

DCBL/ENV/MoEFCC/EC/COMPL/MINES/ZUTPIMP/112022/01

Date: 05.11.2022

✓ **Additional Principal Chief Conservator of Forests**

Ministry of Environment, Forest & Climate Change  
Regional Office (West Central Zone), Ground Floor,  
East Wing, New Secretariat Building, Civil Lines Nagpur - 440001

**Sub: Half Yearly Compliance Report of Zutting (18.06 Ha), Zutting (25.28 Ha), Zutting (42.16 Ha) Limestone mines located at Korpana taluka of Chandrapur district, & Pimpri (30.33 Ha) Limestone mines located at Pimpri, Taluka – Korpana, Dist – Chandrapur Maharashtra for the period of April 2022 to September, 2022.**

**Ref: Environmental Clearance NO. SEAC-2009/CR.12/TC.2 Dated 8<sup>th</sup> July, 2010**

Dear Sir,

With respect to the subject referred above, we are submitting herewith the point wise half yearly compliance of above referred Environmental Clearance for our Zutting Pimpri Limestone Mines cluster for the period of **April 2022 to September, 2022**. Soft copy of the compliance report is sent on your email ID [ecompliance-mh@gov.in](mailto:ecompliance-mh@gov.in)

Submitted for your kind information and record please.

Thanking you

Yours Faithfully,

For **Dalmia Cement (Bharat) Limited**  
**Zutting Pimpri Limestone Mines**

  
**Subbaraidu Ayyagari**  
(Unit Head)

- CC:
1. Secretary, Environment Department, Room Number 217, 2<sup>nd</sup> Floor, Mantralaya Annexe, Mumbai 400032.
  2. The Regional Director, Central Pollution Control Board (CPCB), Regional Office, Jog Centre, 3<sup>rd</sup> Floor, Mumbai Pune Road, Wakdewadi, Pune, Maharashtra – 411003.
  3. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> and 4<sup>th</sup> floor, Opp. CineMax Theatre, Sion (E), (Mumbai) - 400 022.
  4. Regional Officer, Maharashtra Pollution Control Board (MPCB), 1<sup>st</sup> Floor, Udyog Bhawan, Railway Station Road, Chandrapur – 442401

## COMPLIANCE REPORT OF EC CONDITIONS

EC No.: SEAC-2009/CR.12/TC.2 Dated 8<sup>th</sup> July, 2010

**Name of Industry:** Dalmia Cement (Bharat) Limited, (Earlier Murli Industries Limited)

**Project Name:** Zutting (18.06 Ha), Zutting (25.28 Ha), Zutting (42.16 Ha) Limestone mines located at Korpana taluka of Chandrapur district, & Pimpri (30.33 Ha) Limestone mines located at Pimpri, Taluka – Korpana, Dist – Chandrapur.

**Compliance Period – April 2021 to March 2022**

### Compliance Report –

**Note:** Pursuant to the order dated April 05, 2017 of the National Company Law Tribunal, Mumbai Bench, Murli Industries Ltd (MIL) was admitted for corporate insolvency resolution process in accordance with Insolvency and Bankruptcy Code, 2016. The resolution plan (“Resolution Plan”) of Dalmia Cement Bharat Ltd (DCBL) has been approved by the Committee of Creditors of MIL on December 20, 2017, the National Company Law Tribunal, Mumbai Bench vide its order(s) dated July 03, 2019, July 22, 2019 and July 25, 2019 and by the National Company Law Appellate Tribunal vide its order dated January 24, 2020. Pursuant to implementation of the Resolution Plan, MIL has become a subsidiary of DCBL from September 10, 2020. Subsequently, pursuant to the order by Hon’ble National Company Law Tribunal, Mumbai Bench order dated May 05, 2022 and Chennai Bench dated June 10, 2022 (attached as Annexure-3) and implementation of the Resolution Plan dated June 30, **2022 Murli Industries Limited (MIL) merged with its holding company, Dalmia Cement (Bharat) Limited (“DCBL”) effective from 01.07.2022.** The Zutting Pimpri limestone Mines of MIL was not operational since May 2013, we have started the mines operation in August 2022.

| SN   | Terms and Conditions  | Compliances  |
|------|---|--|
| i.   | Mining activity should not intersect ground water table.  | <ul style="list-style-type: none"><li>As per our mining plan we are not intersecting the ground water table.</li></ul> |
| ii.  | Proponent should follow prevailing mines act and rules as well as other directions given by Director General of Mines safety measures.  | <ul style="list-style-type: none"><li>Noted and being followed the applicable mines act and rules.</li></ul>           |
| iii. | No change in mining technology and scope of work, preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities. | <ul style="list-style-type: none"><li>Noted and Permission will be taken if required.</li></ul>                        |

|       |  |   |
|-------|--|---|
| iv.   | No additional land in excess of said above shall be used / acquired for any activity of the project without obtaining proper permission.   | <ul style="list-style-type: none"> <li>• Noted. No additional land will be acquired/used for any activity, we will take the necessary permissions, if required.</li> </ul>  |
| v.    | Permission to draw ground water shall be obtained from the component authority prior to construction / operation of the project.   | <ul style="list-style-type: none"> <li>• We have submitted the Application to Central Ground Water Authority (CGWA) for the withdrawal of 30 KLD Ground water which is under approval stage.</li> </ul>   |
| vi.   | No change in the calendar plan including excavation, quantum of mineral and waste shall be made.   | <ul style="list-style-type: none"> <li>• Noted and will be complied</li> </ul>  |
| vii.  | Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to confirm to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May 1993 and 31 <sup>st</sup> December 1993 or as amended from time to time, oil and grease trap shall be installed before discharge of workshop effluent. | <ul style="list-style-type: none"> <li>• No industrial waste water will be generated during the mine's operation.</li> <li>• We have recently started the mines operation, domestic sewage not yet generated. In future will disposed the domestic sewage through septic tank followed by soak pit.</li> </ul>  |
| viii. | The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.  | <ul style="list-style-type: none"> <li>• Noted.</li> <li>• We have started the mines operation recently. We are conducting the ground water level monitoring of the nearby area.</li> </ul>   |
| ix.   | Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.  | <ul style="list-style-type: none"> <li>• To control fugitive dust emissions from all the sources, water sprinkling is being done on the haul road by water tanker.</li> <li>• To control the fugitive dust emission during loading and unloading of the minerals, water sprinkling will be done while loading and unloading of material and at transfer points during mines operation.</li> </ul> |
| x.    | For controlling fugitive natural dust regular sprinkling of water in vulnerable areas of the plant shall be ensured.   | <ul style="list-style-type: none"> <li>• Water sprinkling is being and will be done in vulnerable areas during mines operation.</li> </ul>  |
| xi.   | Dust fall measurement shall be periodically carried out including particle size analysis in work zone area. Results shall be submitted to the Regional Office of the Ministry and State Government.  | <ul style="list-style-type: none"> <li>• Ambient air quality monitoring at work zone area will be carried out including TPM, PM10, PM2.5 though NABL accredited laboratory.</li> </ul>  |
| xii.  | Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training & information on safety and health aspects.   | <ul style="list-style-type: none"> <li>• Personal protective equipment like Nose Mask, Ear plug provided and Regular health &amp; safety training is being</li> </ul>   |

|        |   |  |
|--------|---|--|
|        |   | imparted for the personnel working in the dusty areas as per the requirement.  |
| xiii.  | Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.  | <ul style="list-style-type: none"> <li>• Being Complied.</li> <li>• Leak detection device is not applicable as it's an open cast limestone mine.</li> </ul>  |
| xiv.   | Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per factories act.  | <ul style="list-style-type: none"> <li>• Agreed and complied.</li> </ul>   |
| xv.    | First aid room shall be provided in the project. Regular medical check-up for workers and records maintained shall be carried out.  | <ul style="list-style-type: none"> <li>• We have started the mines operation recently. We have provided the first aid boxes at various location.</li> <li>• Well-equipped occupational centre with qualified staff is established at Plant premises which is near to mines area.</li> <li>• Regular medical check-up for workers is being done as per the norms and records are being maintained.</li> </ul> |
| xvi.   | The company shall make the arrangement for protection of possible fire hazard during manufacturing process in material handling.  | <ul style="list-style-type: none"> <li>• Required fire extinguishers provided at fire prone area.</li> </ul>   |
| xvii.  | The project authorities must strictly comply with the rules and regulation with regards to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management and Handling) Rules 2003. Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.  | <ul style="list-style-type: none"> <li>• Hazardous waste not generated during compliance period.</li> <li>• Consent to operate and Authorization from the MPCB is received for the collections/treatment/ storage/disposal of hazardous wastes.</li> <li>• We will send the generated Hazardous waste (used Oil &amp; Grease) to authorized recycler.</li> </ul>   |
| xviii. | The solid waste shall be properly collected, segregated and disposed as per the provision of solid waste (management and Handling) Rules, 2000.   | <ul style="list-style-type: none"> <li>• Noted and will be complied as per the provision of solid waste (management and Handling) Rules, 2000.</li> </ul>  |
| xix.   | Regular monitoring of the air quality, including SPM & SO2 levels both in work zone and ambient air shall be carried out in and around the project area and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Controlled Board (MPCB) & submit report accordingly to MPCB. | <ul style="list-style-type: none"> <li>• Ambient air quality monitoring is being done at miens area. The results of ambient air quality monitoring are given below.</li> <li>• The monitoring reports are being submitted to the MPCB monthly, quarterly and half Yearly</li> </ul>  |

|       |   | <table><tr><th>Month</th><th>PM 2.5<br/>(ug/m3)</th><th>PM 10<br/>(ug/m3)</th><th>SO2<br/>(ug/m3)</th><th>NO2<br/>(ug/m3)</th><th>CO<br/>(mg/m3)</th></tr><tr><td>Standard</td><td>60.0</td><td>100.0</td><td>80.0</td><td>80.0</td><td>4.0</td></tr><tr><td colspan="6">Lease Boundry Zutting Mines- North Side</td></tr><tr><td>Aug-22</td><td>18.3</td><td>33.8</td><td>11.6</td><td>11.1</td><td>0.22</td></tr><tr><td>Sep-22</td><td>15.9</td><td>38.2</td><td>14.6</td><td>10.4</td><td>0.25</td></tr><tr><td colspan="6">Lease Boundry zutting Mines -East Side</td></tr><tr><td>Aug-22</td><td>19.3</td><td>43.2</td><td>9.5</td><td>13.1</td><td>0.24</td></tr><tr><td>Sep-22</td><td>13.9</td><td>34.3</td><td>15.7</td><td>11.3</td><td>0.20</td></tr><tr><td colspan="6">Lease Boundry Zutting Mines -South Side</td></tr><tr><td>Aug-22</td><td>19.2</td><td>40.4</td><td>10.7</td><td>10.2</td><td>0.21</td></tr><tr><td>Sep-22</td><td>15.7</td><td>33.4</td><td>10.6</td><td>9.4</td><td>0.23</td></tr><tr><td colspan="6">Lease Boundry Zutting Mines -West Side</td></tr><tr><td>Aug-22</td><td>22.1</td><td>39.2</td><td>9.3</td><td>10.3</td><td>0.20</td></tr><tr><td>Sep-22</td><td>20.6</td><td>35.3</td><td>13.7</td><td>10.3</td><td>0.21</td></tr></table> | Month             | PM 2.5<br>(ug/m3) | PM 10<br>(ug/m3) | SO2<br>(ug/m3) | NO2<br>(ug/m3) | CO<br>(mg/m3) | Standard | 60.0 | 100.0 | 80.0 | 80.0 | 4.0 | Lease Boundry Zutting Mines- North Side |  |  |  |  |  | Aug-22 | 18.3 | 33.8 | 11.6 | 11.1 | 0.22 | Sep-22 | 15.9 | 38.2 | 14.6 | 10.4 | 0.25 | Lease Boundry zutting Mines -East Side |  |  |  |  |  | Aug-22 | 19.3 | 43.2 | 9.5 | 13.1 | 0.24 | Sep-22 | 13.9 | 34.3 | 15.7 | 11.3 | 0.20 | Lease Boundry Zutting Mines -South Side |  |  |  |  |  | Aug-22 | 19.2 | 40.4 | 10.7 | 10.2 | 0.21 | Sep-22 | 15.7 | 33.4 | 10.6 | 9.4 | 0.23 | Lease Boundry Zutting Mines -West Side |  |  |  |  |  | Aug-22 | 22.1 | 39.2 | 9.3 | 10.3 | 0.20 | Sep-22 | 20.6 | 35.3 | 13.7 | 10.3 | 0.21 |
|-------|---|--|-------------------|-------------------|------------------|----------------|----------------|---------------|----------|------|-------|------|------|-----|---|--|--|--|--|--|--------|------|------|------|------|------|--------|------|------|------|------|------|--|--|--|--|--|--|--------|------|------|-----|------|------|--------|------|------|------|------|------|---|--|--|--|--|--|--------|------|------|------|------|------|--------|------|------|------|-----|------|--|--|--|--|--|--|--------|------|------|-----|------|------|--------|------|------|------|------|------|
|       |   | Month  | PM 2.5<br>(ug/m3) | PM 10<br>(ug/m3)  | SO2<br>(ug/m3)   | NO2<br>(ug/m3) | CO<br>(mg/m3)  |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Standard   | 60.0              | 100.0             | 80.0             | 80.0           | 4.0            |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Lease Boundry Zutting Mines- North Side  |                   |                   |                  |                |                |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Aug-22   | 18.3              | 33.8              | 11.6             | 11.1           | 0.22           |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Sep-22   | 15.9              | 38.2              | 14.6             | 10.4           | 0.25           |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Lease Boundry zutting Mines -East Side   |                   |                   |                  |                |                |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Aug-22   | 19.3              | 43.2              | 9.5              | 13.1           | 0.24           |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Sep-22   | 13.9              | 34.3              | 15.7             | 11.3           | 0.20           |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Lease Boundry Zutting Mines -South Side  |                   |                   |                  |                |                |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Aug-22   | 19.2              | 40.4              | 10.7             | 10.2           | 0.21           |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Sep-22   | 15.7              | 33.4              | 10.6             | 9.4            | 0.23           |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Lease Boundry Zutting Mines -West Side   |                   |                   |                  |                |                |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Aug-22   | 22.1              | 39.2              | 9.3              | 10.3           | 0.20           |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
|       |   | Sep-22   | 20.6              | 35.3              | 13.7             | 10.3           | 0.21           |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
| xx.   | Periodic monitoring of ground water shall be undertaken and results analysed to ascertain any change in the quality of water. Result shall be regularly submitted to Maharashtra Pollution Control Board. | <ul style="list-style-type: none"><li>Noted and being complied.</li><li>Ground water quality monitoring report of the borewell near to Mines is enclosed as Annexure -01.</li></ul>  |                   |                   |                  |                |                |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
| xxi.  | The diesel generator sets to be used during construction phase should be low sulphur diesel type and should confirm to Environments (Protection) Rules prescribed for air and noise emission standards.   | <ul style="list-style-type: none"><li>Noted and will be complied if required</li></ul>   |                   |                   |                  |                |                |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |
| xxii. | The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosive shall be taken.  | <ul style="list-style-type: none"><li>Noted and will be complied as applicable.</li></ul>  |                   |                   |                  |                |                |               |          |      |       |      |      |     |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |      |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |   |  |  |  |  |  |        |      |      |      |      |      |        |      |      |      |     |      |  |  |  |  |  |  |        |      |      |     |      |      |        |      |      |      |      |      |

| xxiii.  | Vehicle hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should confirm to applicable air and noise emission standards and should be operated only during non-peak hours.  | <ul style="list-style-type: none"><li>Vehicle with PUC and fitness certificate is being and will be allowed inside the mines premises for mines operation.</li></ul>   |            |          |                            |          |                            |          |                            |  |                           |  |          |            |          |            |          |            |          |            |  |                          |         |         |         |         |         |         |         |         |   |        |      |      |      |      |      |      |    |      |   |        |      |      |      |      |      |      |      |      |
|---------|--|--|------------|----------|----------------------------|----------|----------------------------|----------|----------------------------|--|---------------------------|--|----------|------------|----------|------------|----------|------------|----------|------------|--|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---|--------|------|------|------|------|------|------|----|------|---|--------|------|------|------|------|------|------|------|------|
| xxiv.   | Leq. of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like ear plug etc. shall be provided.   | <ul style="list-style-type: none"><li>Regular noise level monitoring is being done at Mines area. Required personal protective equipment like Ear Plug/ ear muff will be provided.</li><li>The summary of Noise level monitoring is given below.</li></ul> <table><tr><th rowspan="2">Sr. No.</th><th rowspan="2">Location</th><th colspan="2">Mines Lease Boundary North</th><th colspan="2">Mines Lease Boundary East</th><th colspan="2">Mines Lease Boundary South</th><th colspan="2">Mines Lease Boundary West</th></tr><tr><th>Day Time</th><th>Night Time</th><th>Day Time</th><th>Night Time</th><th>Day Time</th><th>Night Time</th><th>Day Time</th><th>Night Time</th></tr><tr><td></td><td>Standard-Industrial Area</td><td>75 (dB)</td><td>70 (dB)</td><td>75 (dB)</td><td>70 (dB)</td><td>75 (dB)</td><td>70 (dB)</td><td>75 (dB)</td><td>70 (dB)</td></tr><tr><td>1</td><td>Aug-22</td><td>59.2</td><td>49.8</td><td>60.4</td><td>51.2</td><td>56.1</td><td>48.4</td><td>58</td><td>46.5</td></tr><tr><td>2</td><td>Sep-22</td><td>58.2</td><td>44.8</td><td>51.6</td><td>45.3</td><td>62.5</td><td>43.5</td><td>54.7</td><td>44.8</td></tr></table> | Sr. No.    | Location | Mines Lease Boundary North |          | Mines Lease Boundary East  |          | Mines Lease Boundary South |  | Mines Lease Boundary West |  | Day Time | Night Time | Day Time | Night Time | Day Time | Night Time | Day Time | Night Time |  | Standard-Industrial Area | 75 (dB) | 70 (dB) | 75 (dB) | 70 (dB) | 75 (dB) | 70 (dB) | 75 (dB) | 70 (dB) | 1 | Aug-22 | 59.2 | 49.8 | 60.4 | 51.2 | 56.1 | 48.4 | 58 | 46.5 | 2 | Sep-22 | 58.2 | 44.8 | 51.6 | 45.3 | 62.5 | 43.5 | 54.7 | 44.8 |
| Sr. No. | Location   | Mines Lease Boundary North   |            |          | Mines Lease Boundary East  |          | Mines Lease Boundary South |          | Mines Lease Boundary West  |  |                           |  |          |            |          |            |          |            |          |            |  |                          |         |         |         |         |         |         |         |         |   |        |      |      |      |      |      |      |    |      |   |        |      |      |      |      |      |      |      |      |
|         |  | Day Time   | Night Time | Day Time | Night Time                 | Day Time | Night Time                 | Day Time | Night Time                 |  |                           |  |          |            |          |            |          |            |          |            |  |                          |         |         |         |         |         |         |         |         |   |        |      |      |      |      |      |      |    |      |   |        |      |      |      |      |      |      |      |      |
|         | Standard-Industrial Area   | 75 (dB)  | 70 (dB)    | 75 (dB)  | 70 (dB)                    | 75 (dB)  | 70 (dB)                    | 75 (dB)  | 70 (dB)                    |  |                           |  |          |            |          |            |          |            |          |            |  |                          |         |         |         |         |         |         |         |         |   |        |      |      |      |      |      |      |    |      |   |        |      |      |      |      |      |      |      |      |
| 1       | Aug-22   | 59.2   | 49.8       | 60.4     | 51.2                       | 56.1     | 48.4                       | 58       | 46.5                       |  |                           |  |          |            |          |            |          |            |          |            |  |                          |         |         |         |         |         |         |         |         |   |        |      |      |      |      |      |      |    |      |   |        |      |      |      |      |      |      |      |      |
| 2       | Sep-22   | 58.2   | 44.8       | 51.6     | 45.3                       | 62.5     | 43.5                       | 54.7     | 44.8                       |  |                           |  |          |            |          |            |          |            |          |            |  |                          |         |         |         |         |         |         |         |         |   |        |      |      |      |      |      |      |    |      |   |        |      |      |      |      |      |      |      |      |
| xxv.    | The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosure etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act 1986 rules 1989.    | <ul style="list-style-type: none"><li>Regular ambient noise level monitoring is being done at Mines area, the noise level at mines area is below permissible limit.</li><li>Acoustic enclosures, hoods will be provided wherever applicable.</li></ul>   |            |          |                            |          |                            |          |                            |  |                           |  |          |            |          |            |          |            |          |            |  |                          |         |         |         |         |         |         |         |         |   |        |      |      |      |      |      |      |    |      |   |        |      |      |      |      |      |      |      |      |
| xxvi.   | Land use pattern of the nearby villages shall be studied and action plan for abatement and compensation for damage to agricultural land / common property land (if any) in the nearby villages due to mining activity shall be submitted to the Regional office of the Ministry within six months. Annual status of implementation of the plan and | <ul style="list-style-type: none"><li>Complied</li></ul>   |            |          |                            |          |                            |          |                            |  |                           |  |          |            |          |            |          |            |          |            |  |                          |         |         |         |         |         |         |         |         |   |        |      |      |      |      |      |      |    |      |   |        |      |      |      |      |      |      |      |      |

|         |  |   |
|---------|--|---|
|         | expenditure thereon shall be reported to the Government of Maharashtra.  |   |
| xxvii.  | Maintenance of village roads through which transportation of ores are undertaken shall be carried out by the company regularly at its own expense. The road shall be black topped.   | <ul style="list-style-type: none"> <li>• Village road is not being / will be used for transportation of mineral, however haul road inside the mines will be repaired as per requirement.</li> </ul>   |
| xxviii. | Rainwater harvesting shall be done undertaken to recharge the ground water source. Status of implementation shall be submitted to the Govt. of Maharashtra within six months and thereafter every year from the next consequent year.  | <ul style="list-style-type: none"> <li>• The surface run off of rain water will be collected in the mining pit once we start the mining operation.</li> <li>• Rain water harvesting structure will be installed at mines area for the ground water recharge.</li> </ul>   |
| xxix.   | Measures for preventing and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material and thick plantation of native trees and shrub shall be carried out at the dump slopes. Dumps shall be protected by retaining wall.   | <ul style="list-style-type: none"> <li>• Native species plantation is being done at mines lease boundary and will be done on the OB dump to prevent the soil erosion and surface runoff.</li> <li>• Retaining wall will be provided to protect the Dumps.</li> </ul>  |
| xxx.    | <p>Trenches / garland drains shall be constructed at foot of dumps and coco filters installed at regular interval to arrest silt from being carried to water bodies. Adequate number of check Dams and Gully Plugs shall be constructed across seasonal / perennial nallahs (if any) flowing through the ML area and silts arrested. De-silting at regular intervals shall be carried out.</p> <p>Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50-year data) and maximum discharge retention period to allow proper setting of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilting at regular intervals.</p> | <ul style="list-style-type: none"> <li>• Trenches / garland drains construction provided at identified dumps site to arrest silt from being carried with water bodies.</li> <li>• No seasonal nallah inside the mines Lease area.</li> <li>• Siltation pond provided for the de-siltation of surface runoff</li> <li>• Garland drain provided for mines pit.</li> </ul> |
| xxxi.   | Prior permission from the competent authority shall be obtained for extraction of ground water, if any.  | <ul style="list-style-type: none"> <li>• Noted.</li> </ul>  |

|         |  |   |
|---------|--|---|
|         |  | <ul style="list-style-type: none"> <li>We have submitted the application of the Ground Water NOC to Central ground water Board vide application number – which is under approval stage.</li> </ul>  |
| xxxii.  | Ground water in the core zone shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the regional office of the Ministry regularly. Further, monitoring points shall be located between the mine and drainage in the direction of flow of ground water shall be set up and records maintained.  | <ul style="list-style-type: none"> <li>Regular ground water level monitoring and ground water quality monitoring is being done and reports are enclosed as <b>Annexure -01</b>.</li> </ul>  |
| xxxiii. | Cultivable waste land (within 5 km of the lease) shall be identified and fodder farming or other suitable production use of waste land shall be taken up in phased manner. Status of implementation shall be submitted to the Govt. of Maharashtra.  | <ul style="list-style-type: none"> <li>Cultivable waste land within 5 km radius of the lease is being identified and will be developed in phase manner.</li> </ul>  |
| xxxiv.  | Shelter Belt i.e. Wind Break of 30 m width and consisting of at least 5 tiers around lease facing the school / agricultural fields/ human habitation etc. (if an in the vicinity) shall be raised.   | <ul style="list-style-type: none"> <li>Plantation along the lease boundary is under progress to comply the condition.</li> </ul>  |
| xxxv.   | Monitoring of soil samples for assessment of transformation to acidic state or contamination due to mining activity (as applicable) shall be regularly conducted and records maintained.   | <ul style="list-style-type: none"> <li>Noted</li> <li>Regular soil quality monitoring is being done and the records are being maintained.</li> </ul>  |
| xxxvi.  | Transportation of ore shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of ore /dust takes place.  | <ul style="list-style-type: none"> <li>Noted.</li> <li>The transportation of the ore is being / will be done through tarpaulin covered trucks.</li> </ul>   |
| xxvii.  | Occupational health and safety measures for the workers including identification of work-related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. The company shall engage a fulltime qualified doctor who is trained in occupational health. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. | <ul style="list-style-type: none"> <li>Regular periodic medical check-ups for the persons engaged in the mines is being done.</li> <li>However, dispensary is established at the plant site with medical practitioner.</li> <li>Company ambulance is available to shift the casualty in case of serious condition.</li> </ul> |



|         |   |   |
|---------|---|---|
|         | Awareness programme for workers on impact of mining on their health and precautionary measures like use of personnel equipments etc. shall be carried out periodically. Review of impact of various health measures undertaken (at interval of five years or less) shall be conducted follow up action wherever required.   | <ul style="list-style-type: none"> <li>For occupational health and safety measures periodical health check-up is being carried out by medical practitioner at plant site.</li> </ul>  |
| xxviii. | Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation of mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.   | <ul style="list-style-type: none"> <li>Top soil is being / will be stacked properly with proper slope and adequate safeguards. The top soil will be utilized for backfilling and reclamation of mined out area.</li> <li>The topsoil in the mining area striped and preserved along the mine lease boundary. Plantation will be carried out for its stability. The same top soil will be back filled for reclamation stage of mining.</li> <li>Overburden (OB) will be stacked at designated place separately.</li> </ul>   |
| xxix.   | Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitation areas shall continue until the vegetation becomes self – sustaining. Compliance status shall be submitted to the ministry of Environment & Forest on six monthly basis. | <ul style="list-style-type: none"> <li>The Over burden (OB) generated during mines operation will be stacked at earmarked dump site(s) as per mining plan and will not be kept active for long period.</li> <li>The OB dumps will be vegetated scientifically with suitable native species to prevent erosion and surface run off.</li> <li>Continuous monitoring and management of rehabilitation areas will be done to maintain the vegetation to make it self – sustaining.</li> <li>Compliance status of the same will be submitted to the MoEF&amp;CC on half yearly basis.</li> </ul> |
| xl.     | Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.  | <ul style="list-style-type: none"> <li>Slope of the mining bench and ultimate pit limit will be maintained as per approved mining plan.</li> </ul>  |
| xli.    | Adequate plantation shall be raised in the ML area, haul road, OB dump sites etc. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agricultural Department. Herbs and shrubs shall also  | <ul style="list-style-type: none"> <li>Noted. Being complied and will be complied.</li> <li>After acquisition of the MIL group, we have recent the mines recently. We have started the plantation in the mining lease area.</li> </ul>  |

|        |   |   |
|--------|---|---|
|        | form a part of afforestation programme besides tree plantation. The company shall involve local people with the help of self-help group for plantation programme. Details of year-wise afforestation programme including rehabilitation of mine out area shall be submitted to the Govt. of Maharashtra every year.   | <ul style="list-style-type: none"> <li>Local species are being selected for the plantation.</li> <li>The Self-help groups are engaged in the plantation at nearby villages and around the mines area.</li> </ul>  |
| xlii.  | Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year. Pre-monsoon (April-May), monsoon (August), post monsoon (November) and Winter (January) and the data thus collected shall be regularly sent to MPCB, Central Ground Water Authority and Regional Director, Central Ground Water Board.  | <ul style="list-style-type: none"> <li>Regular ground water level and quality monitoring is being conducted in and around mining lease area.</li> <li>Quarterly ground water quality monitoring reports being and will be submitted to MPCB, CGWA &amp; Regional Director CGWB.</li> </ul>  |
| xlili. | Vehicular emissions shall be kept under control and regularly monitored. Vehicle used for transportation of ores and others shall have valid permissions as prescribed under central Motor Vehicle Rules, 1989 and its amendments. Transportation of ore shall be done only during the day time. The vehicles transporting ores shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of ores for transportation shall be committed. The trucks transporting ore shall not pass through wild life sanctuary. | <ul style="list-style-type: none"> <li>Only PUC certified vehicles will be used for mining excavation and transportation.</li> <li>Vehicles transporting ore is being and will be done in covered through Tarpaulin to control dust emission.</li> <li>No overloading of ores will be done for mineral transportation.</li> <li>No wild life sanctuary located near to mining lease area</li> </ul> |
| xliv.  | Action plan with respect to suggestions/ improvements and recommendation made during public consultation / hearing shall be submitted to the Ministry and the STATE Govt. within six months.  | <ul style="list-style-type: none"> <li>Action plan with respect to suggestions/ improvements and recommendation made during consultation / hearing has been compiled in final EIA report.</li> </ul>  |
| xl.    | A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Ministry of Environment & Forest, 5 year in advance of final mine closure for approval.   | <ul style="list-style-type: none"> <li>Mine closure plan submitted to ministry along with approved mine plan.</li> </ul>  |
| xlvi.  | Separate funds shall be allocated for implementation of environmental protection measures / EMP along with item-wise break up. These costs shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other   | <ul style="list-style-type: none"> <li>After acquisition, we have started the mining operation recently, we will submit the year wise expenditure towards environmental protection to the MPCB and Ministry of MOEF.</li> </ul>   |

|       |   |  |
|-------|---|--|
|       | purposes and year wise expenditure should report to the MPCB & this department.   | <ul style="list-style-type: none"> <li>Fund earmarked for environmental protection measures will be kept in separate account.</li> </ul>   |
| xlvi. | The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://envis.maharashtra.gov.in">http://envis.maharashtra.gov.in</a> | <ul style="list-style-type: none"> <li>Complied</li> </ul>   |
| xlvi. | Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to MPCB & this department, on 1st June & 1st December of each calendar year.  | <ul style="list-style-type: none"> <li>Half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions is being submitted in hard &amp; soft copies to MPCB &amp; this department on given time.</li> <li>The last Half Yearly compliance report for the period of October 21 to March 22 was submitted vide Letter No MIL/ENV/MoEFCC / ZP-MINES/EC/COMPL/052022/04 Dated: 16.05.2022.</li> </ul> |
| xli.  | Six monthly monitoring reports should be submitted to the department and MPCB.  | <ul style="list-style-type: none"> <li>Six monthly Monitoring reports submitted to the MPCB and this department with half yearly EC compliance report.</li> </ul>  |
| i.    | The project proponent during their inspection should give officials from the MPCB who would be monitoring the implementation of environmental safeguard full cooperation, facilities and documents/data. A complete set of all the documents submitted to department should be forwarded to the MPCB.   | <ul style="list-style-type: none"> <li>Noted and will be complied.</li> </ul>  |
| ii.   | In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by SEAC & SEIAA.  | <ul style="list-style-type: none"> <li>Noted.</li> </ul>   |

## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/271B/12

**MURLI INDUSTRIES LTD.**

Village-Naranda Taluka-Korpana, Dist-Chandrapur korpana road Maharashtra-442916

Reporting Date : 21/05/2022



### SAMPLE DETAILS

Lab ID: Lab/271B/12  
Sample Drawn By: Laboratory Representative  
Sample Type: Water  
Sample Description: G.W Temporary Hument Borewell  
Sample Quantity: 3L  
Sample Condition: Satisfactory

Sampling Date: 12/05/2022  
Sample Receipt Date: 14/05/2022  
Analysis Start Date: 14/05/2022  
Analysis End Date: 21/05/2022  
Sampling Method: IS 3025 (pt-01)/APHA 1060  
Packing: Sealed

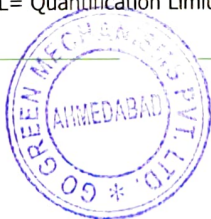
Specification:

| Sr.No | Parameters                          | Results | Unit  | Test Method                          | AL         | PL            |
|-------|-------------------------------------|---------|-------|--------------------------------------|------------|---------------|
| 1     | pH at 25 °C                         | 7.32    | -     | IS 3025-Part 11                      | 6.5 to 8.5 | No Relaxation |
| 2     | Alkalinity as CaCO <sub>3</sub>     | 178.00  | mg/L  | APHA 23rd Edn 2320 B                 | 200        | 600           |
| 3     | Chloride                            | 98.97   | mg/L  | IS 3025 -Part 32                     | 250        | 1000          |
| 4     | Conductivity                        | 912.5   | µs/cm | IS 3025 Part 14                      | NS         | NS            |
| 5     | Fluoride (F)                        | 0.2024  | mg/L  | APHA 23rd Edn 4500 F D               | 1          | 1.5           |
| 6     | Nitrate                             | 0.6809  | mg/L  | IS 3025-Part 34                      | 45         | No Relaxation |
| 7     | Sulphate                            | 141.14  | mg/L  | APHA 23rd Edn 4500 SO <sub>4</sub> E | 200        | 400           |
| 8     | Total Dissolved Solids              | 612.00  | mg/L  | APHA 23rd Edn 2540 C                 | 500        | 2000          |
| 9     | Total Hardness as CaCO <sub>3</sub> | 325.00  | mg/L  | APHA 23rd Edn 2340 C                 | 200        | 600           |
| 10    | Iron as Fe                          | 0.098   | mg/L  | APHA 23rd Edn 3120 B                 | 0.3        | No Relaxation |

AL and PL = As Per IS 10500

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

Analyzed By  
Krima Solanki



Authorized Signatory  
Tantan Kumar

Page No : 1/1

#### Terms & Conditions :

This test report document no GGMPL/271B/12 shall not be reproduced except in full, without written approval from Go Green Mechanisms Pvt. Ltd. Test results furnished herein this report to the sample received Report cannot be used as an evidence anywhere without prior permission. Total liability of our institution is limited to the invoiced amount. Endorsement of products is neither inferred nor implied. The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the client or by a third party acting at the client's direction. The findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. This document is issued by the Company under its General Conditions of Service available on request. Attention is drawn to the limited liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the company's findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample (s) tested and such sample(s) are retained for 7 days (in case of perishable items) and 15 days for air/water/hazardous waste samples and 30 days for soil samples. The samples from regulatory bodies are to be retained as specified. This document cannot be reproduced except in full, without prior written approval of the company. Any dispute arising out of this test report is subject to Ahmedabad jurisdiction.

## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/271B/11

**MURLI INDUSTRIES LTD.**

Village-Naranda Taluka-Korpana, Dist-Chandrapur korpana road Maharashtra-442916

Reporting Date : 21/05/2022



TC-7073

### SAMPLE DETAILS

|                     |                           |                      |                           |
|---------------------|---------------------------|----------------------|---------------------------|
| Lab ID:             | Lab/271B/11               | Sampling Date:       | 12/05/2022                |
| Sample Drawn By:    | Laboratory Representative | Sample Receipt Date: | 14/05/2022                |
| Sample Type:        | Water                     | Analysis Start Date: | 14/05/2022                |
| Sample Description: | G.W Highway Gate B/W      | Analysis End Date:   | 21/05/2022                |
| Sample Quantity:    | 3L                        | Sampling Method:     | IS 3025 (pt-01)/APHA 1060 |
| Sample Condition:   | Satisfactory              | Packing:             | Sealed                    |

Specification:

| Sr.No | Parameters                          | Results | Unit  | Test Method                          | AL         | PL            |
|-------|-------------------------------------|---------|-------|--------------------------------------|------------|---------------|
| 1     | pH at 25 °C                         | 7.38    | -     | IS 3025-Part 11                      | 6.5 to 8.5 | No Relaxation |
| 2     | Alkalinity as CaCO <sub>3</sub>     | 185.00  | mg/L  | APHA 23rd Edn 2320 B                 | 200        | 600           |
| 3     | Chloride                            | 107.47  | mg/L  | IS 3025 -Part 32                     | 250        | 1000          |
| 4     | Conductivity                        | 948.9   | µs/cm | IS 3025 Part 14                      | NS         | NS            |
| 5     | Fluoride (F)                        | 0.2622  | mg/L  | APHA 23rd Edn 4500 F D               | 1          | 1.5           |
| 6     | Nitrate                             | 3.12    | mg/L  | IS 3025-Part 34                      | 45         | No Relaxation |
| 7     | Sulphate                            | 149.38  | mg/L  | APHA 23rd Edn 4500 SO <sub>4</sub> E | 200        | 400           |
| 8     | Total Dissolved Solids              | 634.00  | mg/L  | APHA 23rd Edn 2540 C                 | 500        | 2000          |
| 9     | Total Hardness as CaCO <sub>3</sub> | 310.00  | mg/L  | APHA 23rd Edn 2340 C                 | 200        | 600           |
| 10    | Iron as Fe                          | 0.162   | mg/L  | APHA 23rd Edn 3120 B                 | 0.3        | No Relaxation |

AL and PL = As Per IS 10500

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit



Analyzed By  
Krima Solanki




Authorized Signatory  
Tantan Kumar

Page No : 1/1

#### Terms & Conditions :

This test report document no GGMPL/17/7705 shall not be reproduced except in full, without written approval from Go Green Mechanisms Pvt. Ltd. Test results furnished herein this report to the sample received Report cannot be used as an evidence anywhere without prior permission. Total liability of our institution is limited to the invoiced amount. Endorsement of products is neither inferred nor implied. The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the client or by a third party acting at the client's direction. The findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. This document is issued by the Company under its General Conditions of Service available on request. Attention is drawn to the limited liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the company's findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample (s) tested and such sample(s) are retained for 7 days (for case of perishable items) and 15 days for air/water/hazardous waste samples and 30 days for soil samples. The samples from regulatory bodies are to be retained as specified. This document cannot be reproduced except in full, without prior written approval of the company. Any dispute arising out of this test report is subject to Ahmedabad jurisdiction.



## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/964B/01/22

Dalmia Cement Bharat Limited Unit Chandrapur Cement Works  
(Earlier Murli Industries Ltd).

Village-Naranda Taluka-Korpana, Dist-Chandrapur korapana road Maharashtra-442916

Reporting Date : 23/08/2022



### SAMPLE DETAILS

|                     |                           |                      |                          |
|---------------------|---------------------------|----------------------|--------------------------|
| Lab ID:             | Lab/964B/01/22            | Sampling Date:       | 10/08/2022               |
| Sample Drawn By:    | Laboratory Representative | Sample Receipt Date: | 11/08/2022               |
| Sample Type:        | Water                     | Analysis Start Date: | 12/08/2022               |
| Sample Description: | GW.-Tempory Hutment Area  | Analysis End Date:   | 22/08/2022               |
| Sample Quantity:    | 2 L                       | Sampling Method:     | IS 3025(pt-01)/APHA 1060 |
| Sample Condition:   | Satisfactory              | Packing:             | Sealed                   |

Specification:

| Sr.No | Parameters                          | Results | Unit  | Test Method                          | AL         | PL            |
|-------|-------------------------------------|---------|-------|--------------------------------------|------------|---------------|
| 1     | pH at 25 °C                         | 7.48    | -     | IS 3025-Part 11                      | 6.5 to 8.5 | No Relaxation |
| 2     | Alkalinity as CaCO <sub>3</sub>     | 164.00  | mg/L  | APHA 23rd Edn 2320 B                 | 200        | 600           |
| 3     | Chloride                            | 116.96  | mg/L  | IS 3025 -Part 32                     | 250        | 1000          |
| 4     | Conductivity                        | 1141.38 | µs/cm | IS 3025 Part 14                      | NS         | NS            |
| 5     | Fluoride (F)                        | 0.21    | mg/L  | APHA 23rd Edn 4500 F D               | 1          | 1.5           |
| 6     | Nitrate                             | 1.28    | mg/L  | IS 3025-Part 34                      | 45         | No Relaxation |
| 7     | Sulphate                            | 142.48  | mg/L  | APHA 23rd Edn 4500 SO <sub>4</sub> E | 200        | 400           |
| 8     | Total Dissolved Solids              | 662.00  | mg/L  | APHA 23rd Edn 2540 C                 | 500        | 2000          |
| 9     | Total Hardness as CaCO <sub>3</sub> | 382.00  | mg/L  | APHA 23rd Edn 2340 C                 | 200        | 600           |
| 10    | Iron as Fe                          | 0.086   | mg/L  | APHA 23rd Edn 3120 B                 | 0.3        | No Relaxation |

AL and PL as per IS 10500

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

*Jhanvi*  
Analyzed By  
Jhanvi Chhasatiya



*Tantan*  
Authorized Signatory  
Tantan Kumar

Page No : 1/1

#### Terms & Conditions :

This test report document no GGMPL/F7/7/05 shall not be reproduced except in full, without written approval from Go Green Mechanisms Pvt. Ltd. Test results furnished herein this report to the sample received. Report cannot be used as an evidence anywhere without prior permission. Total liability of our institution is limited to the invoiced amount. Endorsement of products is neither inferred nor implied. The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the client or by a third party acting at the client's direction. The findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. This document is issued by the Company under its General Conditions of Service available on request. Attention is drawn to the limited of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the company's findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample (s) tested and such sample(s) are retained for 7 days (in case of perishable items) and 15 days for air/ water/hazardous waste samples and 30 days for soil samples. The samples from regulatory bodies are to be retained as specified. This document cannot be reproduced except in full, without prior written approval of the company. Any dispute arising out of this test report is subject to Ahmedabad jurisdiction.

## CERTIFICATE OF ANALYSIS

Report Number: GGMPL/964B/01/21

Dalmia Cement Bharat Limited Unit Chandrapur Cement Works  
(Earlier Murli Industries Ltd).

Village-Naranda Taluka-Korpana, Dist-Chandrapur korapana road Maharashtra-  
442916

Reporting Date : 23/08/2022



### SAMPLE DETAILS

Lab ID: Lab/964B/01/21  
Sample Drawn By: Laboratory Representative  
Sample Type: Water  
Sample Description: GW.-Gate Highway Borewell  
Sample Quantity: 2 L  
Sample Condition: Satisfactory

Sampling Date: 10/08/2022  
Sample Receipt Date: 11/08/2022  
Analysis Start Date: 12/08/2022  
Analysis End Date: 22/08/2022  
Sampling Method: IS 3025 (Pt-01)/APHA 1060  
Packing: Sealed

Specification:

| Sr.No | Parameters                          | Results | Unit  | Test Method                          | AL         | PL            |
|-------|-------------------------------------|---------|-------|--------------------------------------|------------|---------------|
| 1     | pH at 25 °C                         | 7.58    | -     | IS 3025-Part 11                      | 6.5 to 8.5 | No Relaxation |
| 2     | Alkalinity as CaCO <sub>3</sub>     | 172.00  | mg/L  | APHA 23rd Edn 2320 B                 | 200        | 600           |
| 3     | Chloride                            | 108.97  | mg/L  | IS 3025 -Part 32                     | 250        | 1000          |
| 4     | Conductivity                        | 1055.17 | µs/cm | IS 3025 Part 14                      | NS         | NS            |
| 5     | Fluoride (F)                        | 0.26    | mg/L  | APHA 23rd Edn 4500 F D               | 1          | 1.5           |
| 6     | Nitrate                             | 2.32    | mg/L  | IS 3025-Part 34                      | 45         | No Relaxation |
| 7     | Sulphate                            | 136.19  | mg/L  | APHA 23rd Edn 4500 SO <sub>4</sub> E | 200        | 400           |
| 8     | Total Dissolved Solids              | 612.00  | mg/L  | APHA 23rd Edn 2540 C                 | 500        | 2000          |
| 9     | Total Hardness as CaCO <sub>3</sub> | 354.00  | mg/L  | APHA 23rd Edn 2340 C                 | 200        | 600           |
| 10    | Iron as Fe                          | 0.13    | mg/L  | APHA 23rd Edn 3120 B                 | 0.3        | 600           |

AL and PL as per IS 10500

NS=Not Specified, BQL=Below Quantification Limit, QL= Quantification Limit

*Jhanvi*

Analyzed By  
Jhanvi Chhasatiya



*Tantan*

Authorized Signatory  
Tantan Kumar

Page No : 1/1

#### Terms & Conditions :

This test report document no GGMPL/964B/01/21 shall not be reproduced except in full, without written approval from Gogreen Mechanisms Pvt. Ltd. Test results furnished herein this report to the sample received Report cannot be used as an evidence anywhere without prior permission. Total liability of our institution is limited to the invoiced amount. Endorsement of products is neither inferred nor implied. The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the client or by a third party acting at the client's direction. The findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. This document is issued by the company under its general conditions of Service available on request. Attention is drawn to the limited liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the company's findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its client and this document does not constitute parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample (s) tested and such sample(s) are retained for 7 days (in case of perishable items) and 15 days for air/ water/hazardous waste samples and 30 days for soil samples. The samples from regulatory bodies are to be retained as specified. This document cannot be reproduced except in full, without prior written approval of the company. Any dispute arising out of this test report is subject to Ahmedabad jurisdiction.