         |  |
| 24-03-2024                 | 25-03-2024 | 61   | 26                | 9               | BDL             | CLEAR / CALM                         |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

*lab signature*

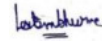
Analysed by



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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: WNPOW1                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 10-03-2024  | 4.6              | 38            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**


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

| CHP: WNPON1                                    |                 |                      |            |
|--|-----------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|  | COLLECTION      | DAY TIME             | NIGHT TIME |
|  | DETECTION LIMIT | 20                   | 20         |
| MAR'24   | 11-03-2024      | 65.3                 | 63.4       |
| MAR'24   | 26-03-2024      | 66.7                 | 64.6       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                 | 75                   | 70         |

| COLONY PRAGATI NAGAR: WNPON2                   |                 |                      |            |
|--|-----------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|  | COLLECTION      | DAY TIME             | NIGHT TIME |
|  | DETECTION LIMIT | 20                   | 20         |
| MAR'24   | 11-03-2024      | 45.2                 | 43.1       |
| MAR'24   | 26-03-2024      | 45.5                 | 43.4       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                 | 55                   | 45         |



Ashwin B Wasnik  
Reviewed by



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



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## ENVIRONMENTAL MONITORING REPORT

### RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068



MARCH 2024

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

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/28   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| NEAR BANDEWADA INCLINE   WNRUA1                             |            |   |                  |                   |                 |                 |                                   |
|---|------------|---|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|   |            | SPM   | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM  | TO         | 5   | 5                | 2                 | 6               | 10              |                                   |
| 14-03-2024  | 15-03-2024 | 324   | 286              | 38                | 18              | 12              | CLEAR / LIGHT BREEZE              |
| 29-03-2024  | 30-03-2024 | 253   | 162              | 33                | 16              | 11              | CLEAR / CALM                      |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000 |            | <b>600</b>  | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                   |

| SAM OFFICE   WNRUA2   |            |   |                  |                   |                 |                 |                                   |
|---|------------|---|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|   |            | SPM   | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM  | TO         | 5   | 5                | 2                 | 6               | 10              |                                   |
| 14-03-2024  | 15-03-2024 | 329   | 296              | 36                | 14              | BDL             | CLEAR / LIGHT BREEZE              |
| 29-03-2024  | 30-03-2024 | 270   | 179              | 32                | 17              | 12              | CLEAR / CALM                      |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000 |            | <b>600</b>  | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                   |


| PIT OFFICE   WNRUA3        |            |   |                   |                 |                 |  |                                   |
|----------------------------|------------|---|-------------------|-----------------|-----------------|--|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                   |                 |                 |  | ENVIRONMENT CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>                                    | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                   |
| FROM                       | TO         | 5   | 2                 | 6               | 10              |  |                                   |
| 14-03-2024                 | 15-03-2024 | 79  | 24                | 9               | BDL             |  | CLEAR / LIGHT BREEZE              |
| 29-03-2024                 | 30-03-2024 | 83  | 20                | 10              | BDL             |  | CLEAR / CALM                      |
| NAAQS, 2009                |            | <b>100</b>  | <b>60</b>         | <b>80</b>       | <b>80</b>       |  |                                   |

| HUTMENT   WNRUA4           |            |   |                   |                 |                 |  |                                   |
|----------------------------|------------|---|-------------------|-----------------|-----------------|--|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                   |                 |                 |  | ENVIRONMENT CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>                                    | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                   |
| FROM                       | TO         | 5   | 2                 | 6               | 10              |  |                                   |
| 14-03-2024                 | 15-03-2024 | 88  | 28                | 9               | BDL             |  | CLEAR / LIGHT BREEZE              |
| 29-03-2024                 | 30-03-2024 | 64  | 24                | 8               | BDL             |  | CLEAR / CALM                      |
| NAAQS, 2009                |            | <b>100</b>  | <b>60</b>         | <b>80</b>       | <b>80</b>       |  |                                   |

*labmehru*

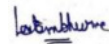
Analysed by



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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: WNRUW1                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 14-03-2024  | 7.65             | 28            | 40           | BDL            |
| 29-03-2024  | 7.79             | 26            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**

|                    |   |
|--------------------|---|
| SAMPLE DESCRIPTION | NOISE SAMPLE  |
| Test Required      | CPCB PRDECOCOL 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 |
|  |                           |                      | 20         |
| MAR'24   | 13-03-2024                | 62.3                 | 61.4       |
| MAR'24   | 28-03-2024                | 67.3                 | 65.4       |
| 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 |
|  |                           |                      | 20         |
| MAR'24   | 13-03-2024                | 43.5                 | 42.4       |
| MAR'24   | 28-03-2024                | 44.3                 | 42.2       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 55                   | 45         |



Ashwin B Wasnik  
Reviewed by



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## ENVIRONMENTAL MONITORING REPORT

# WANI RAILWAY SIDING

WANI NORTH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



MARCH 2024

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

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/30   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| NEAR RAILWAY SIDING   WNRSA1 |            |  |                  |                   |                 |                 |                                      |
|------------------------------|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                         | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|                              |            | 5  | 5                | 2                 | 6               | 10              |                                      |
| 01-03-2024                   | 02-03-2024 | 159  | 135              | 23                | 12              | BDL             | CLEAR / CALM                         |
| 07-03-2024                   | 08-03-2024 | 178  | 155              | 28                | 13              | BDL             | CLEAR / CALM                         |
| 08-03-2024                   | 09-03-2024 | 190  | 162              | 26                | 11              | BDL             | CLEAR / LIGHT BREEZE                 |
| 14-03-2024                   | 15-03-2024 | 184  | 147              | 30                | 12              | BDL             | CLEAR / CALM                         |
| 15-03-2024                   | 16-03-2024 | 180  | 144              | 28                | 13              | BDL             | CLEAR / CALM                         |
| 21-03-2024                   | 22-03-2024 | 142  | 122              | 28                | 10              | BDL             | CLEAR / LIGHT BREEZE                 |
| 22-03-2024                   | 23-03-2024 | 168  | 142              | 30                | 11              | BDL             | CLEAR / LIGHT BREEZE                 |
| 28-03-2024                   | 29-03-2024 | 174  | 139              | 27                | 9               | BDL             | CLEAR / LIGHT BREEZE                 |
| 29-03-2024                   | 30-03-2024 | 157  | 125              | 24                | 10              | BDL             | CLOUDY / MODERATE BREEZE             |
| 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<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|                            |            | 5  | 2                 | 6               | 10              |                                      |  |
| 01-03-2024                 | 02-03-2024 | 88   | 20                | 8               | BDL             | CLEAR / CALM                         |  |
| 07-03-2024                 | 08-03-2024 | 81   | 26                | 10              | BDL             | CLEAR / CALM                         |  |
| 08-03-2024                 | 09-03-2024 | 94   | 24                | 9               | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 14-03-2024                 | 15-03-2024 | 96   | 28                | 10              | BDL             | CLEAR / CALM                         |  |
| 15-03-2024                 | 16-03-2024 | 83   | 21                | 10              | BDL             | CLEAR / CALM                         |  |
| 21-03-2024                 | 22-03-2024 | 73   | 23                | 9               | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 22-03-2024                 | 23-03-2024 | 75   | 27                | 9               | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 28-03-2024                 | 29-03-2024 | 77   | 23                | 8               | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 29-03-2024                 | 30-03-2024 | 81   | 19                | 9               | BDL             | CLOUDY / MODERATE BREEZE             |  |
| 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<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|                            |            | 5  | 2                 | 6               | 10              |                                      |  |
| 01-03-2024                 | 02-03-2024 | 94   | 24                | 9               | BDL             | CLEAR / CALM                         |  |
| 07-03-2024                 | 08-03-2024 | 89   | 22                | 10              | BDL             | CLEAR / CALM                         |  |
| 08-03-2024                 | 09-03-2024 | 87   | 26                | 8               | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 14-03-2024                 | 15-03-2024 | 79   | 18                | 10              | BDL             | CLEAR / CALM                         |  |
| 15-03-2024                 | 16-03-2024 | 81   | 20                | 8               | BDL             | CLEAR / CALM                         |  |
| 21-03-2024                 | 22-03-2024 | 82   | 19                | 10              | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 22-03-2024                 | 23-03-2024 | 74   | 22                | 10              | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 28-03-2024                 | 29-03-2024 | 80   | 25                | 9               | BDL             | CLEAR / LIGHT BREEZE                 |  |
| 29-03-2024                 | 30-03-2024 | 86   | 18                | 8               | BDL             | CLOUDY / MODERATE BREEZE             |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |



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

**NOISE LEVEL MONITORING DATA**

|                    |   |
|--------------------|---|
| SAMPLE DESCRIPTION | NOISE SAMPLE  |
| Test Required      | CPCB PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DECUST-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>  |
| MAR'24  | 11-03-2024                | 44.6                 | 42.4       |
| MAR'24  | 26-03-2024                | 45.5                 | 43.4       |
| <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>  |
| MAR'24  | 11-03-2024                | 57.4                 | 55.2       |
| MAR'24  | 26-03-2024                | 64.2                 | 60.3       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |



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## ENVIRONMENTAL MONITORING REPORT

### UKNI DEEP OC

WANI NORTH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
CMPDI  
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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|   |  |                    |                      |   |  |
|---|--|--------------------|----------------------|---|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b> |                      |  |  |
| TEST REPORT NO.                                       | RIN/TR/MAR-24/29   | DATE OF ISSUE      | 29-04-2024           |   |  |
| NAME OF CUSTOMER                                      | GM(ENV.), WCL(HQ), NAGPUR  |                    |                      |   |  |
| TEST REQUIRED   | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                    |                      |   |  |
| SAMPLE DESCRIPTION                                    | AIR SAMPLE   | SAMPLING PLAN :    |                      | LQR 47  |  |
| SAMPLING METHOD : LSOP 4                              | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                    | 16-03-24 TO 15-04-24 |   |  |

| WORKSHOP PREMISES   WNUOA1                                  |            |   |                  |                   |                 |                 |                                   |
|---|------------|---|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|   |            | SPM   | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM  | TO         | 5   | 5                | 2                 | 6               | 10              |                                   |
| 08-03-2024  | 09-03-2024 | 310   | 276              | 39                | 16              | 11              | CLEAR / LIGHT BREEZE              |
| 23-03-2024  | 24-03-2024 | 240   | 168              | 30                | 14              | 10              | CLEAR / LIGHT BREEZE              |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000 |            | 600   | 300              | -                 | 120             | 120             |                                   |


| BHALAR TOWNSHIP   WNUOA2   |            |   |                   |                 |                 |                                   |
|----------------------------|------------|---|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>                                    | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM                       | TO         | 5   | 2                 | 6               | 10              |                                   |
| 08-03-2024                 | 09-03-2024 | 87  | 29                | 8               | BDL             | CLEAR / LIGHT BREEZE              |
| 23-03-2024                 | 24-03-2024 | 68  | 22                | 10              | BDL             | CLEAR / LIGHT BREEZE              |
| NAAQS, 2009                |            | 100   | 60                | 80              | 80              |                                   |

| UKNI VILLAGE   WNUOA3      |            |   |                   |                 |                 |                                   |
|----------------------------|------------|---|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>                                    | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM                       | TO         | 5   | 2                 | 6               | 10              |                                   |
| 08-03-2024                 | 09-03-2024 | 94  | 27                | 9               | BDL             | CLEAR / LIGHT BREEZE              |
| 23-03-2024                 | 24-03-2024 | 71  | 21                | 8               | BDL             | CLEAR / LIGHT BREEZE              |
| NAAQS, 2009                |            | 100   | 60                | 80              | 80              |                                   |

| PIMPRI VILLAGE   WNKOA3    |            |   |                   |                 |                 |                                   |
|----------------------------|------------|---|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|                            |            | PM <sub>10</sub>                                    | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM                       | TO         | 5   | 2                 | 6               | 10              |                                   |
| 01-03-2024                 | 02-03-2024 | 71  | 20                | 10              | BDL             | CLEAR / CALM                      |
| 07-03-2024                 | 08-03-2024 | 84  | 18                | 8               | BDL             | CLEAR / CALM                      |
| 08-03-2024                 | 09-03-2024 | 92  | 24                | 9               | BDL             | CLEAR / LIGHT BREEZE              |
| 14-03-2024                 | 15-03-2024 | 89  | 27                | 9               | BDL             | CLEAR / CALM                      |
| 15-03-2024                 | 16-03-2024 | 81  | 22                | 8               | BDL             | CLEAR / CALM                      |
| 21-03-2024                 | 22-03-2024 | 64  | 20                | 8               | BDL             | CLEAR / LIGHT BREEZE              |
| 22-03-2024                 | 23-03-2024 | 71  | 24                | 9               | BDL             | CLEAR / LIGHT BREEZE              |
| 28-03-2024                 | 29-03-2024 | 80  | 21                | 8               | BDL             | CLEAR / LIGHT BREEZE              |
| 29-03-2024                 | 30-03-2024 | 72  | 19                | 10              | BDL             | CLOUDY / MODERATE BREEZE          |
| NAAQS, 2009                |            | 100   | 60                | 80              | 80              |                                   |

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|   |  |  |  |   |  |
|---|--|--|--|---|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b>                       |  |  |  |
| SAMPLE DESCRIPTION                                    | Water sample   |  |  |   |  |
| Test Required   | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |  |   |  |
| SAMPLING METHOD                                       | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: |  | 16-03-24 TO 15-04-24  |  |

| MINE WATER DISCHARGE: WNUOW1                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 08-03-2024  | 7.12             | 24            | 32           | BDL            |
| 24-03-2024  | 7.28             | 28            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP DISCHARGE: WNUOW2                                   |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 08-03-2024  | 7.58             | 28            | 32           | BDL            |
| 24-03-2024  | 7.82             | 32            | 44           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| STP DISCHARGE: WNUOW3  |                  |              |
|--|------------------|--------------|
| DATE OF SAMPLE<br>COLLECTION   | ANALYSIS RESULTS |              |
|  | TSS (in mg/l)    | BOD(in mg/l) |
| DETECTION LIMIT  | 10               | 2            |
| 08-03-2024   | 46               | 14           |
| 24-03-2024   | 50               | 16           |
| GENERAL STANDARDS FOR<br>DISCHARGE OF<br>ENVIRONMENT POLLUTANTS<br>GSR 801E EPA 1993 | 100              | 30           |

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|---|--------------------|---|

**NOISE LEVEL MONITORING DATA**

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

| CHP: WNUON1   |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   |                              | DETECTION LIMIT      | 20         |
| MAR'24  | 11-03-2024                   | 67.4                 | 65.3       |
| MAR'24  | 26-03-2024                   | 68.4                 | 66.3       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| BHALAR COLONY: WNUON2                                 |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   |                              | DETECTION LIMIT      | 20         |
| MAR'24  | 11-03-2024                   | 45.3                 | 43.4       |
| MAR'24  | 26-03-2024                   | 44.7                 | 43.1       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                              | <b>55</b>            | <b>45</b>  |



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## ENVIRONMENTAL MONITORING REPORT

### AMBARA OC

KANHAN AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067




MARCH 2024

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/67   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| MANAGER OFFICE KAOA1  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 11-03-2024  | 12-03-2024 | 244  | 138              | 36                | 12              | 10              | Clear sky / Calm                     |
| 29-03-2024  | 30-03-2024 | 258  | 146              | 46                | 13              | 11              | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 11-03-2024  | 12-03-2024 | 252  | 150              | 48                | 13              | 11              | Clear sky / Calm                     |
| 29-03-2024  | 30-03-2024 | 246  | 148              | 44                | 12              | 10              | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                  |                                      |
| 14-03-2024                 | 15-03-2024 | 76   | 28                | 7               | BDL             | Clear sky / Calm |                                      |
| 28-03-2024                 | 29-03-2024 | 72   | 24                | 6               | BDL             | Clear sky / Calm |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                  |                                      |

| AMBARA VILLAGE KMUA4       |            |  |                   |                 |                 |                  |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                  | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                  |                                      |
| 14-03-2024                 | 15-03-2024 | 80   | 28                | 7               | BDL             | Clear sky / Calm |                                      |
| 28-03-2024                 | 29-03-2024 | 74   | 26                | 6               | BDL             | Clear sky / Calm |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                  |                                      |

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

**NOISE LEVEL MONITORING DATA**

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

| <b>MANAGER OFFICE: KAON1</b>                              |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 05-03-2024                   | 46.6                 | 44.3       |
| MAR'24  | 24-03-2024                   | 45.7                 | 43.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| <b>COLONY(MOHAN/MAORI): KMUN2</b>                         |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 05-03-2024                   | 44.3                 | 42.9       |
| MAR'24  | 24-03-2024                   | 44.7                 | 43.1       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>RULES</b> |                              | <b>55</b>            | <b>45</b>  |



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## ENVIRONMENTAL MONITORING REPORT

### AREA WORKSHOP

KANHAN AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
CMPDI  
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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| <b>Environment Laboratory CMPDI<br/>RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/69   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| AREA WORKSHOP   KAWA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 07-03-2024  | 08-03-2024 | 268  | 158              | 48                | 14              | 12              | Clear sky / Calm                     |
| 28-03-2024  | 29-03-2024 | 257  | 155              | 44                | 13              | 11              | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

*J. Shetye*

Analysed by

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

**NOISE LEVEL MONITORING DATA**

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

| WORK SHOP PREMISES:                                   |                           | KAWN1                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24  | 05-03-2024                | 51.4                 | 50.2       |
| MAR'24  | 24-03-2024                | 52.1                 | 51.1       |
| <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. 4094423067



MARCH 2024

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

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|   |  |                    |            |  |  |
|---|--|--------------------|------------|--|--|
| <b>Environment Laboratory CMPDI<br/>RI-IV, NAGPUR</b> |  | <b>Test Report</b> |            | <br>TC-7102 |  |
| TEST REPORT NO.                                       | RIN/TR/MAR-24/70   | DATE OF ISSUE      | 29-04-2024 |  |  |
| NAME OF CUSTOMER                                      | GM(ENV.), WCL(HQ), NAGPUR  |                    |            |  |  |
| TEST REQUIRED   | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                    |            |  |  |
| SAMPLE DESCRIPTION                                    | AIR SAMPLE   | SAMPLING PLAN :    |            | LQR 47   |  |
| SAMPLING METHOD : LSOP 4                              | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                    |            | 16-03-24 TO 15-04-24   |  |

| MANAGER OFFICE-OC   KGOA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 08-03-2024  | 09-03-2024 | 252  | 148              | 44                | 13              | 11              | Clear sky / Calm                     |
| 28-03-2024  | 29-03-2024 | 265  | 154              | 48                | 14              | 12              | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 08-03-2024  | 09-03-2024 | 244  | 142              | 39                | 12              | 11              | Clear sky / Calm                     |
| 25-03-2024  | 26-03-2024 | 238  | 136              | 34                | 11              | 10              | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
| FROM                                | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                  |                                      |
| 08-03-2024                          | 09-03-2024 | 74   | 24                | 7               | BDL             | Clear sky / Calm |                                      |
| 25-03-2024                          | 26-03-2024 | 72   | 22                | 6               | BDL             | Clear sky / Calm |                                      |
| NAAQS, 2009                         |            | 100  | 60                | 80              | 80              |                  |                                      |

| PANARA VILLAGE   KJUA4     |            |  |                   |                 |                 |                  |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                  | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                  |                                      |
| 09-03-2024                 | 10-03-2024 | 76   | 26                | 7               | BDL             | Clear sky / Calm |                                      |
| 25-03-2024                 | 26-03-2024 | 78   | 27                | 6               | BDL             | Clear sky / Calm |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                  |                                      |

*J. Shrivastava*  
Analysed by






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

|                    |  |   |                      |
|--------------------|--|---|----------------------|
| SAMPLE DESCRIPTION | Water sample   |   |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |   |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: KGOW                              |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 08-03-2024  | 7.88             | 28            | 40           | BDL            |
| 28-03-2024  | 7.83             | 26            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

*J. Shan*

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

**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) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24  | 05-03-2024                | 44.9                 | 43.1       |
| MAR'24  | 24-03-2024                | 44.1                 | 43.4       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| COLONY(JHARNA):                                       |                           | KGON2                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24  | 05-03-2024                | 43.3                 | 42.3       |
| MAR'24  | 24-03-2024                | 43.6                 | 42.3       |
| <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. 4094423067



MARCH 2024

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/71   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| MANAGER OFFICE- JHARNA UG   KJUA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 08-03-2024  | 09-03-2024 | 265  | 155              | 48                | 13              | 11              | Clear sky / Calm                     |
| 25-03-2024  | 26-03-2024 | 258  | 148              | 42                | 12              | 10              | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(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              |                                      |
| 08-03-2024  | 09-03-2024 | 244  | 142              | 39                | 12              | 11              | Clear sky / Calm                     |
| 25-03-2024  | 26-03-2024 | 238  | 136              | 34                | 11              | 10              | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |  |
|                                     |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| FROM                                | TO         | 5  | 2                 | 6               | 10              |                                      |  |
| 08-03-2024                          | 09-03-2024 | 74   | 24                | 7               | BDL             | Clear sky / Calm                     |  |
| 25-03-2024                          | 26-03-2024 | 72   | 22                | 6               | BDL             | Clear sky / Calm                     |  |
| NAAQS, 2009                         |            | 100  | 60                | 80              | 80              |                                      |  |

| PANARA VILLAGE   KJUA4     |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                      |  |
| 09-03-2024                 | 10-03-2024 | 76   | 26                | 7               | BDL             | Clear sky / Calm                     |  |
| 25-03-2024                 | 26-03-2024 | 78   | 27                | 6               | BDL             | Clear sky / Calm                     |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

*J. Choug*

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

**NOISE LEVEL MONITORING DATA**

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

| FAN HOUSE: KJUN1                                      |                           | NOISE LEVEL IN dB(A) |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | DAY TIME             | NIGHT TIME |
|   |                           | DETECTION LIMIT      | 20         |
| MAR'24  | 05-03-2024                | 44.2                 | 42.7       |
| MAR'24  | 24-03-2024                | 43.9                 | 42.1       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| COLONY: KJUN1   |                           | NOISE LEVEL IN dB(A) |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | DAY TIME             | NIGHT TIME |
|   |                           | DETECTION LIMIT      | 20         |
| MAR'24  | 05-03-2024                | 43.3                 | 42.3       |
| MAR'24  | 24-03-2024                | 43.6                 | 42.3       |
| <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. 4094423067



MARCH 2024

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/72   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 10-03-2024  | 11-03-2024 | 265  | 158              | 54                | 13              | 11              | Clear sky / Calm                     |
| 29-03-2024  | 30-03-2024 | 255  | 143              | 42                | 12              | 10              | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 11-03-2024  | 12-03-2024 | 244  | 138              | 36                | 12              | 10              | Clear sky / Calm                     |
| 29-03-2024  | 30-03-2024 | 258  | 146              | 46                | 13              | 11              | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>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<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 14-03-2024                 | 15-03-2024 | 76   | 28                | 7               | BDL             | Clear sky / Calm                     |
| 28-02-2024                 | 29-02-2024 | 72   | 24                | 6               | BDL             | Clear sky / Calm                     |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 14-03-2024                 | 15-03-2024 | 80   | 28                | 7               | BDL             | Clear sky / Calm                     |
| 28-03-2024                 | 29-03-2024 | 74   | 26                | 6               | BDL             | Clear sky / Calm                     |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |

*J. Shrivastava*

Analysed by





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

**NOISE LEVEL MONITORING DATA**

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

| FAN HOUSE:  |                           | KMUN1                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24  | 05-03-2024                | 69.1                 | 68.2       |
| MAR'24  | 24-03-2024                | 68.8                 | 67.1       |
| <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 |
| MAR'24  | 05-03-2024                | 44.3                 | 42.9       |
| MAR'24  | 24-03-2024                | 44.7                 | 43.1       |
| <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. 4094423067



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
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|   |                    |  |
|---|--------------------|--|
| <b>Environment Laboratory CMPDI<br/>RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/73   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| SAM OFFICE- NANDAN I UG   KNUA1   |            |   |                  |                   |                 |                 |                                      |
|---|------------|---|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM   | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 09-03-2024  | 10-03-2024 | 248   | 140              | 38                | 13              | 11              | Clear sky / Calm                     |
| 18-03-2024  | 19-03-2024 | 235   | 136              | 32                | 12              | 10              | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>  | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |


| PIT OFFICE NANADAN II UG   KNUA2  |            |   |                  |                   |                 |                 |                                      |
|---|------------|---|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM   | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 08-03-2024  | 09-03-2024 | 242   | 141              | 40                | 12              | 11              | Clear sky / Calm                     |
| 18-03-2024  | 19-03-2024 | 239   | 138              | 36                | 11              | 10              | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | <b>600</b>  | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

| HEALTH CENTER-NANADAN UG   KNUA3 |            |   |                   |                 |                 |                                      |  |
|----------------------------------|------------|---|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING       |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                             | TO         | PM <sub>10</sub>                                    | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 09-03-2024                       | 10-03-2024 | 76  | 26                | 6               | BDL             | Clear sky / Calm                     |  |
| 18-03-2024                       | 19-03-2024 | 78  | 28                | 7               | BDL             | Clear sky / Calm                     |  |
| NAAQS, 2009                      |            | <b>100</b>  | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |  |

| NANDAN WATER FILTER PLANT   KNUA4 |            |   |                   |                 |                 |                                      |  |
|-----------------------------------|------------|---|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING        |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                              | TO         | PM <sub>10</sub>                                    | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 09-03-2024                        | 10-03-2024 | 74  | 24                | 7               | BDL             | Clear sky / Calm                     |  |
| 18-03-2024                        | 19-03-2024 | 72  | 22                | 6               | BDL             | Clear sky / Calm                     |  |
| NAAQS, 2009                       |            | <b>100</b>  | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |  |

*J. Choug*

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

|                    |  |   |                      |
|--------------------|--|---|----------------------|
| SAMPLE DESCRIPTION | Water sample   |   |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |   |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: KNUW1                       |           | ANALYSIS RESULTS |              |                |  |
|---|-----------|------------------|--------------|----------------|--|
| DATE OF SAMPLE COLLECTION                         | pH        | TSS (in mg/l)    | COD(in mg/l) | O & G(in mg/l) |  |
| DETECTION LIMIT                                   | 2         | 10               | 4            | 2              |  |
| 09-03-2024  | 7.78      | 18               | 28           | BDL            |  |
| 19-03-2024  | 7.52      | 22               | 32           | BDL            |  |
| STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000 | 5.5 - 9.0 | 100              | 250          | 10             |  |

*J. Sheng*

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

**NOISE LEVEL MONITORING DATA**

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

| FAN HOUSE UG II: KNUN1                                |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 05-03-2024      | 68.3                 | 67.1       |
| MAR'24  | 24-03-2024      | 69.1                 | 67.9       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>75</b>            | <b>70</b>  |

| COLONY: KNUN2   |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 05-03-2024      | 43.1                 | 42.3       |
| MAR'24  | 24-03-2024      | 44.3                 | 43.2       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>55</b>            | <b>45</b>  |



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## ENVIRONMENTAL MONITORING REPORT

# SHARDA UG

KANHAN AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
CMPDI  
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JARIPATKA, NAGPUR, PIN – 440 014

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/74a  | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| INCLINE SHARDA   KSUA1  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 09-03-2024  | 10-03-2024 | 248  | 142              | 38                | 13              | 11              | Clear sky / Calm                     |
| 29-03-2024  | 30-03-2024 | 252  | 148              | 44                | 14              | 12              | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| UMARIA FADALI VILLAGE   KSUA2   |            |  |                   |                 |                 |     |                                      |
|---|------------|--|-------------------|-----------------|-----------------|-----|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |     | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |     |                                      |
| 10-03-2024  | 11-03-2024 | 76   | 26                | 6               | BDL             | BDL | Clear sky / Calm                     |
| 29-03-2024  | 30-03-2024 | 74   | 24                | 7               | BDL             | BDL | Clear sky / Calm                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 100  | 60                | 80              | 80              | 80  |                                      |


| TATARWADA VILLAGE   KSUA3  |            |  |                   |                 |                 |     |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|-----|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |     | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |     |                                      |
| 10-03-2024                 | 11-03-2024 | 80   | 28                | 8               | BDL             | BDL | Clear sky / Calm                     |
| 29-03-2024                 | 30-03-2024 | 78   | 26                | 7               | BDL             | BDL | Clear sky / Calm                     |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              | 80  |                                      |

| JAMUNBADA DARBAR VILLAGE   KSUA4 |            |  |                   |                 |                 |     |                                      |
|----------------------------------|------------|--|-------------------|-----------------|-----------------|-----|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING       |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |     | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                             | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |     |                                      |
| 10-03-2024                       | 11-03-2024 | 76   | 24                | 7               | BDL             | BDL | Clear sky / Calm                     |
| 29-03-2024                       | 30-03-2024 | 72   | 22                | 6               | BDL             | BDL | Clear sky / Calm                     |
| NAAQS, 2009                      |            | 100  | 60                | 80              | 80              | 80  |                                      |

*J. Singh*  
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|   |   |  |  |  |
|---|---|--|--|--|
| <b>Environment Laboratory CMPDI<br/>RI-IV, NAGPUR</b> |   | <b>Test Report</b>   |  | <br>TC-7102 |
| SAMPLE DESCRIPTION                                    | Water sample  |  |  |  |
| Test Required   | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: |  |  |  |
| SAMPLING METHOD                                       | LSOP 5  | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : 16-03-24 TO 15-04-24 |  |  |

| MINE WATER DISCHARGE: KSUW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 10-03-2024  | 8.22             | 26            | 36           | BDL            |
| 29-03-2024  | 7.63             | 22            | 32           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

*J. Shrivastava*  
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|---|--------------------|--|
| <b>Environment Laboratory CMPDI<br/>RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

**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                                       |                 | KSUN1                |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 05-03-2024      | 51.2                 | 50.1       |
| MAR'24  | 24-03-2024      | 50.4                 | 49.2       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>75</b>            | <b>70</b>  |

| UMARIA FADALI VILLAGE                                 |                 | KSUN2                |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 05-03-2024      | 43.1                 | 42.3       |
| MAR'24  | 24-03-2024      | 43.4                 | 42.6       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>55</b>            | <b>45</b>  |

| TATARWADA VILLAGE                                     |                 | KSUN3                |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 05-03-2024      | 42.8                 | 41.2       |
| MAR'24  | 24-03-2024      | 43.1                 | 42.2       |
| <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. 4094423067



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
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| <b>Environment Laboratory CMPDI<br/>RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/74   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| WORKSHOP  KTUA1  |            |  |                  |                   |                 |                 |                                   |
|--|------------|--|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|  |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM   | TO         | 5  | 5                | 2                 | 6               | 10              |                                   |
| 07-03-2024   | 08-03-2024 | 235  | 132              | 35                | 12              | 10              | Clear sky / Calm                  |
| 17-03-2024   | 18-03-2024 | 241  | 142              | 38                | 13              | 11              | Clear sky / Calm                  |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                   |

| LAMP ROOM  KTUA2   |            |  |                  |                   |                 |                 |                                   |
|--|------------|--|------------------|-------------------|-----------------|-----------------|-----------------------------------|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |
|  |            | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |
| FROM   | TO         | 5  | 5                | 2                 | 6               | 10              |                                   |
| 07-03-2024   | 08-03-2024 | 228  | 132              | 32                | 11              | 10              | Clear sky / Calm                  |
| 17-03-2024   | 18-03-2024 | 245  | 145              | 42                | 12              | 11              | Clear sky / Calm                  |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                   |

| COLONY NEAR HEALTH CENTER  KTUA3 |            |  |                   |                 |                 |                                   |  |
|----------------------------------|------------|--|-------------------|-----------------|-----------------|-----------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING       |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |  |
|                                  |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |  |
| FROM                             | TO         | 5  | 2                 | 6               | 10              |                                   |  |
| 07-03-2024                       | 08-03-2024 | 78   | 28                | 8               | BDL             | Clear sky / Calm                  |  |
| 17-03-2024                       | 18-03-2024 | 76   | 26                | 7               | BDL             | Clear sky / Calm                  |  |
| NAAQS, 2009                      |            | 100  | 60                | 80              | 80              |                                   |  |

| JET HOSTEL  KTUA4          |            |  |                   |                 |                 |                                   |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|-----------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS (Sky/Wind) |  |
|                            |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                   |  |
| FROM                       | TO         | 5  | 2                 | 6               | 10              |                                   |  |
| 07-03-2024                 | 08-03-2024 | 74   | 24                | 7               | BDL             | Clear sky / Calm                  |  |
| 17-03-2024                 | 18-03-2024 | 72   | 22                | 6               | BDL             | Clear sky / Calm                  |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                   |  |

*J. Shy*

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

|                    |  |   |                      |
|--------------------|--|---|----------------------|
| SAMPLE DESCRIPTION | Water sample   |   |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |   |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES : | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: KTUW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 07-03-2024  | 8.05             | 28            | 40           | BDL            |
| 18-03-2024  | 7.92             | 26            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

*J. Gan*

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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  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 05-03-2024      | 69.2                 | 68.1       |
| MAR'24  | 24-03-2024      | 68.4                 | 67.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>75</b>            | <b>70</b>  |

| COLONY(TANDSI):                                       |                 | KTUN2                |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 05-03-2024      | 44.2                 | 42.9       |
| MAR'24  | 24-03-2024      | 42.2                 | 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

# CHATTARPUR I & II UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



MARCH 2024

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

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

|                          |  |                      |            |
|--------------------------|--|----------------------|------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/75   | DATE OF ISSUE        | 29-04-2024 |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                      |            |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                      |            |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN :      | LQR 47     |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   | 16-03-24 TO 15-04-24 |            |

| SUBSTATION- CHATTARPUR I UG   PKCUA1                        |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
|   |            | 5  | 5                | 2                 | 6               | 10              |                                      |
| 03-03-2024  | 04-03-2024 | 323  | 206              | 62                | 22              | BDL             | CLEAR / CALM                         |
| 21-03-2024  | 22-03-2024 | 297  | 199              | 59                | 21              | BDL             | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| SAM OFFICE   PKCUA2   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 02-03-2024  | 03-03-2024 | 342  | 227              | 63                | 23              | BDL             | CLEAR / CALM                         |
| 21-03-2024  | 22-03-2024 | 308  | 197              | 61                | 21              | BDL             | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 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<br>(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              |                                      |
| 02-03-2024  | 03-03-2024 | 324  | 208              | 62                | 22              | BDL             | CLEAR / CALM                         |
| 21-03-2024  | 22-03-2024 | 294  | 189              | 58                | 21              | BDL             | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 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<br>(Sky/Wind) |
| FROM                        | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |              |                                      |
|                             |            | 5  | 2                 | 6               | 10              |              |                                      |
| 03-03-2024                  | 04-03-2024 | 93   | 36                | 17              | BDL             | CLEAR / CALM |                                      |
| 21-03-2024                  | 22-03-2024 | 84   | 33                | 16              | BDL             | CLEAR / CALM |                                      |
| NAAQS, 2009                 |            | 100  | 60                | 80              | 80              |              |                                      |



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


|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| <b>MINE WATER DISCHARGE-I UG: PKCUW1</b>                |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 02-03-2024  | 8.48             | 42            | 36           | BDL            |
| 24-03-2024  | 8.29             | 52            | 44           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| <b>MINE WATER DISCHARGE II UG: PKCUW2</b>               |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 02-03-2024  | 8.20             | 40            | 36           | BDL            |
| 24-03-2024  | 8.21             | 48            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**

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

| FAN HOUSE-I UG:                                       |                           | PKCUN1               |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 03-03-2024                | 68.8                 | 67.1       |
| MAR'24  | 17-03-2024                | 69.1                 | 67.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| FAN HOUSE-II UG:                                      |                           | PKCUN2               |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 03-03-2024                | 69.1                 | 67.9       |
| MAR'24  | 17-03-2024                | 68.7                 | 67.7       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| COLONY:   |                           | PKCUN3               |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT           | 20                   | 20         |
| MAR'24  | 03-03-2024                | 43.7                 | 42.2       |
| MAR'24  | 17-03-2024                | 44.3                 | 42.8       |
| <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

# SARNI UG

PATHAKHERA AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



MARCH 2024

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

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|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b>   |  | <br>TC-7102 |  |
| TEST REPORT NO.                                       |  | RIN/TR/MAR-24/76   |  | DATE OF ISSUE  |  |
| NAME OF CUSTOMER                                      |  | GM(ENV.), WCL(HQ), NAGPUR  |  |  |  |
| TEST REQUIRED   |  | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |  |  |  |
| SAMPLE DESCRIPTION                                    |  | AIR SAMPLE   |  | SAMPLING PLAN :  |  |
| SAMPLING METHOD : LSOP 4                              |  | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |  | LQR 47<br>16-03-24 TO 15-04-24   |  |

| SUBSTATION SARNI UG   PKSUA1                                   |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 04-03-2024   | 05-03-2024 | 311  | 216              | 62                | 21              | BDL             | CLEAR / CALM                         |
| 24-03-2024   | 25-03-2024 | 346  | 233              | 64                | 23              | 11              | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECember 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<br>(Sky/Wind) |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 04-03-2024   | 05-03-2024 | 327  | 216              | 62                | 21              | BDL             | CLEAR / CALM                         |
| 24-03-2024   | 25-03-2024 | 293  | 201              | 59                | 19              | BDL             | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECember 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<br>(Sky/Wind) |
| FROM   | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 03-03-2024   | 04-03-2024 | 93   | 37                | 17              | BDL             | CLEAR / CALM                         |
| 24-03-2024   | 25-03-2024 | 84   | 35                | 15              | BDL             | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECember 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<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 03-03-2024                 | 04-03-2024 | 89   | 37                | 17              | BDL             | CLEAR / CALM                         |
| 24-03-2024                 | 25-03-2024 | 81   | 36                | 16              | BDL             | CLEAR / CALM                         |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |



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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: PKSUW1                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 03-03-2024  | 8.08             | 44            | 32           | BDL            |
| 20-03-2024  | 7.80             | 48            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**

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

| FAN HOUSE:  |                           | PKSUN1               |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
|   |                           | 20                   | 20         |
| MAR'24  | 03-03-2024                | 68.7                 | 67.2       |
| MAR'24  | 17-03-2024                | 67.3                 | 66.6       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |

| COLONY(SARNI):  |                           | PKSUN2               |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
|   |                           | 20                   | 20         |
| MAR'24  | 03-03-2024                | 44.1                 | 43.3       |
| MAR'24  | 17-03-2024                | 43.2                 | 42.2       |
| <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. 4094423067



MARCH 2024

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/77   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 03-03-2024   | 04-03-2024 | 5  | 5                | 2                 | 6               | 10              | CLEAR / CALM                         |
| 22-03-2024   | 23-03-2024 | 297  | 198              | 57                | 21              | BDL             | CLEAR / CALM                         |
| 22-03-2024   | 23-03-2024 | 341  | 216              | 63                | 22              | BDL             | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DEcember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |


| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 02-03-2024   | 03-03-2024 | 5  | 5                | 2                 | 6               | 10              | CLEAR / CALM                         |
| 22-03-2024   | 23-03-2024 | 322  | 206              | 58                | 24              | 11              | CLEAR / CALM                         |
| 22-03-2024   | 23-03-2024 | 307  | 184              | 62                | 22              | 10              | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DEcember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |              | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |              |                                      |
| 04-03-2024                 | 05-03-2024 | 5  | 2                 | 6               | 10              | CLEAR / CALM |                                      |
| 22-03-2024                 | 23-03-2024 | 93   | 38                | 16              | BDL             | CLEAR / CALM |                                      |
| 22-03-2024                 | 23-03-2024 | 82   | 35                | 14              | BDL             | CLEAR / 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<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |              |                                      |
| 02-03-2024                 | 03-03-2024 | 5  | 2                 | 6               | 10              | CLEAR / CALM |                                      |
| 22-03-2024                 | 23-03-2024 | 83   | 34                | 14              | BDL             | CLEAR / CALM |                                      |
| 22-03-2024                 | 23-03-2024 | 91   | 37                | 15              | BDL             | CLEAR / CALM |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |              |                                      |



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

**NOISE LEVEL MONITORING DATA**

|                    |   |
|--------------------|---|
| SAMPLE DESCRIPTION | NOISE SAMPLE  |
| Test Required      | CPCB PRDECCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015 |
| SAMPLING METHOD    | LSOP 6  |

| FAN HOUSE:  |                           | PKSUN1               |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
|   |                           |                      | 20         |
| MAR'24  | 03-03-2024                | 45.1                 | 43.8       |
| MAR'24  | 17-03-2024                | 44.3                 | 43.1       |
| <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 |
|   |                           |                      | 20        |
| MAR'24  | 03-03-2024                | 43.6                 | 42.1      |
| MAR'24  | 17-03-2024                | 44.1                 | 43.4      |
| <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. 4094423067



MARCH 2024

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

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/78   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| MANAGER OFFICE- TAWA II   PKT2UA1                              |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>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              |                                      |
| 04-03-2024   | 05-03-2024 | 327  | 207              | 62                | 23              | 11              | CLEAR / CALM                         |
| 23-03-2024   | 24-03-2024 | 293  | 191              | 58                | 21              | 10              | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| SAM OFFICE   PKTUA1  |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>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              |                                      |
| 04-03-2024   | 05-03-2024 | 338  | 221              | 59                | 23              | 12              | CLEAR / CALM                         |
| 23-03-2024   | 24-03-2024 | 296  | 193              | 63                | 21              | 10              | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |


| MPEB COLONY   PKTUA3       |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|                            |            | 5  | 2                 | 6               | 10              |                                      |  |
| 02-03-2024                 | 03-03-2024 | 87   | 37                | 16              | BDL             | CLEAR / CALM                         |  |
| 23-03-2024                 | 24-03-2024 | 79   | 34                | 15              | BDL             | CLEAR / CALM                         |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

| HIRA PALLA/BHAGAIKHAPA VILLAGE   PKT2UA4 |            |  |                   |                 |                 |                                      |  |
|--|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING               |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |  |
| FROM                                     | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|  |            | 5  | 2                 | 6               | 10              |                                      |  |
| 04-03-2024                               | 05-03-2024 | 93   | 37                | 17              | BDL             | CLEAR / CALM                         |  |
| 23-03-2024                               | 24-03-2024 | 86   | 34                | 16              | BDL             | CLEAR / CALM                         |  |
| NAAQS, 2009                              |            | 100  | 60                | 80              | 80              |                                      |  |



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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: PKTUW1                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 04-03-2024  | 8.00             | 44            | 40           | BDL            |
| 19-03-2024  | 8.24             | 52            | 44           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>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 PRDECOCOL FOR AMBIENT NOISE MEASUREMENT, DEC-2015 |
| SAMPLING METHOD    | LSOP 6   |

| FAN HOUSE:  |                           | PKTUN1               |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24  | 03-03-2024                | 69.4                 | 68.2       |
| MAR'24  | 17-03-2024                | 68.8                 | 67.1       |
| <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. 4094423067



MARCH 2024

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/79   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 04-03-2024   | 05-03-2024 | 338  | 221              | 59                | 23              | 12              | CLEAR / CALM                         |
| 23-03-2024   | 24-03-2024 | 296  | 193              | 63                | 21              | 10              | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECEMBER 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |


| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 04-03-2024   | 05-03-2024 | 327  | 207              | 62                | 23              | 11              | CLEAR / CALM                         |
| 23-03-2024   | 24-03-2024 | 293  | 191              | 58                | 21              | 10              | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH DECEMBER 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 02-03-2024                 | 03-03-2024 | 87   | 37                | 16              | BDL             | CLEAR / CALM                         |
| 23-03-2024                 | 24-03-2024 | 79   | 34                | 15              | BDL             | CLEAR / 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<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 04-03-2024                 | 05-03-2024 | 93   | 37                | 17              | BDL             | CLEAR / CALM                         |
| 23-03-2024                 | 24-03-2024 | 86   | 34                | 16              | BDL             | CLEAR / CALM                         |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |



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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: PKTUW1                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 04-03-2024  | 8.02             | 38            | 32           | BDL            |
| 19-03-2024  | 8.06             | 42            | 28           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



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

**NOISE LEVEL MONITORING DATA**

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

| <b>FAN HOUSE: PKTUN1</b>                              |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 03-03-2024      | 69.2                 | 68.2       |
| MAR'24  | 17-03-2024      | 69.1                 | 68.2       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>75</b>            | <b>70</b>  |

| <b>COLONY(TAWA): PKTUN2</b>                           |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 03-03-2024      | 43.8                 | 42.8       |
| MAR'24  | 17-03-2024      | 43.2                 | 42.4       |
| <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. 4094423067



MARCH 2024

Environment Laboratory  
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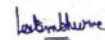
|   |  |                           |            |  |  |
|---|--|---------------------------|------------|--|--|
| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> |  | <b>Test Report</b>        |            | <br>TC-7102 |  |
| TEST REPORT NO.                                       | RIN/TR/MAR-24/54   | DATE OF ISSUE             | 29-04-2024 |  |  |
| NAME OF CUSTOMER                                      |  | GM(ENV.), WCL(HQ), NAGPUR |            |  |  |
| TEST REQUIRED   | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                           |            |  |  |
| SAMPLE DESCRIPTION                                    | AIR SAMPLE   | SAMPLING PLAN :           |            | LQR 47   |  |
| SAMPLING METHOD : LSOP 4                              | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                           |            | 16-03-24 TO 15-04-24   |  |

| MANAGER OFFICE   PBOA1   |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 13-03-2024   | 14-03-2024 | 370  | 284              | 45                | 17              | 14              | CLEAR SKY / CALM                     |
| 28-03-2024   | 29-03-2024 | 344  | 261              | 40                | 15              | 11              | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| SAM OFFICE   PBOA2   |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 12-03-2024   | 13-03-2024 | 353  | 271              | 36                | 14              | 11              | CLEAR SKY / CALM                     |
| 27-03-2024   | 28-03-2024 | 315  | 249              | 41                | 13              | BDL             | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| CHANDAMETA WORKSHOP   PCWA1                                    |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 13-03-2024   | 14-03-2024 | 317  | 248              | 41                | 16              | 10              | CLEAR SKY / CALM                     |
| 28-03-2024   | 29-03-2024 | 301  | 226              | 33                | 14              | BDL             | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| CENTRAL SCHOOL   PBOA4     |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|                            |            | 5  | 2                 | 6               | 10              |                                      |  |
| 13-03-2024                 | 14-03-2024 | 84   | 22                | 9               | BDL             | CLEAR SKY / CALM                     |  |
| 28-03-2024                 | 29-03-2024 | 68   | 27                | 8               | BDL             | CLEAR SKY / CALM                     |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |



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|   |                    |  |
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| <b>Environment Laboratory<br/>CMPDI RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7192 |
|---|--------------------|--|

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| ETP DISCHARGE: PBOW1                                    |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 13-03-2024  | 8.17             | 24            | 32           | BDL            |
| 28-03-2024  | 7.97             | 22            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015 |
| SAMPLING METHOD    | LSOP 6   |

| NEAR BARKUI HOSPITAL: PBON1                       |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 09-03-2024                   | 45.9                 | 43.7       |
| MAR'24  | 22-03-2024                   | 46.5                 | 44.8       |
| NOISE POLLUTION (REGULATION AND CONTROL)<br>RULES |                              | 55                   | 45         |



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## ENVIRONMENTAL MONITORING REPORT

# CHANDAMETA WORKSHOP

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



MARCH 2024

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

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/55   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 13-03-2024   | 14-03-2024 | 317  | 248              | 41                | 16              | 10              | CLEAR SKY / CALM                     |
| 28-03-2024   | 29-03-2024 | 301  | 226              | 33                | 14              | BDL             | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E), dt.<br>25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

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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: | 16-03-24 TO 15-04-24 |

| ETP DISCHARGE: PCWW1                              |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE COLLECTION                         | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT                                   | 2                | 10            | 4            | 2              |
| 13-03-2024  | 8.19             | 28            | 36           | BDL            |
| 28-03-2024  | 8.13             | 24            | 40           | 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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015 |
| SAMPLING METHOD    | LSOP 6   |

| NEAR CHANDAMETA WORKSHOP:                             |                           | PCWN1                |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                           | DAY TIME             | NIGHT TIME |
|   | <b>DETECTION LIMIT</b>    | <b>20</b>            | <b>20</b>  |
| MAR'24  | 09-03-2024                | 46.1                 | 44.9       |
| MAR'24  | 22-03-2024                | 46.5                 | 44.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | <b>75</b>            | <b>70</b>  |



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# ENVIRONMENTAL MONITORING REPORT

## CHINDA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067




MARCH 2024



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|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/56   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| SAM OFFICE   PCOA1   |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 12-03-2024   | 13-03-2024 | 5  | 5                | 2                 | 6               | 10              | CLEAR SKY / CALM                     |
| 27-03-2024   | 28-03-2024 | 368  | 280              | 41                | 16              | 14              | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| CHINDA OC - SITE   PCOA2                                       |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 11-03-2024   | 12-03-2024 | 5  | 5                | 2                 | 6               | 10              | CLEAR SKY / CALM                     |
| 26-03-2024   | 27-03-2024 | 351  | 272              | 44                | 17              | 14              | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| CHINDA VILLAGE   PCOA3     |            |  |                   |                 |                 |  |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
| 12-03-2024                 | 13-03-2024 | 5  | 2                 | 6               | 10              |  | CLEAR SKY / CALM                     |
| 27-03-2024                 | 28-03-2024 | 76   | 26                | 10              | BDL             |  | CLEAR SKY / CALM                     |
| NAAQS, 2009                |            | 63   | 22                | 9               | BDL             |  |                                      |
|                            |            | 100  | 60                | 80              | 80              |  |                                      |

| CHINDA COLONY   PNSOA2     |            |  |                   |                 |                 |  |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |  | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |  |                                      |
| 11-03-2024                 | 12-03-2024 | 5  | 2                 | 6               | 10              |  | CLEAR SKY / CALM                     |
| 26-03-2024                 | 27-03-2024 | 68   | 21                | 9               | BDL             |  | CLEAR SKY / CALM                     |
| NAAQS, 2009                |            | 74   | 25                | 10              | BDL             |  |                                      |
|                            |            | 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: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: PCOW1                                      |                  |               |              |                |
|--|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                                     | ANALYSIS RESULTS |               |              |                |
|  | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| <b>DETECTION LIMIT</b>   | <b>2</b>         | <b>10</b>     | <b>4</b>     | <b>2</b>       |
| 11-03-2024   | 7.76             | 30            | 40           | BDL            |
| 24-03-2024   | 7.93             | 24            | 28           | BDL            |
| <b>STANDARDS FOR COAL<br/>MINE, GSR 742E, dt.<br/>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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015 |
| SAMPLING METHOD    | LSOP 6   |

| NEAR MANAGER OFFICE: PCON1                            |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 09-03-2024      | 46.2                 | 45.4       |
| MAR'24  | 22-03-2024      | 46.4                 | 44.9       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>75</b>            | <b>70</b>  |

| COLONY CHINDA: PCON2                                  |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 09-03-2024      | 45.2                 | 44.5       |
| MAR'24  | 22-03-2024      | 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

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PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



MARCH 2024

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|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/66a  | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 05-03-2024                 | 06-03-2024 | 66   | 22                | 9               | BDL             | CLEAR SKY / CALM                     |
| 20-03-2024                 | 21-03-2024 | 71   | 19                | 8               | BDL             | CLEAR SKY / CALM                     |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 05-03-2024                 | 06-03-2024 | 72   | 27                | 10              | BDL             | CLEAR SKY / CALM                     |
| 20-03-2024                 | 21-03-2024 | 88   | 21                | 9               | BDL             | CLEAR SKY / CALM                     |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 05-03-2024                 | 06-03-2024 | 70   | 20                | 9               | BDL             | CLEAR SKY / CALM                     |
| 20-03-2024                 | 21-03-2024 | 79   | 24                | 10              | BDL             | CLEAR SKY / CALM                     |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 05-03-2024                 | 06-03-2024 | 76   | 19                | 8               | BDL             | CLEAR SKY / CALM                     |
| 20-03-2024                 | 21-03-2024 | 70   | 26                | 9               | BDL             | CLEAR SKY / CALM                     |
| NAAQS, 2009                |            | <b>100</b>   | <b>60</b>         | <b>80</b>       | <b>80</b>       |                                      |

| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 05-03-2024   | 06-03-2024 | 352  | 268              | 35                | 15              | 11              | CLEAR SKY / CALM                     |
| 20-03-2024   | 21-03-2024 | 332  | 244              | 29                | 17              | 14              | CLEAR SKY / CALM                     |
| <b>STANDARDS FOR COAL MINE, GSR 742(E),<br/>dt. 25TH NOVember 2000</b> |            | <b>600</b>   | <b>300</b>       | -                 | <b>120</b>      | <b>120</b>      |                                      |

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

|                           |  |   |                      |
|---------------------------|--|---|----------------------|
| <b>SAMPLE DESCRIPTION</b> | Water sample   |   |                      |
| <b>Test Required</b>      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |   |                      |
| <b>SAMPLING METHOD</b>    | LSOP 5   | <b>PERIOD OF PERFORMANCE OF LAB ACTIVITIES:</b> | 16-03-24 TO 15-04-24 |

| <b>MINE WATER DISCHARGE: PDUW1</b>                       |           | <b>ANALYSIS RESULTS</b> |                     |                           |
|--|-----------|-------------------------|---------------------|---------------------------|
| <b>DATE OF SAMPLE COLLECTION</b>                         | <b>pH</b> | <b>TSS (in mg/l)</b>    | <b>COD(in mg/l)</b> | <b>O &amp; G(in mg/l)</b> |
| <b>DETECTION LIMIT</b>                                   | 2         | 10                      | 4                   | 2                         |
| 05-03-2024   | 8.12      | 26                      | 36                  | BDL                       |
| 20-03-2024   | 7.99      | 30                      | 40                  | BDL                       |
| <b>STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000</b> | 5.5 - 9.0 | 100                     | 250                 | 10                        |

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**NOISE LEVEL MONITORING DATA**

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

| BHUMKADHANA VILLAGE                            |                           | PDUN1                |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|  | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24   | 09-03-2024                | 44.2                 | 42.9       |
| MAR'24   | 22-03-2024                | 44.9                 | 42.2       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 55                   | 45         |

| CHARUN KHAPA VILLAGE                           |                           | PDUN2                |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|  | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24   | 09-03-2024                | 45.6                 | 44.1       |
| MAR'24   | 22-03-2024                | 45.6                 | 44.5       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 55                   | 45         |

| BANKI VILLAGE                                  |                           | PDUN3                |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|  | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24   | 09-03-2024                | 45.8                 | 43.7       |
| MAR'24   | 22-03-2024                | 45.1                 | 44.2       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 55                   | 45         |

| DIGHAWANI VILLAGE                              |                           | PDUN4                |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|  | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24   | 09-03-2024                | 44.2                 | 42.8       |
| MAR'24   | 22-03-2024                | 44.7                 | 43.1       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 55                   | 45         |

| MANAGER OFFICE                                 |                           | PDUN5                |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|  | DETECTION LIMIT           | DAY TIME             | NIGHT TIME |
| MAR'24   | 09-03-2024                | 47.4                 | 45.2       |
| MAR'24   | 22-03-2024                | 47.8                 | 45.4       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 75                   | 70         |



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## ENVIRONMENTAL MONITORING REPORT

# JAMUNIA UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
CMPDI  
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| <b>Environment Laboratory CMPDI<br/>RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/58   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| MANAGER OFFICE PJUA1   |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 06-03-2024   | 07-03-2024 | 373  | 289              | 41                | 17              | 12              | CLEAR / CALM                         |
| 21-03-2024   | 22-03-2024 | 331  | 249              | 33                | 16              | 11              | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| SUBSTATION PJUA2   |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 06-03-2024   | 07-03-2024 | 359  | 274              | 38                | 16              | 11              | CLEAR / CALM                         |
| 21-03-2024   | 22-03-2024 | 327  | 251              | 32                | 17              | 14              | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| JAMUNIA VILLAGE PJUA3      |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 06-03-2024                 | 07-03-2024 | 72   | 23                | 8               | BDL             | CLEAR / CALM                         |  |
| 21-03-2024                 | 22-03-2024 | 86   | 27                | 10              | BDL             | CLEAR / CALM                         |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

| BOKAI TOWNSHIP PNUA4       |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 07-03-2024                 | 08-03-2024 | 84   | 21                | 9               | BDL             | CLEAR SKY / CALM                     |  |
| 22-03-2024                 | 23-03-2024 | 74   | 26                | 8               | BDL             | CLEAR SKY / CALM                     |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |

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

**NOISE LEVEL MONITORING DATA**

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

| MANAGER OFFICE: PJUN1                                     |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | <b>DETECTION LIMIT</b>       | <b>20</b>            | <b>20</b>  |
| MAR'24  | 09-03-2024                   | 45.1                 | 43.8       |
| MAR'24  | 22-03-2024                   | 45.4                 | 43.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>RULES</b> |                              | <b>75</b>            | <b>70</b>  |



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## ENVIRONMENTAL MONITORING REPORT

# MAHADEOPURI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



MARCH 2024

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|                         |  |                 |                      |
|-------------------------|--|-----------------|----------------------|
| TEST REPORT NO.         | RIN/TR/MAR-24/59   | DATE OF ISSUE   | 28-03-2024           |
| NAME OF CUSTOMER        | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED           | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION      | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| MANAGER OFFICE PMUA1   |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 04-03-2024   | 05-03-2024 | 337  | 259              | 37                | 16              | 11              | CLEAR SKY / CALM                     |
| 19-03-2024   | 20-03-2024 | 365  | 270              | 32                | 17              | 15              | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| LAMP ROOM PMUA2  |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 04-03-2024   | 05-03-2024 | 362  | 277              | 35                | 17              | 11              | CLEAR SKY / CALM                     |
| 19-03-2024   | 20-03-2024 | 341  | 253              | 30                | 15              | 11              | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| GUEST HOUSE PARASIA PMUA3  |            |  |                   |                 |                 |                  |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                  | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                  |                                      |
| 04-03-2024                 | 05-03-2024 | 80   | 27                | 9               | BDL             | CLEAR SKY / CALM |                                      |
| 19-03-2024                 | 20-03-2024 | 69   | 21                | 10              | BDL             | CLEAR SKY / CALM |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                  |                                      |

| COLONY EDC DISPENSARY PMUA4 |            |  |                   |                 |                 |                  |                                      |
|-----------------------------|------------|--|-------------------|-----------------|-----------------|------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                  | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                        | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                  |                                      |
| 04-03-2024                  | 05-03-2024 | 81   | 21                | 10              | BDL             | CLEAR SKY / CALM |                                      |
| 19-03-2024                  | 20-03-2024 | 65   | 26                | 8               | BDL             | CLEAR SKY / CALM |                                      |
| 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: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: PMUW1                                      |                  |               |              |                |
|--|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>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>       |
| 04-03-2024   | 7.88             | 32            | 48           | BDL            |
| 19-03-2024   | 7.70             | 28            | 44           | BDL            |
| <b>STANDARDS FOR COAL<br/>MINE, GSR 742E, dt.<br/>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 PRNOVOLCOL FOR AMBIENT NOISE MEASUREMENT, NOV-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         |
| MAR'24   | 09-03-2024                | 69.2                 | 68.1       |
| MAR'24   | 22-03-2024                | 69.8                 | 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         |
| MAR'24   | 09-03-2024                | 45.1                 | 43.9       |
| MAR'24   | 22-03-2024                | 45.2                 | 44.2       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 55                   | 45         |



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## ENVIRONMENTAL MONITORING REPORT

### NEHARIA UG

PENCH AREA

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|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/60   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| <b>SAM OFFICE PNUA1</b>  |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 07-03-2024   | 08-03-2024 | 357  | 272              | 38                | 16              | 14              | CLEAR SKY / CALM                     |
| 22-03-2024   | 23-03-2024 | 339  | 261              | 41                | 14              | 12              | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| <b>LAMP ROOM/ SUBSTATION PNUA2</b>                             |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 07-03-2024   | 08-03-2024 | 367  | 281              | 36                | 17              | 14              | CLEAR SKY / CALM                     |
| 22-03-2024   | 23-03-2024 | 347  | 263              | 40                | 15              | 11              | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| <b>NEHARIA VILLAGE PNUA3</b> |            |  |                   |                 |                 |                                      |  |
|------------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING   |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
|                              |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| FROM                         | TO         | 5  | 2                 | 6               | 10              |                                      |  |
| 07-03-2024                   | 08-03-2024 | 76   | 25                | 10              | BDL             | CLEAR SKY / CALM                     |  |
| 22-03-2024                   | 23-03-2024 | 84   | 20                | 9               | BDL             | CLEAR SKY / CALM                     |  |
| NAAQS, 2009                  |            | 100  | 60                | 80              | 80              |                                      |  |

| <b>BOKAI TOWNSHIP PNUA4</b> |            |  |                   |                 |                 |                                      |  |
|-----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
|                             |            | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| FROM                        | TO         | 5  | 2                 | 6               | 10              |                                      |  |
| 07-03-2024                  | 08-03-2024 | 84   | 21                | 9               | BDL             | CLEAR SKY / CALM                     |  |
| 22-03-2024                  | 23-03-2024 | 74   | 26                | 8               | BDL             | CLEAR SKY / CALM                     |  |
| 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: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: PNUW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 11-03-2024  | 7.69             | 30            | 40           | BDL            |
| 21-03-2024  | 7.77             | 26            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP DISCHARGE: PNUW2                                    |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 11-03-2024  | 8.16             | 28            | 32           | BDL            |
| 21-03-2024  | 8.10             | 30            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015 |
| SAMPLING METHOD    | LSOP 6   |

| FAN HOUSE: PNUN1                               |                           |                      |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|  |                           | DAY TIME             | NIGHT TIME |
|  | DETECTION LIMIT           | 20                   | 20         |
| MAR'24   | 09-03-2024                | 69.5                 | 68.1       |
| MAR'24   | 22-03-2024                | 69.9                 | 68.5       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 75                   | 70         |

| COLONY: PNUN2                                  |                           |                      |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | NOISE LEVEL IN dB(A) |            |
|  |                           | DAY TIME             | NIGHT TIME |
|  | DETECTION LIMIT           | 20                   | 20         |
| MAR'24   | 09-03-2024                | 45.2                 | 44.9       |
| MAR'24   | 22-03-2024                | 45.2                 | 44.4       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 55                   | 45         |



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## ENVIRONMENTAL MONITORING REPORT

### NEW SETHIA OC

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



MARCH2024

Environment Laboratory  
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CMPDI  
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JARIPATKA, NAGPUR, PIN – 440 014

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


|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/61   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |


| NEW SETHIA OC SITE  |            | PNSOA1  |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|---|------------|---|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                  |                   |                 |                 |                                      |
| FROM  | TO         | SPM   | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 11-03-2024  | 12-03-2024 | 358   | 275              | 37                | 16              | 14              | CLEAR SKY / CALM                     |
| 26-03-2024  | 27-03-2024 | 325   | 257              | 42                | 14              | 10              | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000 |            | 600   | 300              | -                 | 120             | 120             |                                      |

| SAM OFFICE  |            | PCOA1   |                  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|---|------------|---|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                  |                   |                 |                 |                                      |
| FROM  | TO         | SPM   | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 12-03-2024  | 13-03-2024 | 368   | 280              | 41                | 16              | 14              | CLEAR SKY / CALM                     |
| 27-03-2024  | 28-03-2024 | 325   | 260              | 37                | 14              | BDL             | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000 |            | 600   | 300              | -                 | 120             | 120             |                                      |

| CHINDA VILLAGE             |            | PCOA3   |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|----------------------------|------------|---|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                   |                 |                 |                                      |
| FROM                       | TO         | PM <sub>10</sub>                                    | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 12-03-2024                 | 13-03-2024 | 76  | 26                | 10              | BDL             | CLEAR SKY / CALM                     |
| 27-03-2024                 | 28-03-2024 | 63  | 22                | 9               | BDL             | CLEAR SKY / CALM                     |
| NAAQS, 2009                |            | 100   | 60                | 80              | 80              |                                      |

| CHINDA COLONY              |            | PNSOA2  |                   |                 |                 | ENVIRONMENT<br>CONDITIONS (Sky/Wind) |
|----------------------------|------------|---|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in µg/m <sup>3</sup> ) |                   |                 |                 |                                      |
| FROM                       | TO         | PM <sub>10</sub>                                    | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 11-03-2024                 | 12-03-2024 | 68  | 21                | 9               | BDL             | CLEAR SKY / CALM                     |
| 26-03-2024                 | 27-03-2024 | 74  | 25                | 10              | BDL             | CLEAR SKY / CALM                     |
| 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: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE:  |                  | PSOW1         |              |                |
|--|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                                     | ANALYSIS RESULTS |               |              |                |
|  | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| <b>DETECTION LIMIT</b>   | <b>2</b>         | <b>10</b>     | <b>4</b>     | <b>2</b>       |
| 11-03-2024   | 7.60             | 32            | 44           | BDL            |
| 24-03-2024   | 7.97             | 26            | 32           | BDL            |
| <b>STANDARDS FOR COAL<br/>MINE, GSR 742E, dt.<br/>25/09/2000</b> | <b>5.5 - 9.0</b> | <b>100</b>    | <b>250</b>   | <b>10</b>      |

*lab/klm*

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

**NOISE LEVEL MONITORING DATA**

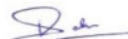
|                    |  |
|--------------------|--|
| SAMPLE DESCRIPTION | NOISE SAMPLE   |
| Test Required      | CPCB PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015 |
| SAMPLING METHOD    | LSOP 6   |

| NEAR MANAGER OFFICE: PSON1                            |                           | NOISE LEVEL IN dB(A) |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | DAY TIME             | NIGHT TIME |
|   |                           | DETECTION LIMIT      | 20         |
| MAR'24  | 09-03-2024                | 46.4                 | 44.9       |
| MAR'24  | 22-03-2024                | 45.4                 | 44.6       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | 75                   | 70         |

| COLONY CHINDA: PCON2                                  |                           | NOISE LEVEL IN dB(A) |            |
|---|---------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE COLLECTION | DAY TIME             | NIGHT TIME |
|   |                           | DETECTION LIMIT      | 20         |
| MAR'24  | 09-03-2024                | 45.2                 | 44.5       |
| MAR'24  | 22-03-2024                | 45.4                 | 43.8       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                           | 55                   | 45         |



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## ENVIRONMENTAL MONITORING REPORT

# SHIVPURI OC

PENCH AREA

WESTERN COALFIELDS LTD.


JOB NO. 4094423067



MARCH 2024

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

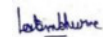
|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-23/62   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 09-03-2024   | 10-03-2024 | 340  | 255              | 33                | 15              | 12              | CLEAR SKY / CALM                     |
| 10-03-2024   | 11-03-2024 | 310  | 224              | 39                | 14              | BDL             | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 10-03-2024   | 11-03-2024 | 371  | 289              | 42                | 17              | 14              | CLEAR SKY / CALM                     |
| 25-03-2024   | 26-03-2024 | 341  | 268              | 37                | 15              | 11              | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 09-03-2024                 | 10-03-2024 | 65   | 20                | 9               | BDL             | CLEAR SKY / CALM                     |
| 10-03-2024                 | 11-03-2024 | 73   | 25                | 8               | BDL             | CLEAR SKY / CALM                     |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 12-03-2024                 | 13-03-2024 | 76   | 26                | 10              | BDL             | CLEAR SKY / CALM                     |
| 27-03-2024                 | 28-03-2024 | 63   | 22                | 9               | BDL             | CLEAR SKY / CALM                     |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |



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**NOISE LEVEL MONITORING DATA**

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

| NEAR MANAGER OFFICE: PSON1                                |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 09-03-2024                   | 45.4                 | 44.2       |
| MAR'24  | 22-03-2024                   | 45.5                 | 43.2       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>RULES</b> |                              | <b>75</b>            | <b>70</b>  |

| COLONY: PSON2   |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT              | 20                   | 20         |
| MAR'24  | 09-03-2024                   | 45.8                 | 44.1       |
| MAR'24  | 22-03-2024                   | 45.2                 | 44.4       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>RULES</b> |                              | <b>55</b>            | <b>45</b>  |



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## ENVIRONMENTAL MONITORING REPORT

# THESGORA MATHANI UG

PENCH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423067



MARCH 2024

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

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/63   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| MATHANI VILLAGE PTUA1      |            |  |                   |                 |                 |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 08-03-2024                 | 09-03-2024 | 86   | 25                | 10              | BDL             | CLEAR / CALM                         |
| 23-03-2024                 | 24-03-2024 | 71   | 21                | 8               | BDL             | CLEAR / CALM                         |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |

| SAM OFFICE PTUA2   |            |  |                  |                   |                 |                                      |                 |
|--|------------|--|------------------|-------------------|-----------------|--------------------------------------|-----------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |                 |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> |                                      | SO <sub>2</sub> |
| 08-03-2024   | 09-03-2024 | 350  | 269              | 40                | 14              | 12                                   | CLEAR / CALM    |
| 23-03-2024   | 24-03-2024 | 319  | 238              | 36                | 13              | BDL                                  | CLEAR / CALM    |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120                                  |                 |

| MANAGER OFFICE- MATHANI PTUA3                                  |            |  |                  |                   |                 |                                      |                 |
|--|------------|--|------------------|-------------------|-----------------|--------------------------------------|-----------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |                 |
| FROM   | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> |                                      | SO <sub>2</sub> |
| 08-03-2024   | 09-03-2024 | 363  | 285              | 34                | 17              | 15                                   | CLEAR / CALM    |
| 23-03-2024   | 24-03-2024 | 329  | 256              | 40                | 14              | 11                                   | CLEAR / CALM    |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120                                  |                 |

| JHURE COLONY- FILTER PLANT PTUA4 |            |  |                   |                 |                 |                                      |
|----------------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING       |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                             | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 08-03-2024                       | 09-03-2024 | 68   | 26                | 9               | BDL             | CLEAR / CALM                         |
| 23-03-2024                       | 24-03-2024 | 76   | 22                | 10              | BDL             | CLEAR / CALM                         |
| 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: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: PTUW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 08-03-2024  | 7.74             | 24            | 32           | BDL            |
| 22-03-2024  | 7.67             | 30            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

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

**NOISE LEVEL MONITORING DATA**

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

| FAN HOUSE-MATHANI: PTUN1                       |                           | NOISE LEVEL IN dB(A) |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | DAY TIME             | NIGHT TIME |
|  |                           | DETECTION LIMIT      | 20         |
| MAR'24   | 09-03-2024                | 69.2                 | 68.1       |
| MAR'24   | 22-03-2024                | 69.4                 | 68.2       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 75                   | 70         |

| MATHANI COLONY: PTUN2                          |                           | NOISE LEVEL IN dB(A) |            |
|--|---------------------------|----------------------|------------|
| MONTH  | DATE OF SAMPLE COLLECTION | DAY TIME             | NIGHT TIME |
|  |                           | DETECTION LIMIT      | 20         |
| MAR'24   | 09-03-2024                | 45.4                 | 44.2       |
| MAR'24   | 22-03-2024                | 45.5                 | 43.8       |
| NOISE POLLUTION (REGULATION AND CONTROL) RULES |                           | 55                   | 50         |



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## ENVIRONMENTAL MONITORING REPORT

### URDHAN OC

PENCH AREA

### WESTERN COALFIELDS LTD.


JOB NO. 4094423067



MARCH 2024

Environment Laboratory  
NABL Accredited vide Cert. No. TC-7102  
CMPDI  
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,  
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|   |                    |  |
|---|--------------------|--|
| <b>Environment Laboratory CMPDI<br/>RI-IV, NAGPUR</b> | <b>Test Report</b> | <br>TC-7102 |
|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/64   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| URDHAN MANAGER OFFICE PUOA1                                    |            |  |                  |                   |                 |                 |                                      |
|--|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                     |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(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              |                                      |
| 06-03-2024   | 07-03-2024 | 357  | 271              | 32                | 15              | 11              | CLEAR SKY / CALM                     |
| 21-03-2024   | 22-03-2024 | 322  | 243              | 39                | 17              | 15              | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25TH NOVember 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<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|                            |            | 5  | 2                 | 6               | 10              |                                      |  |
| 06-03-2024                 | 07-03-2024 | 81   | 19                | 9               | BDL             | CLEAR SKY / CALM                     |  |
| 21-03-2024                 | 22-03-2024 | 69   | 24                | 10              | BDL             | CLEAR SKY / CALM                     |  |
| 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<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|                            |            | 5  | 6                 | 10              |                 |                                      |  |
| 07-03-2024                 | 08-03-2024 | 76   | 25                | 10              | BDL             | CLEAR SKY / CALM                     |  |
| 22-03-2024                 | 23-03-2024 | 84   | 20                | 9               | BDL             | CLEAR SKY / CALM                     |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |


| BOKAI TOWNSHIP PNUA4       |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
|                            |            | 5  | 2                 | 6               | 10              |                                      |  |
| 07-03-2024                 | 08-03-2024 | 84   | 21                | 9               | BDL             | CLEAR SKY / CALM                     |  |
| 22-03-2024                 | 23-03-2024 | 74   | 26                | 8               | BDL             | CLEAR SKY / CALM                     |  |
| 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: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: PUOW1                             |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 06-03-2024  | 7.81             | 32            | 44           | BDL            |
| 21-03-2024  | 7.75             | 26            | 36           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |

| ETP DISCHARGE: PUOW2                                    |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 06-03-2024  | 8.03             | 28            | 36           | BDL            |
| 21-03-2024  | 7.91             | 30            | 44           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015 |
| SAMPLING METHOD    | LSOP 6   |

| MANAGER OFFICE: PUON1                                     |                              |                      |            |
|---|------------------------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE<br>COLLECTION | NOISE LEVEL IN dB(A) |            |
|   |                              | DAY TIME             | NIGHT TIME |
|   |                              | DETECTION LIMIT      | <b>20</b>  |
| MAR'24  | 09-03-2024                   | 47.4                 | 45.7       |
| MAR'24  | 22-03-2024                   | 47.6                 | 45.4       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL)<br/>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. 4094423067



MARCH 2024

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|---|--------------------|--|

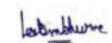
|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/66   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO2: IS 5182 Part-06:2006(2017), SO2:IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| SAM OFFICE   PV1UA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 10-03-2024  | 11-03-2024 | 360  | 281              | 39                | 16              | 12              | CLEAR SKY / CALM                     |
| 25-03-2024  | 26-03-2024 | 337  | 253              | 43                | 14              | 11              | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| SUBSTATION   PV2UA2   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING                                  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 10-03-2024  | 11-03-2024 | 371  | 289              | 42                | 17              | 14              | CLEAR SKY / CALM                     |
| 25-03-2024  | 26-03-2024 | 341  | 268              | 37                | 15              | 11              | CLEAR SKY / CALM                     |
| STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH NOVember 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| COLONY GUEST HOUSE SHIVPURI   PSOA3 |            |  |                   |                 |                 |                                      |  |
|-------------------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING          |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                                | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 09-03-2024                          | 10-03-2024 | 65   | 20                | 9               | BDL             | CLEAR SKY / CALM                     |  |
| 10-03-2024                          | 11-03-2024 | 73   | 25                | 8               | BDL             | CLEAR SKY / CALM                     |  |
| NAAQS, 2009                         |            | 100  | 60                | 80              | 80              |                                      |  |

| CHINDA VILLAGE   PCOA3     |            |  |                   |                 |                 |                                      |  |
|----------------------------|------------|--|-------------------|-----------------|-----------------|--------------------------------------|--|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |  |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |  |
| 12-03-2024                 | 13-03-2024 | 76   | 26                | 10              | BDL             | CLEAR SKY / CALM                     |  |
| 27-03-2024                 | 28-03-2024 | 63   | 22                | 9               | BDL             | CLEAR SKY / CALM                     |  |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                                      |  |



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

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| SAMPLE DESCRIPTION | Water sample   |  |                      |
| Test Required      | pH: IS 3025 -Part 11:1983(RA 2017),TSS: IS 3025-Part 17:1984(RA 2017),COD: APHA (23rd Edition) 5220 C :2017,O &G: IS 3025-Part 39:1991(RA 2019) & BOD: IS 3025 (Part 44): 1993 (RA 2019) |  |                      |
| SAMPLING METHOD    | LSOP 5   | PERIOD OF PERFORMANCE OF LAB ACTIVITIES: | 16-03-24 TO 15-04-24 |

| MINE WATER DISCHARGE: PV2UW1                            |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 10-03-2024  | 7.97             | 22            | 36           | BDL            |
| 23-03-2024  | 7.91             | 26            | 40           | BDL            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>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 PRNOVOCOL FOR AMBIENT NOISE MEASUREMENT, NOV-2015 |
| SAMPLING METHOD    | LSOP 6   |

| FAN HOUSE UG-II: PV2UN1                               |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 09-03-2024      | 69.7                 | 68.1       |
| MAR'24  | 22-03-2024      | 69.9                 | 67.9       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>75</b>            | <b>70</b>  |



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## ENVIRONMENTAL MONITORING REPORT

### CWS TADALI

CWS TADALI

WESTERN COALFIELDS LTD.


JOB NO. 4094423068



MARCH 2024

Environment Laboratory  
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|---|--------------------|--|

|                          |  |                 |                      |
|--------------------------|--|-----------------|----------------------|
| TEST REPORT NO.          | RIN/TR/MAR-24/53   | DATE OF ISSUE   | 29-04-2024           |
| NAME OF CUSTOMER         | GM(ENV.), WCL(HQ), NAGPUR  |                 |                      |
| TEST REQUIRED            | SPM: IS 5182 Part-4:1999(RA 2019), PM-10: IS-5182 Part 23:2006(RA 2017), PM2.5: USEPA Quality Assurance guidance document volume-II (part-II)-2.12:2016, NO <sub>2</sub> : IS 5182 Part-06:2006(2017), SO <sub>2</sub> :IS 5182 Part-2:2001(RA 2017) |                 |                      |
| SAMPLE DESCRIPTION       | AIR SAMPLE   | SAMPLING PLAN : | LQR 47               |
| SAMPLING METHOD : LSOP 4 | PERIOD OF PERFORMANCE OF LAB ACTIVITIES:   |                 | 16-03-24 TO 15-04-24 |

| SUBSTATION: CWSA1   |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 02-03-2024  | 03-03-2024 | 5  | 5                | 2                 | 6               | 10              | CLEAR / LIGHT BREEZE                 |
| 17-03-2024  | 18-03-2024 | 370  | 209              | 67                | 18              | 15              | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |


| NEAR FILTER PLANT: CWSA2   |            |  |                   |                 |                 |                      |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|----------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                      | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                      |                                      |
| 02-03-2024                 | 03-03-2024 | 5  | 2                 | 6               | 10              | CLEAR / LIGHT BREEZE |                                      |
| 17-03-2024                 | 18-03-2024 | 76   | 50                | 16              | 14              | CLEAR / CALM         |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                      |                                      |

| ADMINISTRATIVE BUILDING: CWSA3  |            |  |                  |                   |                 |                 |                                      |
|---|------------|--|------------------|-------------------|-----------------|-----------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING  |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                  |                   |                 |                 | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM  | TO         | SPM  | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                                      |
| 02-03-2024  | 03-03-2024 | 5  | 5                | 2                 | 6               | 10              | CLEAR / LIGHT BREEZE                 |
| 17-03-2024  | 18-03-2024 | 210  | 64               | 42                | 16              | 13              | CLEAR / CALM                         |
| STANDARDS FOR COAL MINE, GSR 742(E),<br>dt. 25 <sup>TH</sup> September 2000 |            | 600  | 300              | -                 | 120             | 120             |                                      |

| CWS COLONY: CWSA4          |            |  |                   |                 |                 |                      |                                      |
|----------------------------|------------|--|-------------------|-----------------|-----------------|----------------------|--------------------------------------|
| DATE(dd:mm:yy) OF SAMPLING |            | PARAMETERS (24 hourly values in $\mu\text{g}/\text{m}^3$ ) |                   |                 |                 |                      | ENVIRONMENT CONDITIONS<br>(Sky/Wind) |
| FROM                       | TO         | PM <sub>10</sub>   | PM <sub>2.5</sub> | NO <sub>2</sub> | SO <sub>2</sub> |                      |                                      |
| 02-03-2024                 | 03-03-2024 | 5  | 2                 | 6               | 10              | CLEAR / LIGHT BREEZE |                                      |
| 17-03-2024                 | 18-03-2024 | 58   | 52                | 15              | 12              | CLEAR / CALM         |                                      |
| NAAQS, 2009                |            | 100  | 60                | 80              | 80              |                      |                                      |

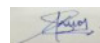


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|---|--------------------|--|

|                    |  |  |                      |
|--------------------|--|--|----------------------|
| 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: | 16-03-24 TO 15-04-24 |

| ETP DISCHARGE: CWSW1                                    |                  |               |              |                |
|---|------------------|---------------|--------------|----------------|
| DATE OF SAMPLE<br>COLLECTION                            | ANALYSIS RESULTS |               |              |                |
|   | pH               | TSS (in mg/l) | COD(in mg/l) | O & G(in mg/l) |
| DETECTION LIMIT   | 2                | 10            | 4            | 2              |
| 02-03-2024  | 7.40             | 42            | 52           | 3.2            |
| 17-03-2024  | 7.30             | 30            | 48           | 4.0            |
| STANDARDS FOR COAL<br>MINE, GSR 742E, dt.<br>25/09/2000 | 5.5 - 9.0        | 100           | 250          | 10             |



Analysed by

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

**NOISE LEVEL MONITORING DATA**

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

| <b>NEAR WORKSHOP: CWSN1</b>                           |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 06-03-2024      | 51.8                 | 50.6       |
| MAR'24  | 29-03-2024      | 56.7                 | 54.1       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>75</b>            | <b>70</b>  |

| <b>COLONY(CWS): CWSN2</b>                             |                 |                      |            |
|---|-----------------|----------------------|------------|
| MONTH   | DATE OF SAMPLE  | NOISE LEVEL IN dB(A) |            |
|   | COLLECTION      | DAY TIME             | NIGHT TIME |
|   | DETECTION LIMIT | 20                   | 20         |
| MAR'24  | 06-03-2024      | 43.6                 | 42.5       |
| MAR'24  | 29-03-2024      | 45.4                 | 43.2       |
| <b>NOISE POLLUTION (REGULATION AND CONTROL) RULES</b> |                 | <b>55</b>            | <b>45</b>  |



Ashwin B Wasnik  
Reviewed by



Deepanshu Sahu  
Authorised by

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

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