



## MEGHALAYA POWER LIMITED

Lumshnong, Meghalaya

| Date (DD-MM-YYYY) | Pressure (mmHg) | Relative Humidity (%) | Temp. (C) | Manual Rain (mm) |
|-------------------|-----------------|-----------------------|-----------|------------------|
| 01-10-2023        | 762.8           | 81.2                  | 28.7      | 0.0              |
| 02-10-2023        | 762.8           | 83.3                  | 30.4      | 62.8             |
| 03-10-2023        | 761.8           | 84.8                  | 30.8      | 9.2              |
| 04-10-2023        | 763.8           | 70.3                  | 31.8      | 0.0              |
| 05-10-2023        | 764.8           | 68.3                  | 28.6      | 18.6             |
| 06-10-2023        | 762.8           | 68.3                  | 22.8      | 34.0             |
| 07-10-2023        | 761.8           | 75.7                  | 23.8      | 68.0             |
| 08-10-2023        | 763.8           | 74.2                  | 25.8      | 90.8             |
| 09-10-2023        | 763.0           | 78.9                  | 26.8      | 21.8             |
| 10-10-2023        | 762.8           | 77.3                  | 30.8      | 0.0              |
| 11-10-2023        | 764.3           | 74.2                  | 30.3      | 0.0              |
| 12-10-2023        | 763.2           | 70.6                  | 29.5      | 2.0              |
| 13-10-2023        | 763.6           | 90.2                  | 30.2      | 0.0              |
| 14-10-2023        | 762.2           | 76.4                  | 29.5      | 0.0              |
| 15-10-2023        | 762.5           | 72.2                  | 27.2      | 0.0              |
| 16-10-2023        | 763.2           | 79.4                  | 30.9      | 0.0              |
| 17-10-2023        | 763.8           | 84.8                  | 30.8      | 0.0              |
| 18-10-2023        | 764.3           | 70.3                  | 31.8      | 0.0              |
| 19-10-2023        | 761.8           | 68.3                  | 28.6      | 0.0              |
| 20-10-2023        | 764.0           | 68.3                  | 22.8      | 0.0              |
| 21-10-2023        | 761.8           | 75.7                  | 23.8      | 0.0              |
| 22-10-2023        | 763.8           | 74.2                  | 25.8      | 0.0              |
| 23-10-2023        | 763.0           | 78.9                  | 26.8      | 12.6             |
| 24-10-2023        | 762.8           | 77.3                  | 30.8      | 4.2              |
| 25-10-2023        | 764.3           | 74.2                  | 30.3      | 0.0              |
| 26-10-2023        | 763.2           | 70.6                  | 29.5      | 0.0              |
| 27-10-2023        | 763.6           | 90.2                  | 30.2      | 0.0              |
| 28-10-2023        | 762.2           | 76.4                  | 29.5      | 0.0              |
| 29-10-2023        | 762.5           | 72.2                  | 27.2      | 0.0              |
| 30-10-2023        | 763.2           | 79.4                  | 30.9      | 0.0              |
| 31-10-2023        | 763.6           | 72.2                  | 27.2      | 0.0              |
|                   |                 |                       | Total     | 324.0            |

|                                                                                                                                        |                                                              |                                                                                                   |                                      |                                                                                                      |
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|                                                       | <b>MEGHALAYA POWER LIMITED (8MW)</b><br>Lumshnong, Meghalaya |                                                                                                   | Reference No.                        | MPL/Env/F – 01                                                                                       |
|                                                                                                                                        |                                                              |                                                                                                   | Issue No.                            | 1                                                                                                    |
|                                                                                                                                        |                                                              |                                                                                                   | Date of Issue:                       | 24.08.2013                                                                                           |
|                                                                                                                                        |                                                              |                                                                                                   | Revision No.                         | 5                                                                                                    |
|                                                                                                                                        | <b>AMBIENT AIR QUALITY MONITORING REPORT</b>                 |                                                                                                   | Date of Rev.                         | 01.12.2020                                                                                           |
| Reference No.: MPL (8MW)/ENV/AAQM/MONTHLY/2023-24/07                                                                                   |                                                              |                                                                                                   | Month : October                      |                                                                                                      |
| Location of Sampling: Near ADM Office (South)                                                                                          |                                                              | GPS Coordinate: 25°10'34"N 92°23'46"E 907 m                                                       |                                      |                                                                                                      |
| Sampling Duration:                                                                                                                     | 24 Hrs.                                                      | 24 Hrs.                                                                                           | 24 Hrs.                              | 24 Hrs.                                                                                              |
| Date of Sampling                                                                                                                       | PM <sub>10</sub> (µg/m <sup>3</sup> )                        | PM <sub>2.5</sub> (µg/m <sup>3</sup> )                                                            | SO <sub>2</sub> (µg/m <sup>3</sup> ) | NO <sub>2</sub> (µg/m <sup>3</sup> )                                                                 |
| 04.10.2023                                                                                                                             | 44.81                                                        | 25.63                                                                                             | 15.91                                | 20.73                                                                                                |
| 06.10.2023                                                                                                                             | 47.17                                                        | 23.60                                                                                             | 17.67                                | 22.02                                                                                                |
| 10.10.2023                                                                                                                             | 43.03                                                        | 28.13                                                                                             | 17.05                                | 19.73                                                                                                |
| 12.10.2023                                                                                                                             | 44.90                                                        | 25.63                                                                                             | 19.67                                | 22.72                                                                                                |
| 14.10.2023                                                                                                                             | 43.73                                                        | 26.81                                                                                             | 16.03                                | 19.77                                                                                                |
| 17.10.2023                                                                                                                             | 41.88                                                        | 22.47                                                                                             | 15.71                                | 20.69                                                                                                |
| 19.10.2023                                                                                                                             | 42.55                                                        | 29.13                                                                                             | 16.70                                | 21.52                                                                                                |
| 21.10.2023                                                                                                                             | 40.73                                                        | 26.63                                                                                             | 15.25                                | 20.66                                                                                                |
| <b>NAAQS permissible limits for Rural, Industrial, Residential Area</b>                                                                | <b>100 (µg/m<sup>3</sup>)</b>                                | <b>60 (µg/m<sup>3</sup>)</b>                                                                      | <b>80 (µg/m<sup>3</sup>)</b>         | <b>80 (µg/m<sup>3</sup>)</b>                                                                         |
| Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009. |                                                              |                                                                                                   |                                      |                                                                                                      |
| <br>Analysed by                                     |                                                              | <br>Checked by |                                      | <br>Verified By |

|                                                                                                                                                      |                                                              |                                                                                                   |                                      |                                                                                                      |
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|                                                                     | <b>MEGHALAYA POWER LIMITED (8MW)</b><br>Lumshnong, Meghalaya |                                                                                                   | Reference No.                        | MPL/Env/F – 01                                                                                       |
|                                                                                                                                                      |                                                              |                                                                                                   | Issue No.                            | 1                                                                                                    |
|                                                                                                                                                      | <b>AMBIENT AIR QUALITY MONITORING REPORT</b>                 |                                                                                                   | Date of Issue:                       | 24.08.2013                                                                                           |
|                                                                                                                                                      |                                                              |                                                                                                   | Revision No.                         | 5                                                                                                    |
|                                                                                                                                                      |                                                              |                                                                                                   | Date of Rev.                         | 01.12.2020                                                                                           |
| Reference No.: MPL (8MW)/ENV/AAQM/MONTHLY/2023-24/07                                                                                                 |                                                              |                                                                                                   | Month : October                      |                                                                                                      |
| Location of Sampling: Near STP                                                                                                                       |                                                              | GPS Coordinate: 25°10'49"N 92°23'58"E 947 m                                                       |                                      |                                                                                                      |
| Sampling Duration:                                                                                                                                   | 24 Hrs.                                                      | 24 Hrs.                                                                                           | 24 Hrs.                              | 24 Hrs.                                                                                              |
| Date of Sampling                                                                                                                                     | PM <sub>10</sub> (µg/m <sup>3</sup> )                        | PM <sub>2.5</sub> (µg/m <sup>3</sup> )                                                            | SO <sub>2</sub> (µg/m <sup>3</sup> ) | NO <sub>2</sub> (µg/m <sup>3</sup> )                                                                 |
| 04.10.2023                                                                                                                                           | 26.18                                                        | 20.59                                                                                             | 16.27                                | 22.25                                                                                                |
| 06.10.2023                                                                                                                                           | 28.18                                                        | 19.56                                                                                             | 17.47                                | 25.75                                                                                                |
| 10.10.2023                                                                                                                                           | 29.50                                                        | 21.89                                                                                             | 14.79                                | 18.38                                                                                                |
| 12.10.2023                                                                                                                                           | 33.85                                                        | 23.05                                                                                             | 15.41                                | 20.38                                                                                                |
| 14.10.2023                                                                                                                                           | 31.47                                                        | 21.41                                                                                             | 16.09                                | 22.25                                                                                                |
| 17.10.2023                                                                                                                                           | 29.17                                                        | 19.87                                                                                             | 16.81                                | 20.04                                                                                                |
| 19.10.2023                                                                                                                                           | 33.40                                                        | 17.40                                                                                             | 16.09                                | 21.28                                                                                                |
| 21.10.2023                                                                                                                                           | 31.69                                                        | 15.57                                                                                             | 15.14                                | 19.29                                                                                                |
| NAAQS permissible limits for Rural, Industrial, Residential Area                                                                                     | 100 (µg/m <sup>3</sup> )                                     | 60 (µg/m <sup>3</sup> )                                                                           | 80 (µg/m <sup>3</sup> )              | 80 (µg/m <sup>3</sup> )                                                                              |
| <p><b>Remarks:</b> All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.</p> |                                                              |                                                                                                   |                                      |                                                                                                      |
| <br>Analysed by                                                   |                                                              | <br>Checked by |                                      | <br>Verified By |

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|                                                                     | <b>MEGHALAYA POWER LIMITED (8MW)</b><br>Lumshnong, Meghalaya |                                                                                                   | Reference No.                        | MPL/Env/F – 01                                                                                       |
|                                                                                                                                                      |                                                              |                                                                                                   | Issue No.                            | 1                                                                                                    |
|                                                                                                                                                      | <b>AMBIENT AIR QUALITY MONITORING REPORT</b>                 |                                                                                                   | Date of Issue:                       | 24.08.2013                                                                                           |
|                                                                                                                                                      |                                                              |                                                                                                   | Revision No.                         | 5                                                                                                    |
|                                                                                                                                                      |                                                              |                                                                                                   | Date of Rev.                         | 01.12.2020                                                                                           |
| Reference No.: MPL (8MW)/ENV/AAQM/MONTHLY/2023-24/07                                                                                                 |                                                              |                                                                                                   | Month : October                      |                                                                                                      |
| Location of Sampling: Near Piezometer Well                                                                                                           |                                                              | GPS Coordinate: 25°10'35"N 92°23'53"E 348 m                                                       |                                      |                                                                                                      |
| Sampling Duration:                                                                                                                                   | 24 Hrs.                                                      | 24 Hrs.                                                                                           | 24 Hrs.                              | 24 Hrs.                                                                                              |
| Date of Sampling                                                                                                                                     | PM <sub>10</sub> (µg/m <sup>3</sup> )                        | PM <sub>2.5</sub> (µg/m <sup>3</sup> )                                                            | SO <sub>2</sub> (µg/m <sup>3</sup> ) | NO <sub>2</sub> (µg/m <sup>3</sup> )                                                                 |
| 04.10.2023                                                                                                                                           | 47.54                                                        | 32.07                                                                                             | 15.61                                | 21.56                                                                                                |
| 06.10.2023                                                                                                                                           | 46.16                                                        | 26.65                                                                                             | 17.15                                | 20.36                                                                                                |
| 10.10.2023                                                                                                                                           | 49.80                                                        | 28.87                                                                                             | 16.80                                | 22.35                                                                                                |
| 12.10.2023                                                                                                                                           | 51.30                                                        | 32.55                                                                                             | 14.73                                | 21.22                                                                                                |
| 14.10.2023                                                                                                                                           | 50.16                                                        | 29.07                                                                                             | 13.80                                | 21.86                                                                                                |
| 17.10.2023                                                                                                                                           | 44.51                                                        | 30.72                                                                                             | 14.80                                | 20.82                                                                                                |
| 19.10.2023                                                                                                                                           | 45.16                                                        | 25.72                                                                                             | 15.83                                | 22.25                                                                                                |
| 21.10.2023                                                                                                                                           | 41.78                                                        | 24.71                                                                                             | 13.15                                | 22.34                                                                                                |
| NAAQS permissible limits for Rural, Industrial, Residential Area                                                                                     | 100 (µg/m <sup>3</sup> )                                     | 60 (µg/m <sup>3</sup> )                                                                           | 80 (µg/m <sup>3</sup> )              | 80 (µg/m <sup>3</sup> )                                                                              |
| <p><b>Remarks:</b> All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.</p> |                                                              |                                                                                                   |                                      |                                                                                                      |
| <br>Analysed by                                                   |                                                              | <br>Checked by |                                      | <br>Verified By |

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|                                                                     | <b>MEGHALAYA POWER LIMITED (8MW)</b><br>Lumshnong, Meghalaya |                                                                                                   | Reference No.                        | MPL/Env/F – 01                                                                                       |
|                                                                                                                                                      |                                                              |                                                                                                   | Issue No.                            | 1                                                                                                    |
|                                                                                                                                                      | <b>GROUND LEVEL AMBIENT AIR QUALITY MONITORING REPORT</b>    |                                                                                                   | Date of Issue:                       | 24.08.2013                                                                                           |
|                                                                                                                                                      |                                                              |                                                                                                   | Revision No.                         | 5                                                                                                    |
|                                                                                                                                                      |                                                              |                                                                                                   | Date of Rev.                         | 01.12.2020                                                                                           |
| Reference No.: MPL (8MW)/ENV/AAQM/MONTHLY/2023-24/07                                                                                                 |                                                              |                                                                                                   | Month : October                      |                                                                                                      |
| Location of Sampling: Near ADM Office                                                                                                                |                                                              | GPS Coordinate: 25°10'34"N 92°23'46"E 907 m                                                       |                                      |                                                                                                      |
| Sampling Duration:                                                                                                                                   | 24 Hrs.                                                      | 24 Hrs.                                                                                           | 24 Hrs.                              | 24 Hrs.                                                                                              |
| Date of Sampling                                                                                                                                     | PM <sub>10</sub> (µg/m <sup>3</sup> )                        | PM <sub>2.5</sub> (µg/m <sup>3</sup> )                                                            | SO <sub>2</sub> (µg/m <sup>3</sup> ) | NO <sub>2</sub> (µg/m <sup>3</sup> )                                                                 |
| 03.10.2023                                                                                                                                           | 39.21                                                        | 21.19                                                                                             | 13.80                                | 17.90                                                                                                |
| 05.10.2023                                                                                                                                           | 40.97                                                        | 19.16                                                                                             | 12.77                                | 16.87                                                                                                |
| 09.10.2023                                                                                                                                           | 37.43                                                        | 23.69                                                                                             | 15.10                                | 19.20                                                                                                |
| 11.10.2023                                                                                                                                           | 39.30                                                        | 21.19                                                                                             | 16.26                                | 20.36                                                                                                |
| 13.10.2023                                                                                                                                           | 38.13                                                        | 22.37                                                                                             | 16.80                                | 18.72                                                                                                |
| 16.10.2023                                                                                                                                           | 26.73                                                        | 12.85                                                                                             | 13.08                                | 17.18                                                                                                |
| 18.10.2023                                                                                                                                           | 36.95                                                        | 24.69                                                                                             | 14.37                                | 17.91                                                                                                |
| 20.10.2023                                                                                                                                           | 35.13                                                        | 22.19                                                                                             | 15.81                                | 18.24                                                                                                |
| NAAQS permissible limits for Rural, Industrial, Residential Area                                                                                     | 100 (µg/m <sup>3</sup> )                                     | 60 (µg/m <sup>3</sup> )                                                                           | 80 (µg/m <sup>3</sup> )              | 80 (µg/m <sup>3</sup> )                                                                              |
| <p><b>Remarks:</b> All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.</p> |                                                              |                                                                                                   |                                      |                                                                                                      |
| <br>Analysed by                                                   |                                                              | <br>Checked by |                                      | <br>Verified By |

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|                                                                     | <b>MEGHALAYA POWER LIMITED (8MW)</b><br>Lumshnong, Meghalaya |                                                                                                   | Reference No.                        | MPL/Env/F – 01                                                                                       |
|                                                                                                                                                      |                                                              |                                                                                                   | Issue No.                            | 1                                                                                                    |
|                                                                                                                                                      | <b>GROUND LEVEL AMBIENT AIR QUALITY MONITORING REPORT</b>    |                                                                                                   | Date of Issue:                       | 24.08.2013                                                                                           |
|                                                                                                                                                      |                                                              |                                                                                                   | Revision No.                         | 5                                                                                                    |
|                                                                                                                                                      |                                                              |                                                                                                   | Date of Rev.                         | 01.12.2020                                                                                           |
| Reference No.: MPL (8MW)/ENV/AAQM/MONTHLY/2023-24/07                                                                                                 |                                                              |                                                                                                   | Month : October                      |                                                                                                      |
| Location of Sampling: Near DM Plant                                                                                                                  |                                                              | GPS Coordinate: 25°10'43"N 92°23'50"E 348 m                                                       |                                      |                                                                                                      |
| Sampling Duration:                                                                                                                                   | 24 Hrs.                                                      | 24 Hrs.                                                                                           | 24 Hrs.                              | 24 Hrs.                                                                                              |
| Date of Sampling                                                                                                                                     | PM <sub>10</sub> (µg/m <sup>3</sup> )                        | PM <sub>2.5</sub> (µg/m <sup>3</sup> )                                                            | SO <sub>2</sub> (µg/m <sup>3</sup> ) | NO <sub>2</sub> (µg/m <sup>3</sup> )                                                                 |
| 03.10.2023                                                                                                                                           | 34.97                                                        | 23.40                                                                                             | 16.27                                | 19.98                                                                                                |
| 05.10.2023                                                                                                                                           | 35.27                                                        | 21.37                                                                                             | 15.24                                | 18.95                                                                                                |
| 09.10.2023                                                                                                                                           | 36.38                                                        | 25.90                                                                                             | 17.57                                | 21.28                                                                                                |
| 11.10.2023                                                                                                                                           | 34.43                                                        | 23.40                                                                                             | 18.73                                | 22.44                                                                                                |
| 13.10.2023                                                                                                                                           | 32.94                                                        | 24.58                                                                                             | 17.09                                | 20.80                                                                                                |
| 16.10.2023                                                                                                                                           | 31.43                                                        | 20.24                                                                                             | 15.55                                | 19.26                                                                                                |
| 18.10.2023                                                                                                                                           | 32.95                                                        | 26.90                                                                                             | 11.62                                | 16.79                                                                                                |
| 20.10.2023                                                                                                                                           | 30.15                                                        | 24.40                                                                                             | 11.25                                | 14.96                                                                                                |
| NAAQS permissible limits for Rural, Industrial, Residential Area                                                                                     | 100 (µg/m <sup>3</sup> )                                     | 60 (µg/m <sup>3</sup> )                                                                           | 80 (µg/m <sup>3</sup> )              | 80 (µg/m <sup>3</sup> )                                                                              |
| <p><b>Remarks:</b> All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.</p> |                                                              |                                                                                                   |                                      |                                                                                                      |
| <br>Analysed by                                                   |                                                              | <br>Checked by |                                      | <br>Verified By |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>MEGHALAYA POWER LIMITED (8 MW)</b><br>Lumshnong, Meghalaya                        |                                          | Reference No.  | MPL/Env/F-02                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                      |                                          | Issue No.      | 1                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                      |                                          | Date of Issue: | 01.05.2019                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                      |                                          | Revision No.   | 5                                        |
| STACK EMISSION MONITORING ANALYSIS REPORT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                      | Date of Rev.                             | 01.06.2021     |                                          |
| Report No: MPL(8MW)/Env/Stack/Monthly/2023-24/07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                      |                                          | Month: October |                                          |
| <b><u>Analysis Result</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |                                          |                |                                          |
| <b>A.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>General Information About Stack</b>                                               |                                          |                |                                          |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Stack Identification No                                                              | 8 MW                                     |                |                                          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Stack Connected to                                                                   | Boiler                                   |                |                                          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Material of Construction (Stack/Duct)                                                | Mild Steel                               |                |                                          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Shape of duct                                                                        | Circular                                 |                |                                          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Whether duct is provided with permanent platform & ladder                            | Yes                                      |                |                                          |
| <b>B.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Physical characteristic of stack</b>                                              |                                          |                |                                          |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Stack Height from ground level (meter)                                               | 45                                       |                |                                          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Duct diameter at sampling point (meter)                                              | 2.08                                     |                |                                          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Sampling height point from ground level (meter)                                      | 11                                       |                |                                          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Cross sectional area of Duct/Stack (m <sup>2</sup> )                                 | 3.4                                      |                |                                          |
| <b>C.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Pollution Control Device</b>                                                      |                                          |                |                                          |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Details of pollution control device attached to stack                                | ESP                                      |                |                                          |
| <b>D.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Result of Sampling &amp; Analysis of Gaseous Emission</b>                         |                                          |                |                                          |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Date of Sampling                                                                     | -                                        |                |                                          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Ambient Temp (°C)                                                                    | -                                        |                |                                          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Stack Gas Temp (°C)                                                                  | -                                        |                |                                          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Exit Velocity of Gas (m/sec.)                                                        | -                                        |                |                                          |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Flow Rate (Nm <sup>3</sup> / sec.)                                                   | -                                        |                |                                          |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quantity of Emission (Nm <sup>3</sup> / Hr)                                          | -                                        |                |                                          |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Concentration of PM (mg/Nm <sup>3</sup> )                                            | -                                        |                |                                          |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )                               | -                                        |                |                                          |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )                               | -                                        |                |                                          |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Oxygen (O <sub>2</sub> ) (%)                                                         | -                                        |                |                                          |
| <b>E.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Remarks: Monitoring of 8MW Boiler stack has not carried out due to shut down.</b> |                                          |                |                                          |
| <b>Standard</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                      |                                          |                |                                          |
| PM - 50 mg/Nm <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                      | SO <sub>2</sub> - 600 mg/Nm <sup>3</sup> |                | NO <sub>x</sub> - 300 mg/Nm <sup>3</sup> |
| Particulate Matter (PM), Sulphur di-oxide (SO <sub>2</sub> ), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP)                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                      |                                          |                |                                          |
| <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <br/> <b>Analysis by</b> </div> <div style="text-align: center;"> <br/> <b>Checked by</b> </div> <div style="text-align: center;"> <br/> <b>Authorized Signatory</b> </div> </div> |                                                                                      |                                          |                |                                          |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                        |                           |                                |                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------|--------------------------------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>MEGHALAYA POWER LIMITED</b><br>Lumshnong, Meghalaya |                           | Document No.                   | MPL/EHS/Env/F-04               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                        |                           | Date of Issued                 | 01-05-2019                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                        |                           | Revision No.                   | 2                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FUGITIVE EMISSION MONITORING REPORT                    |                           | Revision Date                  | 01-01-2021                     |
| Ref: MPL(8MW)/ENV/FUGITIVE/MONTHLY/2023-24/07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                        |                           |                                |                                |
| Month - October                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                        |                           |                                |                                |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Location                                               | Fugitive Emission Results | As per CPCB/BIS Guideline      |                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                        |                           | Limit                          |                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                        |                           | (in $\mu\text{g}/\text{m}^3$ ) | (in $\mu\text{g}/\text{m}^3$ ) |
| 11.10.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Coal Storage Section                                   | 1247                      | 2000                           |                                |
| <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 100px;"> <div style="text-align: center;"> <br/> <b>Analyzed By</b> </div> <div style="text-align: center;"> <br/> <b>Checked By</b> </div> <div style="text-align: center;"> <br/> <b>Verified By</b> </div> </div> |                                                        |                           |                                |                                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>MEGHALAYA POWER LIMITED</b><br>Lumshnong, Meghalaya |       |            |              | Reference No.                                                                                                                                                                                           | MPL/EHS/F-04 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------|------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                        |       |            |              | Issue No.                                                                                                                                                                                               | 1            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>WATER TESTING REPORT</b>                            |       |            |              | Date of Issue:                                                                                                                                                                                          | 24.08.2013   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                        |       |            |              | Revision No.                                                                                                                                                                                            | 3            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                        |       |            | Date of Rev. | 01.06.2019                                                                                                                                                                                              |              |
| Reference No.: MPL/ENV/WATER/MONTHLY/2023-24/07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                        |       |            |              | Date of sample collection: 10.10.2023                                                                                                                                                                   |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                        |       |            |              | Date of Analysis: 10.10.2023 to 13.10.2023                                                                                                                                                              |              |
| Sl.No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Parameter                                              | Unit  | STP Inlet  | STP Outlet   | Standard Norms For Discharge of Environment Pollution<br>(Notification Date: - 19th May 1993) & Consent To Operate vide letter no. MPCB/TB-900 (Pt-II)/2014- 2015/34 - dated Shillong, the 3rd Sep,2014 |              |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | pH                                                     | -     | 7.6        | 7.8          | 5.5 to 9.0                                                                                                                                                                                              |              |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Colour                                                 | Hazen | Colourless | Colourless   | -                                                                                                                                                                                                       |              |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Odour                                                  | -     | Odourless  | Odourless    | -                                                                                                                                                                                                       |              |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Chloride                                               | mg/L  | 73         | 74.4         | -                                                                                                                                                                                                       |              |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Total Hardness as CaCO <sub>3</sub>                    | mg/L  | 51.0       | 52.2         | -                                                                                                                                                                                                       |              |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Suspended Solids                                       | mg/L  | 60         | 17.0         | 100                                                                                                                                                                                                     |              |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Total Dissolve Solids                                  | mg/L  | 256        | 299          | -                                                                                                                                                                                                       |              |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Chemical Oxygen Demand                                 | mg/L  | 170        | 55           | 250                                                                                                                                                                                                     |              |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Biochemical Oxygen Demand<br>(For 3 days at 27 °C)     | mg/L  | 78         | 18.3         | 30                                                                                                                                                                                                      |              |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Oil & Grease                                           | mg/L  | 1.0        | < 3.0        | 10                                                                                                                                                                                                      |              |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Temperature                                            | ° C   | 25         | 25           | Shall not exceed 5.0°C above the receiving water temperature                                                                                                                                            |              |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Conductivity                                           | µS/cm | 477        | 559          | -                                                                                                                                                                                                       |              |
| <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <br/> <b>Analysis By</b> </div> <div style="text-align: center;"> <br/> <b>Checked By</b> </div> <div style="text-align: center;"> <br/> <b>Verified By</b> </div> </div> |                                                        |       |            |              |                                                                                                                                                                                                         |              |

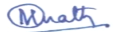
|                                                                                   |                                                        |  |              |                |              |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|--|--------------|----------------|--------------|
|  | <b>MEGHALAYA POWER LIMITED</b><br>Lumshnong, Meghalaya |  |              | Reference No.  | MPL/EHS/F-04 |
|                                                                                   |                                                        |  |              | Issue No.      | 1            |
|                                                                                   | <b>WATER TESTING REPORT</b>                            |  |              | Date of Issue: | 24.08.2013   |
|                                                                                   |                                                        |  |              | Revision No.   | 3            |
|                                                                                   |                                                        |  | Date of Rev. | 01.06.2019     |              |

|                                                 |  |  |  |                                            |  |
|-------------------------------------------------|--|--|--|--------------------------------------------|--|
| Reference No.: MPL/ENV/WATER/MONTHLY/2023-24/07 |  |  |  | Date of sample collection: 10.10.2023      |  |
|                                                 |  |  |  | Date of Analysis: 10.10.2023 to 13.10.2023 |  |

| Sl.No. | Parameter                                          | Unit | ETP Outlet | Standard Norms For Discharge of Environment Pollution<br>(Notification Date:- 19th May 1993) & Consent To Operate vide letter no. MPCB/TB-900 (Pt-II)/2014-2015/34 – dated Shillong, the 3rd SEP, 2014. |
|--------|----------------------------------------------------|------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | pH                                                 | -    | 7.3        | 5.5 to 9.0                                                                                                                                                                                              |
| 2      | Suspended Solids                                   | mg/L | 29         | 100                                                                                                                                                                                                     |
| 3      | Total Dissolve Solids                              | mg/L | 304        | -                                                                                                                                                                                                       |
| 4      | Chemical Oxygen Demand                             | mg/L | 40         | 250                                                                                                                                                                                                     |
| 5      | Biochemical Oxygen Demand<br>(For 3 days at 27 °C) | mg/L | 18         | 30                                                                                                                                                                                                      |
| 6      | Oil & Grease                                       | mg/L | <3.0       | 10                                                                                                                                                                                                      |

  
**Analysis By**

  
**Checked By**

  
**Verified By**

