

# MEGHALAYA POWER LIMITED

Corporate Office : Satyam Tower, 3 Alipore Road, 1<sup>st</sup> Floor, Unit No. 9B, Kolkata-700027

Ref: MPL (1 X 43 MW)/LUM/ EHS/2022-23/28

Dated: 23/01/2023

To,

The Member Secretary,  
Meghalaya State Pollution Control Board  
'ARDEN', Lumpynggad,  
Shillong, Meghalaya – 793014

**Subject** : Submission of Environmental Monitoring Report for the month of December, 2022.

**Reference** : MPCB/CON-64/2011/2021-2022/145, Dated. Shillong, the 22<sup>nd</sup> September, 2021.

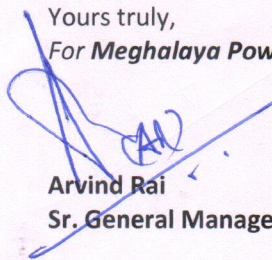
Dear Sir,

This is in reference to above cited subject, we are hereby submitting the monthly Environmental monitoring reports of Ambient Air Quality monitoring including meteorological data, Stack Emission, Fugitive Emission & Water (Ground, Surface, STP & ETP) quality monitoring reports of **M/s Meghalaya Power Limited (43 MW)** for the month of **December, 2022**.

Kindly acknowledge receipt of the same.

Thanking You,

Yours truly,  
For **Meghalaya Power Limited (43 MW)**

  
**Arvind Rai**  
Sr. General Manager Works

**Enclosed:** As mentioned above

**Copy To:** 1) The Deputy Director General of Forest (Central), Ministry of Environment Forest & Climate Change, Govt. of India, Regional Office, Shillong, Meghalaya-793021.  
2) The Regional Director, Central Pollution Control Board (CPCB), North Eastern Zonal Office, 'TUMSIR', Lower Motinagar, Shillong, Meghalaya-790314.

Regd. Office & Works: P.O. Lumshnong, East Jaintia Hills District, Meghalaya-793210, E-mail: [ehslums@starcement.co.in](mailto:ehslums@starcement.co.in)

Corporate Office: Century House, 2<sup>nd</sup> Floor, P 15/1, Taratala Road, Kolkata-700088, e-mail: [kolkata@starcement.co.in](mailto:kolkata@starcement.co.in)

CIN : U40108ML2002PL006921





## MEGHALAYA POWER LIMITED

Lumshnong, Meghalaya

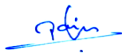
| Date (DD-MM-YYYY) | Pressure (mmHg) | Relative Humidity (%) | Temp. (C) | Wind Direction (deg) | Wind Speed- (m/s)        | Manual Rain (mm) |
|-------------------|-----------------|-----------------------|-----------|----------------------|--------------------------|------------------|
| 01-12-2022        | 761.7           | 95                    | 19.0      | 319                  | 0                        | 0                |
| 02-12-2022        | 761.5           | 95.6                  | 19.4      | 253                  | 0                        | 0                |
| 03-12-2022        | 761.4           | 95.6                  | 20.0      | 255                  | 0                        | 0                |
| 04-12-2022        | 761.4           | 95.5                  | 18.7      | 250                  | 0                        | 0                |
| 05-12-2022        | 761.9           | 95.5                  | 23.4      | 251                  | 0                        | 0                |
| 06-12-2022        | 762.5           | 95.5                  | 20.8      | 250                  | 0                        | 0                |
| 07-12-2022        | 763             | 95.1                  | 21.4      | 261                  | 0                        | 0                |
| 08-12-2022        | 763.7           | 81.2                  | 17.2      | 123                  | 0                        | 0                |
| 09-12-2022        | 764             | 63.2                  | 21.4      | 212                  | 0                        | 0                |
| 10-12-2022        | 763.9           | 59.5                  | 22.2      | 207                  | 0                        | 0                |
| 11-12-2022        | 763.2           | 64.2                  | 23.3      | 180                  | 0.3                      | 0                |
| 12-12-2022        | 762.5           | 64.5                  | 23.1      | 212                  | 2                        | 0                |
| 13-12-2022        | 762             | 63.1                  | 24.1      | 207                  | 1.8                      | 0                |
| 14-12-2022        | 761.5           | 61.2                  | 24.1      | 223                  | 1.9                      | 0                |
| 15-12-2022        | 761.5           | 65.3                  | 23.1      | 249                  | 0.5                      | 0                |
| 16-12-2022        | 761.5           | 67.2                  | 23.0      | 213                  | 0                        | 0                |
| 17-12-2022        | 761.7           | 83.2                  | 19.0      | 359                  | 0                        | 0                |
| 18-12-2022        | 761.9           | 88.1                  | 17.1      | 258                  | 0                        | 0                |
| 19-12-2022        | 762.2           | 91.1                  | 16.3      | 253                  | 0                        | 0                |
| 20-12-2022        | 762.4           | 93.4                  | 15.0      | 250                  | 0                        | 0                |
| 21-12-2022        | 762.4           | 93.2                  | 15.4      | 357                  | 0                        | 0                |
| 22-12-2022        | 762.4           | 94.3                  | 19.7      | 252                  | 0                        | 0                |
| 23-12-2022        | 762.5           | 94.0                  | 14.3      | 274                  | 0                        | 0                |
| 24-12-2022        | 762.4           | 95.0                  | 14.3      | 123                  | 0                        | 0                |
| 25-12-2022        | 763.2           | 95.5                  | 22.2      | 60                   | 1.07                     | 0                |
| 26-12-2022        | 762.5           | 95.5                  | 23.3      | 90                   | 0.72                     | 0                |
| 27-12-2022        | 762             | 95.5                  | 23.1      | 180                  | 1.28                     | 7.7              |
| 28-12-2022        | 761.5           | 95.1                  | 24.1      | 212                  | 0                        | 0                |
| 29-12-2022        | 761.5           | 81.2                  | 20.0      | 207                  | 0                        | 0                |
| 30-12-2022        | 761.5           | 83.2                  | 18.7      | 253                  | 0                        | 0                |
| 31-12-2022        | 761.7           | 88.1                  | 18.6      | 250                  | 0                        | 0                |
|                   |                 |                       |           |                      | Total rain of this month | 7.7              |

|                                                                                                                                        |                                                               |                                                                                                   |                                      |                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------|
|                                                       | <b>MEGHALAYA POWER LIMITED (43MW)</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 (43 MW)/ENV/AAQM/MONTHLY/2022-23/09                                                                                 |                                                               |                                                                                                   | Month: December'22                   |                                                                                                      |
| 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> )                                                                 |
| 01.12.2022                                                                                                                             | 48.48                                                         | 29.34                                                                                             | 8.19                                 | 12.24                                                                                                |
| 03.12.2022                                                                                                                             | 50.24                                                         | 27.31                                                                                             | 11.33                                | 14.00                                                                                                |
| 06.12.2022                                                                                                                             | 46.70                                                         | 31.84                                                                                             | 10.10                                | 13.01                                                                                                |
| 09.12.2022                                                                                                                             | 48.57                                                         | 29.34                                                                                             | 9.17                                 | 16.00                                                                                                |
| 12.12.2022                                                                                                                             | 47.40                                                         | 30.52                                                                                             | 9.65                                 | 12.36                                                                                                |
| 14.12.2022                                                                                                                             | 45.55                                                         | 26.18                                                                                             | 8.13                                 | 12.04                                                                                                |
| 16.12.2022                                                                                                                             | 46.22                                                         | 32.84                                                                                             | 9.32                                 | 11.03                                                                                                |
| 19.12.2022                                                                                                                             | 44.40                                                         | 30.34                                                                                             | 11.29                                | 15.86                                                                                                |
| NAAQS permissible limits for Rural,<br>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> )                                                                              |
| 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 |

|                                                                                                                                               |                                                               |                                                                                                   |                                      |                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------|
|                                                              | <b>MEGHALAYA POWER LIMITED (43MW)</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 (43 MW)/ENV/AAQM/MONTHLY/2022-23/09                                                                                        |                                                               |                                                                                                   | Month: December'22                   |                                                                                                      |
| 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> )                                                                 |
| 01.12.2022                                                                                                                                    | 30.55                                                         | 22.51                                                                                             | 11.30                                | 17.00                                                                                                |
| 03.12.2022                                                                                                                                    | 32.55                                                         | 21.48                                                                                             | 9.86                                 | 20.50                                                                                                |
| 06.12.2022                                                                                                                                    | 33.87                                                         | 23.81                                                                                             | 9.23                                 | 13.23                                                                                                |
| 09.12.2022                                                                                                                                    | 38.22                                                         | 24.97                                                                                             | 12.13                                | 15.13                                                                                                |
| 12.12.2022                                                                                                                                    | 35.84                                                         | 23.33                                                                                             | 10.32                                | 17.00                                                                                                |
| 14.12.2022                                                                                                                                    | 33.54                                                         | 21.79                                                                                             | 12.93                                | 14.79                                                                                                |
| 16.12.2022                                                                                                                                    | 37.77                                                         | 19.32                                                                                             | 12.49                                | 15.02                                                                                                |
| 19.12.2022                                                                                                                                    | 36.06                                                         | 17.49                                                                                             | 11.11                                | 14.04                                                                                                |
| 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> )                                                                              |
| <b>Remarks:</b> 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 (43MW)</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                                    |
| Reference No.: MPL (43 MW)/ENV/AAQM/MONTHLY/2022-23/09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                               |                                             | Date of Rev.                         |                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                               |                                             | 01.12.2020                           |                                      |
| Reference No.: MPL (43 MW)/ENV/AAQM/MONTHLY/2022-23/09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                               |                                             | Month: December'22                   |                                      |
| 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> ) |
| 01.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 49.28                                                         | 32.84                                       | 12.11                                | 15.96                                |
| 03.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 47.90                                                         | 27.42                                       | 13.65                                | 17.71                                |
| 06.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 45.59                                                         | 29.64                                       | 13.30                                | 12.71                                |
| 09.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 47.47                                                         | 33.32                                       | 11.23                                | 15.36                                |
| 12.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 51.90                                                         | 29.84                                       | 10.30                                | 14.71                                |
| 14.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 46.25                                                         | 31.49                                       | 11.30                                | 13.36                                |
| 16.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 46.90                                                         | 26.49                                       | 12.33                                | 17.59                                |
| 19.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 43.52                                                         | 25.48                                       | 9.65                                 | 12.43                                |
| 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>                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |                                             |                                      |                                      |
| <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <br/> <b>Analysed 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> |                                                               |                                             |                                      |                                      |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>MEGHALAYA POWER LIMITED (43MW)</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 (43 MW)/ENV/AAQM/MONTHLY/2022-23/02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                               |                                             | Month: December'22                   |                                      |
| 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> ) |
| 02.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 46.38                                                         | 26.18                                       | 6.84                                 | 10.60                                |
| 15.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 48.14                                                         | 24.15                                       | 9.98                                 | 12.36                                |
| 07.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 44.60                                                         | 28.68                                       | 8.75                                 | 11.37                                |
| 10.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 46.47                                                         | 26.18                                       | 7.82                                 | 14.36                                |
| 13.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 45.30                                                         | 27.36                                       | 8.30                                 | 10.72                                |
| 15.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 43.45                                                         | 23.02                                       | 6.78                                 | 10.40                                |
| 20.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 44.12                                                         | 29.68                                       | 7.97                                 | 8.38                                 |
| 22.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 42.30                                                         | 27.18                                       | 9.94                                 | 14.22                                |
| 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>                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |                                             |                                      |                                      |
| <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <br/> <b>Analysed 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> |                                                               |                                             |                                      |                                      |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>MEGHALAYA POWER LIMITED (43MW)</b><br>Lumshnong, Meghalaya |                                             | Reference No.                        | MPL/Env/F – 01                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |                                             | Issue No.                            | 1                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | GROUND LEVEL AMBIENT AIR QUALITY MONITORING REPORT            |                                             | Date of Issue:                       | 24.08.2013                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |                                             | Revision No.                         | 5                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |                                             | Date of Rev.                         | 01.12.2020                           |
| Reference No.: MPL (43 MW)/ENV/AAQM/MONTHLY/2022-23/02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                               |                                             | Month: December'22                   |                                      |
| 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> ) |
| 02.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 43.48                                                         | 25.14                                       | 4.99                                 | 7.04                                 |
| 15.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 45.24                                                         | 23.11                                       | 8.13                                 | 8.80                                 |
| 07.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 41.70                                                         | 27.64                                       | 6.90                                 | 7.81                                 |
| 10.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 43.57                                                         | 25.14                                       | 5.97                                 | 10.80                                |
| 13.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 42.40                                                         | 26.32                                       | 6.45                                 | 7.16                                 |
| 15.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 40.55                                                         | 21.98                                       | 4.93                                 | 6.84                                 |
| 20.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 41.22                                                         | 28.64                                       | 6.12                                 | 5.83                                 |
| 22.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 39.40                                                         | 26.14                                       | 8.09                                 | 10.66                                |
| 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> )              |
| Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.                                                                                                                                                                                                                                                                                                                                                                                                |                                                               |                                             |                                      |                                      |
| <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <br/> Analysed by </div> <div style="text-align: center;"> <br/> Checked by </div> <div style="text-align: center;"> <br/> Verified By </div> </div> |                                                               |                                             |                                      |                                      |

|                                                                                                                          |                                                                |                                                                                                   |                    |                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------|
|                                         | <b>MEGHALAYA POWER LIMITED (43 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(43MW)/ENV/STACK/MONTHLY/2022-23/09                                                                        |                                                                |                                                                                                   | Month: December'22 |                                                                                                               |
| <b><u>Analysis Result</u></b>                                                                                            |                                                                |                                                                                                   |                    |                                                                                                               |
| <b>A. General Information About Stack</b>                                                                                |                                                                |                                                                                                   |                    |                                                                                                               |
| 1                                                                                                                        | Stack Identification No                                        | 43 MW                                                                                             |                    |                                                                                                               |
| 2                                                                                                                        | Stack Connected to                                             | Boiler                                                                                            |                    |                                                                                                               |
| 3                                                                                                                        | Material of Construction (Stack/Duct)                          | RCC                                                                                               |                    |                                                                                                               |
| 4                                                                                                                        | Shape of duct                                                  | Circular                                                                                          |                    |                                                                                                               |
| 5                                                                                                                        | Whether duct is provided with permanent platform & ladder      | Yes                                                                                               |                    |                                                                                                               |
| <b>B. Physical characteristic of stack</b>                                                                               |                                                                |                                                                                                   |                    |                                                                                                               |
| 1                                                                                                                        | Stack Height from ground level (meter)                         | 81.0                                                                                              |                    |                                                                                                               |
| 2                                                                                                                        | Duct diameter at sampling point (meter)                        | 2.75                                                                                              |                    |                                                                                                               |
| 3                                                                                                                        | Sampling height point from ground level (meter)                | 45.5                                                                                              |                    |                                                                                                               |
| 4                                                                                                                        | Cross sectional area of Duct/Stack (m <sup>2</sup> )           | 5.94                                                                                              |                    |                                                                                                               |
| <b>C. Pollution Control Device</b>                                                                                       |                                                                |                                                                                                   |                    |                                                                                                               |
| 1                                                                                                                        | Details of pollution control device attached to stack          | ESP                                                                                               |                    |                                                                                                               |
| <b>D. Result of Sampling &amp; Analysis of Gaseous Emission</b>                                                          |                                                                |                                                                                                   |                    |                                                                                                               |
| 1                                                                                                                        | Date of Sampling                                               | 15.12.2022                                                                                        |                    |                                                                                                               |
| 2                                                                                                                        | Ambient Temp (°C)                                              | 35.00                                                                                             |                    |                                                                                                               |
| 3                                                                                                                        | Stack Gas Temp (°C)                                            | 95.00                                                                                             |                    |                                                                                                               |
| 4                                                                                                                        | Exit Velocity of Gas (m/sec.)                                  | 14.80                                                                                             |                    |                                                                                                               |
| 5                                                                                                                        | Flow Rate (Nm <sup>3</sup> / sec.)                             | 66.46                                                                                             |                    |                                                                                                               |
| 6                                                                                                                        | Quantity of Emission (Nm <sup>3</sup> / Hr)                    | 239249.66                                                                                         |                    |                                                                                                               |
| 7                                                                                                                        | Concentration of PM (mg/Nm <sup>3</sup> )                      | 24.4                                                                                              |                    |                                                                                                               |
| 8                                                                                                                        | Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )         | 335.2                                                                                             |                    |                                                                                                               |
| 9                                                                                                                        | Concentration of NO <sub>x</sub> (mg/Nm <sup>3</sup> )         | 208.1                                                                                             |                    |                                                                                                               |
| 10                                                                                                                       | Oxygen (O <sub>2</sub> ) (%)                                   | 10.4                                                                                              |                    |                                                                                                               |
| <b>E. Remarks:</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) |                                                                |                                                                                                   |                    |                                                                                                               |
| <br>Analysis by                       |                                                                | <br>Checked by |                    | <br>Authorized Signatory |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>MEGHALAYA POWER LIMITED</b><br>Lumshnong, Meghalaya |                                | Document No.                   | MPL/EHS/Env/F-04 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------|--------------------------------|------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                        |                                | Date of Issued                 | 01-05-2019       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FUGITIVE EMISSION MONITORING REPORT</b>             |                                | Revision No.                   | 2                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                        |                                | Revision Date                  | 01-01-2021       |
| Ref: MPL(43MW)/ENV/FUGITIVE/MONTHLY/2022-23/009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                        |                                |                                |                  |
| <b>Month - December 2022</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                        |                                |                                |                  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Location                                               | Fugitive Emission Results      | As per CPCB/BIS Guideline      |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                        |                                | Limit                          |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                        | (in $\mu\text{g}/\text{m}^3$ ) | (in $\mu\text{g}/\text{m}^3$ ) |                  |
| 05.12.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Coal Storage Section                                   | 1439                           | 2000                           |                  |
| <div style="display: flex; justify-content: space-around; 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>(43 MW)<br>Lumshnong, Meghalaya |                                                       |      |      | Document No.      | MPL/EHS/Env/F-03                                        |      |      |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------|------|------|-------------------|---------------------------------------------------------|------|------|-------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                   |                                                       |      |      | Date of Issued    | 01-05-2019                                              |      |      |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                   |                                                       |      |      | Revision No.      | 04                                                      |      |      |                   |
| NOISE LEVEL MONITORING REPORT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                   |                                                       |      |      | Revision Date     | 01-01-2021                                              |      |      |                   |
| Ref: MPL(43MW)/ENV/NOISE/MONTHLY/2022-23/003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                   |                                                       |      |      | Date: 07.12.2022  |                                                         |      |      |                   |
| <b>Month - December 2022</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                   |                                                       |      |      |                   |                                                         |      |      |                   |
| S. No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Location                                                          | Measured Values dB(A)<br>Day time (6:00am to 10:00pm) |      |      | Norms<br>in dB(A) | Measured Values dB(A)<br>Night time (10:00pm to 6:00am) |      |      | Norms<br>in dB(A) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                   | Min.                                                  | Max. | Avg. |                   | Min.                                                    | Max. | Avg. |                   |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Plant                                                             |                                                       |      |      |                   |                                                         |      |      |                   |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Turbine House Ground Floor                                        | 62.9                                                  | 67.4 | 65.2 | 75                | 59.1                                                    | 63.0 | 61.1 | 70                |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Turbine House 9 Mt.                                               | 59.8                                                  | 69.6 | 64.7 |                   | 56.0                                                    | 65.0 | 60.5 |                   |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | RO – MCC                                                          | 63.7                                                  | 70.1 | 66.9 |                   | 59.3                                                    | 64.1 | 61.7 |                   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Boiler Ground Floor                                               | 64.2                                                  | 69.3 | 66.8 |                   | 58.1                                                    | 64.0 | 61.1 |                   |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CHP – MCC                                                         | 63.7                                                  | 70.2 | 67.0 |                   | 52.3                                                    | 56.1 | 54.2 |                   |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Office Area                                                       | 58.0                                                  | 67.2 | 62.6 |                   | 49.8                                                    | 63.3 | 56.6 |                   |
| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <br/>       Analyzed by     </div> <div style="text-align: center;"> <br/>       Checked By     </div> <div style="text-align: center;"> <br/>       Verified By     </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/2022-23/09
 Date of sample collection: - 06.12.2022
Date of Analysis: 06.12.2022 to 09.12.2022

| 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                                              | -     | 7.1        | 7.8        | 5.5 to 9.0                                                                                                                                                                                              |
| 2      | Colour                                          | Hazen | Colourless | Colourless | -                                                                                                                                                                                                       |
| 3      | Odour                                           | -     | Odourless  | Odourless  | -                                                                                                                                                                                                       |
| 4      | Chloride                                        | mg/L  | 35         | 38         | -                                                                                                                                                                                                       |
| 5      | Total Hardness as CaCO <sub>3</sub>             | mg/L  | 83.0       | 84.2       | -                                                                                                                                                                                                       |
| 6      | Suspended Solids                                | mg/L  | 65.5       | 8.7        | 100                                                                                                                                                                                                     |
| 7      | Total Dissolve Solids                           | mg/L  | 283        | 371        | -                                                                                                                                                                                                       |
| 8      | Chemical Oxygen Demand                          | mg/L  | 135        | 27         | 250                                                                                                                                                                                                     |
| 9      | Biochemical Oxygen Demand (For 3 days at 27 °C) | mg/L  | 70         | 6          | 30                                                                                                                                                                                                      |
| 10     | Oil & Grease                                    | mg/L  | 9          | < 3.0      | 10                                                                                                                                                                                                      |
| 11     | Temperature                                     | ° C   | 25         | 25         | Shall not exceed 5.0°C above the receiving water temperature                                                                                                                                            |
| 12     | Conductivity                                    | µS/cm | 502        | 672        | -                                                                                                                                                                                                       |



Analysis By



Checked By



Verified By

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <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/2022-23/09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                        |      |              |                                                                                                                                                                                                                | Date of sample collection: - 06.12.2022<br>Date of Analysis: 06.12.2022 to 09.12.2022 |
| Sl.No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Parameter                                              | Unit | ETP Outlet   | <b>Standard Norms For Discharge of Environment Pollution</b><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                                                     | -    | 73           | 5.5 to 9.0                                                                                                                                                                                                     |                                                                                       |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Suspended Solids                                       | mg/L | 15           | 100                                                                                                                                                                                                            |                                                                                       |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Total Dissolve Solids                                  | mg/L | 235          | -                                                                                                                                                                                                              |                                                                                       |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Chemical Oxygen Demand                                 | mg/L | 38           | 250                                                                                                                                                                                                            |                                                                                       |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Biochemical Oxygen Demand (For 3 days at 27 °C)        | mg/L | 9.7          | 30                                                                                                                                                                                                             |                                                                                       |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Oil & Grease                                           | mg/L | <3.0         | 10                                                                                                                                                                                                             |                                                                                       |
| <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <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> |                                                        |      |              |                                                                                                                                                                                                                |                                                                                       |

|                                                                                                                                                                                                                                                                               | <div>MEGHALAYA POWER LIMITED</div> <div>Lumshnong, Meghalaya</div> |         |                  |             |               |             |             |            |                                   |              | Reference No.             | MPL/EHS/F-04 |                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------|------------------|-------------|---------------|-------------|-------------|------------|-----------------------------------|--------------|---------------------------|--------------|-----------------------------------|
|                                                                                                                                                                                                                                                                                                                                                               |                                                                    |         |                  |             |               |             |             |            |                                   |              | Issue No.                 | 1            |                                   |
|                                                                                                                                                                                                                                                                                                                                                               |                                                                    |         |                  |             |               |             |             |            |                                   |              | Date of Issue:            | 24.08.2013   |                                   |
|                                                                                                                                                                                                                                                                                                                                                               | WATER TESTING REPORT                                               |         |                  |             |               |             |             |            |                                   |              | Revision No.              | 3            |                                   |
|                                                                                                                                                                                                                                                                                                                                                               |                                                                    |         |                  |             |               |             |             |            |                                   | Date of Rev. | 01.06.2019                |              |                                   |
| <div>Reference No.: MPL/ENV/WATER/MONTHLY/2022-23/09</div> <div>Surface Water Analysis Results</div> <div>Month: December-2022</div> <div>Date of sample collection: - 12.12.2022</div> <div>Date of Analysis: 12.12.2022 to 15.12.2022</div>                                                                                                                 |                                                                    |         |                  |             |               |             |             |            |                                   |              |                           |              |                                   |
| S.No.                                                                                                                                                                                                                                                                                                                                                         | Parameter                                                          | Unit    | Umtyrngai Nallah |             | Umutha Nallah |             | Umso Nalah  | Seshysmpa  | Umbadoh                           | Tongseng     | Lumshnong                 | Wahiajer     | Standards norms<br>as per IS 2296 |
|                                                                                                                                                                                                                                                                                                                                                               |                                                                    |         | Up Stream        | Down Stream | Up Stream     | Down Stream | Down Stream |            | Seasonal Spring / Seasonal Nallah |              |                           |              |                                   |
| 1                                                                                                                                                                                                                                                                                                                                                             | pH                                                                 | -       | 7.5              | 7.4         | 7.3           | 7.5         | 7.8         | 7.1        | 7.7                               | 7.8          | Water Source<br>not found |              | 6.5 - 8.5                         |
| 2                                                                                                                                                                                                                                                                                                                                                             | Colour                                                             | Hazen   | Colourless       | Colourless  | Colourless    | Colourless  | Colourless  | Colourless | Colourless                        | Colourless   |                           |              | 10                                |
| 3                                                                                                                                                                                                                                                                                                                                                             | Odour                                                              | -       | Unobjectionable  |             |               |             |             |            |                                   |              |                           |              | Unobjectionable                   |
| 4                                                                                                                                                                                                                                                                                                                                                             | Chloride                                                           | mg/L    | 42.0             | 42.9        | 38.0          | 38.8        | 40.0        | 23.5       | 21.7                              | 25.4         |                           |              | 250                               |
| 5                                                                                                                                                                                                                                                                                                                                                             | Total Hardness as CaCO <sub>3</sub>                                | mg/L    | 67.8             | 70.4        | 74.1          | 74.8        | 78.9        | 42.6       | 68.7                              | 38.1         |                           |              | 300                               |
| 6                                                                                                                                                                                                                                                                                                                                                             | Suspended Solids                                                   | mg/L    | 9.0              | 8.7         | 4.7           | 6.4         | 4.2         | 6.0        | 6.0                               | 4.4          |                           |              | -                                 |
| 7                                                                                                                                                                                                                                                                                                                                                             | Total Dissolve Solids                                              | mg/L    | 235              | 237         | 182           | 183         | 195         | 95.0       | 157.4                             | 73.4         |                           |              | 500                               |
| 8                                                                                                                                                                                                                                                                                                                                                             | Biochemical Oxygen Demand<br>(For 3 days at 27 °C)                 | mg/L    | ND               | ND          | ND            | ND          | ND          | ND         | ND                                | ND           |                           |              | 2.0                               |
| 9                                                                                                                                                                                                                                                                                                                                                             | Oil & Grease                                                       | mg/L    | ND               | ND          | ND            | ND          | ND          | ND         | ND                                | ND           |                           |              | -                                 |
| 10                                                                                                                                                                                                                                                                                                                                                            | Temperature                                                        | ° C     | 25.0             | 25.0        | 25.0          | 25.0        | 25.0        | 25.0       | 25.0                              | 25.0         |                           |              | -                                 |
| 11                                                                                                                                                                                                                                                                                                                                                            | Conductivity                                                       | μS/cm   | 359              | 361         | 280           | 284         | 297         | 140        | 220                               | 115          | -                         |              |                                   |
| 12                                                                                                                                                                                                                                                                                                                                                            | Flow                                                               | L / Min | 338.8            | 395.6       | 72.3          | 135.5       | 212.5       | 57954.5    | -                                 | -            | -                         |              |                                   |
| <div>    </div> <div> <div>Analyzed by</div> <div>Checked by</div> <div>Verified by</div> </div> |                                                                    |         |                  |             |               |             |             |            |                                   |              |                           |              |                                   |