



**By Email**

Pac/MoEF/HYC/A/302/2240

Date: 20-11-2020

**The Director (S)**

Ministry of Environment & Forests and Climate Change,  
Regional Office, Western Region,  
Government of India,  
Kendriya Paryavaran Bhavan,  
Link Road No.3., E-5 Ravi Shankar Nagar,  
**BHOPAL** 462 016 (M.P.)

**Subject:** Submission of 6 monthly compliance report of the conditions as laid down Environmental Clearance vide letter No J/11015/49/2005-IA.II (M), dated 07.10.2005, corrigendum dated 06.02.2006 & 21.06.2010 in respect of **Pachhtar (Composite) Limestone Mines**, pertaining to **Shree Digvijay Cement Co Ltd.** for the period of **April 20 to Sep 20.**

Sir/Madam,

As required, we are submitting herewith Point wise compliance status to various stipulations, as laid-down in Environmental Clearance letter No.J-11015/49/2005-IA.II(M) dated 07.10.2005 and 06.02.2006 & 21.06.2010 with supporting documents, is being enclosed with the following Annexure:-

|                                       |              |
|---------------------------------------|--------------|
| Environment Statement in Form V       | : Annexure A |
| Ambient Air Quality Reports           | : Annexure B |
| Noise Level                           | : Annexure C |
| Environment Yearly Expenses Statement | : Annexure D |

We hope that you will please find the above submission in order.

Thanking you,

Yours faithfully,

For SHREE DIGVIJAY CEMENT CO. LTD.

Anil Kumar Nigam  
Sr. General Manager (Mines)

Copy To:

The Environmental Engineer, Gujarat Pollution Control Board Paryavaran Bhavan, Sector 10A, **GANDHINAGAR** 382 010.

**SHREE DIGVIJAY  
CEMENT CO. LTD.**

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Post- Digvijaygram 361140, Jamnagar,  
Gujarat, India.  
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**SHREE DIGVIJAY CEMENT CO. LTD.**  
**PACHHTAR (COMPOSITE) LIMESTONE MINE**  
**SIX MONTHLY COMPLIANCE STATUS**

**April 20 to Sep 20**

Point wise compliance status to various stipulations as laid down in the Environmental Clearance letter No. J-11015/49/2005-ia.ii (m) dated 21.06.2010:

| S. NO.                       | CONDITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | COMPLIANCE STATUS                                                                                                                                                                                                                                                                                                                          |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A. Specific Condition</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                            |
| (i)                          | The project proponent shall carry out mining operations using Surface Miners in accordance with the mining scheme as approved by the Indian Bureau of Mines on 25.01.2010.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Complied. Mining operation is being carried out as per EC and the Mining Plan approved by IBM. IBM has approved a fresh Mining Plan on 13.02.2018 for the period of 2018 - 19 to 2022 - 23, and all mining activity is being carried out as per approved mining plan.                                                                      |
| (ii)                         | The critical parameters such as RSPM (Particulate matter with size less than 10 micron i.e. PM <sub>10</sub> ), NO <sub>x</sub> in the ambient air within the impact one shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006 -IA. II (M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry <a href="http://www.envfor.nic.n">www.envfor.nic.n</a> shall also be referred in this regard for its compliance. | Complied. The Critical Parameters such as RSPM, NO <sub>x</sub> in the ambient air within the impact zone are being monitored on monthly basis. Also note that we are not discharging water/effluents from the mines. The monitored data are being displayed at main gate of the Office as well as uploaded on the website of the company. |
| (iii)                        | Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Provision for Construction Labours –Not Applicable                                                                                                                                                                                                                                                                                         |

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>B. General Condition</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                               |
| (i)                         | The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Lucknow, the respective Zonal office of Central Pollution Control Board, the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of the Ministry of Environment and forests, Bhopal, the respective zonal office of Central Pollution Control board and the State Pollution Control Board. | Six monthly reports on the status of compliance of the stipulated environment clearance Conditions including results of monitored data are being sent by E-mail to Regional office, Bhopal & State Pollution Control Board, Gandhinagar.                      |
| (ii)                        | The environmental statement for each financial year ending 31 <sup>st</sup> March in Form - V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of                                                                                                                                                                                                                                                                                                                                                                                                                              | Complied. Environmental statement for each financial year ending 31 <sup>st</sup> March in Form V is being submitted. Environmental statement for the period of 2019-20 was submitted on 29.05.2020 to the Regional Office- MoEF – Bhopal & Gujarat Pollution |

|                                                                                                                                                |                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Bhopal by e-mail. | Control Board as prescribed under the Environment (Protection) Rules, 1986. |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|

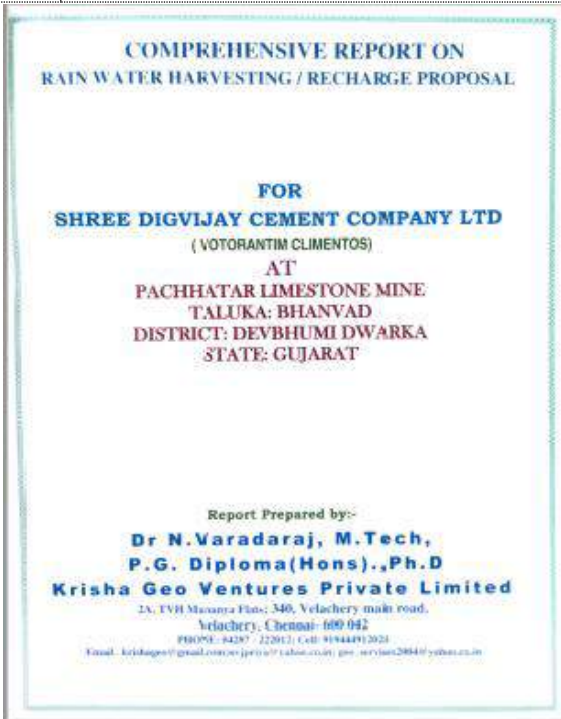
Point wise compliance status to various stipulations as laid down in the Environmental Clearance letter No. J-11015/49/2005-IA.II (M) dated 07.10.2005 and 06.02.2006:

| SL.                    | CONDITIONS                                                                                                                                                                                                                                                                                  | COMPLIANCE STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                             |                            |         |     |      |       |                     |          |      |       |          |      |       |         |      |       |        |                |       |  |              |                                  |              |  |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------|----------------------------|---------|-----|------|-------|---------------------|----------|------|-------|----------|------|-------|---------|------|-------|--------|----------------|-------|--|--------------|----------------------------------|--------------|--|
| A. Specific Conditions |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |                             |                            |         |     |      |       |                     |          |      |       |          |      |       |         |      |       |        |                |       |  |              |                                  |              |  |
| (i)                    | Prior approval of the Chief Wildlife Warden, Government of Gujarat, shall be obtained before expansion of mining activities.                                                                                                                                                                | We have not undertaken any expansion of mining activities at Pachhtar Limestone Mine.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                             |                            |         |     |      |       |                     |          |      |       |          |      |       |         |      |       |        |                |       |  |              |                                  |              |  |
| (ii)                   | The production capacity from this mine shall not exceed 1.0 MTPA with a capping of production of limestone to 2.2 MTPA from all 5 Mines, namely Gop, Pachhtar, Mokhana, Chorbedi and Bhogat Limestone mines put together subject to the individual mines obtaining environmental clearance. | <p>Production during Apr-20 to Sep-20 is <b>227124.675</b> MT from Pachhtar (Composite) Limestone Mine.</p> <p>04 Mines viz. Gop, Chorbedi, Pachhtar and Mokhana Mines have obtained EC individually as detailed below:</p> <p><b>Gop Mines</b> – J-11015/47/2005-IA.II (M) dated 7th October 2005.</p> <p><b>Chorbedi Mines</b> – J-11015/47/2005-IA.II (M) dated 7th October 2005.</p> <p><b>Pachhtar Mines</b> - J-11015/49/2005-IA.II (M) dated 7th October 2005.</p> <p><b>Mokhana Mines</b> - J-11015/48/2005-IA.II (M) dated 7th October 2005.</p> <p>Production of all 05 Limestone Mines during Apr-20 to Sep-20 and its capacities are as under-</p> <table><tr><th>Name of Mine</th><th>EC Capacity in Million Tons</th><th>Production in Million Tons</th><th>Remarks</th></tr><tr><td>Gop</td><td>0.25</td><td>0.084</td><td rowspan="4">Within the EC Limit</td></tr><tr><td>Pachhtar</td><td>1.00</td><td>0.227</td></tr><tr><td>Chorbedi</td><td>0.90</td><td>0.000</td></tr><tr><td>Mokhana</td><td>0.70</td><td>0.000</td></tr><tr><td>Bhogat</td><td>EC not granted</td><td>0.000</td><td></td></tr><tr><td><b>Total</b></td><td><b>2.85</b><br/>(limited to 2.20)</td><td><b>0.311</b></td><td></td></tr></table> <p><b>Mokhana Mines:</b> Whole lease area of Mokhana Mines was under Forest Land for which Possession taken over by Forest Department on 07.08.2004. The operations were stopped since 05.08.2004.</p> <p><b>Bhogat Mines:</b> The area covered under CRZ and EC for this mine is rejected vide MoEF letter 09.10.2006. There is no production from Bhogat Mines Since 21.10.2004</p> | Name of Mine        | EC Capacity in Million Tons | Production in Million Tons | Remarks | Gop | 0.25 | 0.084 | Within the EC Limit | Pachhtar | 1.00 | 0.227 | Chorbedi | 0.90 | 0.000 | Mokhana | 0.70 | 0.000 | Bhogat | EC not granted | 0.000 |  | <b>Total</b> | <b>2.85</b><br>(limited to 2.20) | <b>0.311</b> |  |
| Name of Mine           | EC Capacity in Million Tons                                                                                                                                                                                                                                                                 | Production in Million Tons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Remarks             |                             |                            |         |     |      |       |                     |          |      |       |          |      |       |         |      |       |        |                |       |  |              |                                  |              |  |
| Gop                    | 0.25                                                                                                                                                                                                                                                                                        | 0.084                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Within the EC Limit |                             |                            |         |     |      |       |                     |          |      |       |          |      |       |         |      |       |        |                |       |  |              |                                  |              |  |
| Pachhtar               | 1.00                                                                                                                                                                                                                                                                                        | 0.227                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                             |                            |         |     |      |       |                     |          |      |       |          |      |       |         |      |       |        |                |       |  |              |                                  |              |  |
| Chorbedi               | 0.90                                                                                                                                                                                                                                                                                        | 0.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                             |                            |         |     |      |       |                     |          |      |       |          |      |       |         |      |       |        |                |       |  |              |                                  |              |  |
| Mokhana                | 0.70                                                                                                                                                                                                                                                                                        | 0.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                             |                            |         |     |      |       |                     |          |      |       |          |      |       |         |      |       |        |                |       |  |              |                                  |              |  |
| Bhogat                 | EC not granted                                                                                                                                                                                                                                                                              | 0.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                             |                            |         |     |      |       |                     |          |      |       |          |      |       |         |      |       |        |                |       |  |              |                                  |              |  |
| <b>Total</b>           | <b>2.85</b><br>(limited to 2.20)                                                                                                                                                                                                                                                            | <b>0.311</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                             |                            |         |     |      |       |                     |          |      |       |          |      |       |         |      |       |        |                |       |  |              |                                  |              |  |

| SL.            | CONDITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | COMPLIANCE STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                 |                |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|----------------|----------------|---|-----|----|-----|---|-----|----|------|---|-----|---|-----|---|----|----|-----|----------------|--------|-------|-------|------|--------|--|----------|--|--|--|--|---|-----|----|---|-------|--------|---|-----|----|---|------|-------|---|-----|-----|---|-------|--------|---|----|----|---|------|-------|---|-----|----|---|-------|-------|---|-----|----|---|-------|--------|---|-----|----|----|-------|--------|-------|--|--|--|--|--------|
| (ii)           | <p>Catch drains and siltation ponds of appropriate size and check dams should be constructed to arrest silt and sediment flows from the mining operations. The drains should be regularly de-silted and maintained properly.</p> <p>Garland drain (size, gradient &amp; length) shall be constructed for both mine pit and for the waste dump. Sump capacity should be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains.</p> | <p>Details of Catch Drains &amp; Siltation Pond: There are mainly 4 nos of Catch drains, details catch drains are as under:</p> <table><tr><th>Catch Drain No</th><th>Length in Meter</th><th>Width in Meter</th><th>Depth in Meter</th></tr><tr><td>1</td><td>354</td><td>12</td><td>1.5</td></tr><tr><td>2</td><td>324</td><td>12</td><td>1.20</td></tr><tr><td>3</td><td>151</td><td>9</td><td>0.5</td></tr><tr><td>4</td><td>18</td><td>11</td><td>0.5</td></tr></table> <p>Siltation ponds:<br/>Bottom pits of mines act as siltation ponds; details as below:</p> <table><tr><th>Siltation Pond</th><th>Length</th><th>Width</th><th>Depth</th><th>Area</th><th>Volume</th></tr><tr><td></td><td colspan="3">In meter</td><td></td><td></td></tr><tr><td>1</td><td>218</td><td>97</td><td>5</td><td>21146</td><td>105730</td></tr><tr><td>2</td><td>145</td><td>43</td><td>3</td><td>6235</td><td>18705</td></tr><tr><td>3</td><td>291</td><td>121</td><td>5</td><td>28050</td><td>140250</td></tr><tr><td>4</td><td>86</td><td>74</td><td>2</td><td>6364</td><td>12728</td></tr><tr><td>5</td><td>182</td><td>75</td><td>3</td><td>13650</td><td>40950</td></tr><tr><td>6</td><td>692</td><td>61</td><td>5</td><td>42212</td><td>211060</td></tr><tr><td>7</td><td>404</td><td>83</td><td>12</td><td>33532</td><td>402384</td></tr><tr><td colspan="5">Total</td><td>931807</td></tr></table> <p>Construction of Garland Drains:<br/>For Waste Dump: Not applicable as there is no waste.<br/>For Mines: This region of Gujarat is known as Semi-desert and scarcity of water is major concern. An arrangement has been made to collect surface runoff water during the monsoon into the pits. Rainwater accumulated in these pits helps to augment ground water. This water is also used for Plantation &amp; dust suppression. Farmers in nearby mines area also use this water for irrigation purpose as per their requirement.</p> <p>Instead of Garland drain, catch drains are developed. There is no overflow of water or discharge of any mine water from the pits. All the silts are settled in pits itself.</p> <p>Catchment area including pits – 1221568 M<sup>2</sup> , Total quantity of water with an average rainfall of 63 CM, - 769587.84 KL.</p> <p>The size of mined out pits is capable to receive and store 2812373.55 KL of water with average rainfall 63 Cm which is well above 50% safety margin to take care of sudden Peak rainfall.<br/>Sumps are large enough to provide adequate retention period for proper settling of silt material.</p> | Catch Drain No | Length in Meter | Width in Meter | Depth in Meter | 1 | 354 | 12 | 1.5 | 2 | 324 | 12 | 1.20 | 3 | 151 | 9 | 0.5 | 4 | 18 | 11 | 0.5 | Siltation Pond | Length | Width | Depth | Area | Volume |  | In meter |  |  |  |  | 1 | 218 | 97 | 5 | 21146 | 105730 | 2 | 145 | 43 | 3 | 6235 | 18705 | 3 | 291 | 121 | 5 | 28050 | 140250 | 4 | 86 | 74 | 2 | 6364 | 12728 | 5 | 182 | 75 | 3 | 13650 | 40950 | 6 | 692 | 61 | 5 | 42212 | 211060 | 7 | 404 | 83 | 12 | 33532 | 402384 | Total |  |  |  |  | 931807 |
| Catch Drain No | Length in Meter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Width in Meter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Depth in Meter |                 |                |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| 1              | 354                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.5            |                 |                |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| 2              | 324                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.20           |                 |                |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| 3              | 151                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.5            |                 |                |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| 4              | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.5            |                 |                |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| Siltation Pond | Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Width                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Depth          | Area            | Volume         |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
|                | In meter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                 |                |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| 1              | 218                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 97                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5              | 21146           | 105730         |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| 2              | 145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3              | 6235            | 18705          |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| 3              | 291                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5              | 28050           | 140250         |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| 4              | 86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2              | 6364            | 12728          |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| 5              | 182                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3              | 13650           | 40950          |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| 6              | 692                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5              | 42212           | 211060         |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| 7              | 404                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 83                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12             | 33532           | 402384         |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |
| Total          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                 | 931807         |                |   |     |    |     |   |     |    |      |   |     |   |     |   |    |    |     |                |        |       |       |      |        |  |          |  |  |  |  |   |     |    |   |       |        |   |     |    |   |      |       |   |     |     |   |       |        |   |    |    |   |      |       |   |     |    |   |       |       |   |     |    |   |       |        |   |     |    |    |       |        |       |  |  |  |  |        |

| SL.          | CONDITIONS                                                                                                                                                                                                                                                                           | COMPLIANCE STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                         |              |      |         |     |         |      |       |      |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|--------------|------|---------|-----|---------|------|-------|------|
|              |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                         |              |      |         |     |         |      |       |      |
| (iv)         | Drills should be wet operated or with dust extractors.                                                                                                                                                                                                                               | Drill machines are not in operation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                         |              |      |         |     |         |      |       |      |
| (v)          | Controlled blasting should be practiced only day time. The mitigative measures for control of ground vibrations to arrest the fly rocks and boulders should be implemented.                                                                                                          | <p>Drilling &amp; Blasting has been eliminated by the use of Ripper –Dozer and Excavator combination, an Eco-Friendly mining.</p> <div></div>                                                                                                                                                                                                                                                                                                                 |              |                         |              |      |         |     |         |      |       |      |
| (vi)         | Plantation shall be done over the lease area including a green belt of adequate width around the ML area, along roads by planting suitable native species in consultation with the local DFO/Agricultural Department. The density of trees should be around 1000 plants per hectare. | <p>Plantation as per EC condition is under progress &amp; required area will be afforested during life of mine. We are now planting saplings as per the proposals of approved mining plan per year and made proper arrangements of after care of plants. We have done year wise plantation in mines area as per mining plan. A table with year wise plantation details is given below:</p> <table><tr><th>Year Nos. of</th><th>Nos of Saplings planted</th></tr><tr><td>Upto 2018-19</td><td>4778</td></tr><tr><td>2019-20</td><td>352</td></tr><tr><td>2020-21</td><td>1068</td></tr><tr><td>Total</td><td>6198</td></tr></table> | Year Nos. of | Nos of Saplings planted | Upto 2018-19 | 4778 | 2019-20 | 352 | 2020-21 | 1068 | Total | 6198 |
| Year Nos. of | Nos of Saplings planted                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                         |              |      |         |     |         |      |       |      |
| Upto 2018-19 | 4778                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                         |              |      |         |     |         |      |       |      |
| 2019-20      | 352                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                         |              |      |         |     |         |      |       |      |
| 2020-21      | 1068                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                         |              |      |         |     |         |      |       |      |
| Total        | 6198                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                         |              |      |         |     |         |      |       |      |
|              |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                         |              |      |         |     |         |      |       |      |

| SL.    | CONDITIONS                                                                                                                                                                                                                                    | COMPLIANCE STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| (vii)  | A total of 83.16 ha of the mined out area shall be converted into a water reservoir. The higher benches of the void shall be terraced and plantation done to stabilize the slopes. Peripheral fencing shall be done along the excavated area. | Mined out area shall be developed as basin for collecting surface runoff rain water after complete removal of mineral. Peripheral fencing will be done along excavated area.                                                                                                                                                                                                                                                                                      |
| (viii) | Ground water shall not be encountered during mining operations. Prior approval of the MOEF and CGWA shall be taken for mining below ground water.                                                                                             | We are not working below ground water level.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| (ix)   | Rain water harvesting measures shall be taken up in consultation with the Regional Office, CGWB to recharge and augment groundwater in the area.                                                                                              | A systematic and scientific study of Rainwater harvesting and Ground water recharge has been done by Hydrology & Groundwater expert Dr N. Varadaraj, M.Tech - , P.G. Diploma (Hons), Ph.D. The study report has been submitted to the CGWA – Ahmedabad. Rainwater harvesting & Ground water recharge measures is being done, as per the recommendations. We have also requested guidance and expertise from Regional Director, C.G.W.B. Ahmedabad in this regard. |

| SL.     | CONDITIONS                                                                                                                                                                                                                                          | COMPLIANCE STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |         |                                                       |                         |         |           |        |                   |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------|-------------------------------------------------------|-------------------------|---------|-----------|--------|-------------------|
|         |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                  |                         |         |                                                       |                         |         |           |        |                   |
| s(x)    | A final Mine Closure Plan along with detail of Corpus Fund should be submitted to the Ministry of Environment and Forests 5 years in advance of final mine closure for approval.                                                                    | Progressive Mine Closure Plan with Financial Assurance submitted to IBM. Final Mine closure plan will be submitted before 2 years of intended closure as per MCDR 2017.                                                                                                                                                                                                                                                                                            |                         |         |                                                       |                         |         |           |        |                   |
| (xi)    | Consent to operate shall be obtained from the SPCB before expanding mining operations.                                                                                                                                                              | Consent to operate Mine has been obtained from GPCB, Gandhinagar vide Consent Order No. No.AWH-71393 of dated 29.06.2015 which is valid up to 24.05.2020 and further it is renewed vide order no <b>AWH 108461</b> , and valid upto <b>08/06/2025</b> .                                                                                                                                                                                                            |                         |         |                                                       |                         |         |           |        |                   |
| B       | General conditions                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |         |                                                       |                         |         |           |        |                   |
| (i)     | No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.                                                                                                               | We are carrying out mining operations in accordance with EC & Mining Plan approved by IBM for the period of 2018 -19 to 2022 -23.                                                                                                                                                                                                                                                                                                                                  |                         |         |                                                       |                         |         |           |        |                   |
| (ii)    | No change in the calendar plan including excavation, quantum of limestone and waste should be made.                                                                                                                                                 | We are carrying out mining operations in accordance with EC & Mining Plan approved by IBM for the period of 2018 -19 to 2022 -23. The production done in 2020-21 is given below and the production is within the EC limit. <table><tr><th>Year</th><th>Mineral</th><th>Proposed Production as per approved Mining Plan in MT</th><th>Actual Production in MT</th></tr><tr><td>2020-21</td><td>Limestone</td><td>488409</td><td><b>227124.675</b></td></tr></table> | Year                    | Mineral | Proposed Production as per approved Mining Plan in MT | Actual Production in MT | 2020-21 | Limestone | 488409 | <b>227124.675</b> |
| Year    | Mineral                                                                                                                                                                                                                                             | Proposed Production as per approved Mining Plan in MT                                                                                                                                                                                                                                                                                                                                                                                                              | Actual Production in MT |         |                                                       |                         |         |           |        |                   |
| 2020-21 | Limestone                                                                                                                                                                                                                                           | 488409                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>227124.675</b>       |         |                                                       |                         |         |           |        |                   |
| (iii)   | Data on ambient air quality (RPM and SPM) should be regularly submitted once a year to the Ministry including its Regional Office (WZ) at Bhopal and the Gujarat State Pollution Control Board /Central Pollution Control Board once in six months. | Data of ambient air quality (RPM & SPM) are regularly submitted Half yearly on or before 1 <sup>st</sup> June and 1 <sup>st</sup> December every year to MOEF Regional Office (WR), Bhopal and GPCB, Gandhinagar. Data of Ambient Air Quality Survey conducted during the half year <b>Apr-20 to Sep-20</b> is enclosed. <b>Annexure B</b> .                                                                                                                       |                         |         |                                                       |                         |         |           |        |                   |
| (iv)    | Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement                                                                                                                                             | Fugitive dust emissions from all the sources are controlled regularly. Water spraying                                                                                                                                                                                                                                                                                                                                                                              |                         |         |                                                       |                         |         |           |        |                   |

| SL.    | CONDITIONS                                                                                                                                                                                                                                     | COMPLIANCE STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | on haul roads, wagon loading, dump trucks (loading & unloading) should be provided and properly maintained.                                                                                                                                    | arrangement on haul roads and mining area is being practiced and properly maintained.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| (v)    | Adequate measures should be taken for control of noise levels in the work environment.                                                                                                                                                         | An adequate measure is being taken for control of noise levels in the work environment. Regularly monitoring the noise level. Dozer-Ripper is provided with AC cabin for operator which protects the operator from heat, noise & dust. Machineries are maintained in good service condition. Data of monitoring the noise level measured and recorded during the half year period <b>Apr-20 to Sep-20</b> is enclosed as <b>Annexure C</b> .                                                                                                                                                                                                                                                                                                                                                                                    |
| (vi)   | Industrial waste water, if any, should be properly collected, treated so as to conform 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.     | Maintenance of vehicles is being done in Tata Cargo, situated in Rajkot – Jamnagar Highway, Hapa, Jamnagar, Gujarat. All maintenance & treatment facilities like ETP are available as per the norms. A Photograph is attached for your kind reference. Hence this condition may be treated as complied.<br>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| (vii)  | Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.                                                       | Occupational health surveillance program of the workers is being taken periodically to observe any contractions due to exposure to dust. Initial (IME) and Periodical Medical Examination (PME) of all the work persons is done at statutory intervals. Initial / Periodical Medical Examination is being carried out for following parameters as per Form O under rule 29 B of Mines Rules 1955 for all employees General Development: Height, Weight, Eye, Ears, Respiratory System, Circulatory System, Nervous System, Locomotor System, Hydrocele Any other abnormality. Urine, Skiagram of Chest, Cardiological Assessment, Neurological Assessment, ILO-Chest Radiograph, Spirometry, Audiometry, Pathological Test (Blood Sugar – Fasting & Post Prandial) So far not a single case is detected for dust borne disease. |
| (viii) | The funds earmarked For environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to this Ministry's Regional Office located at Bhopal (WZ). | The funds earmarked for environmental protection measures is kept in separate account and not diverted for other purpose. Expenditure for environmental protection measures is given below:<br>Last 7 years Recurring yearly data is as under:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| SL.   | CONDITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | COMPLIANCE STATUS                                                                                                                                                                                                                                                                            |         |                              |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | S.No.                                                                                                                                                                                                                                                                                        | Year    | Recurring Yearly Expenditure |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                                                                                                                                                                                                                                                                                            | 2013-14 | 460168                       |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                                                                                                                                                                                                                                                                                            | 2014-15 | 528587                       |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                                                                                                                                                                                                                                                                                            | 2015-16 | 750680                       |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                                                                                                                                                                                                                                                                                            | 2016-17 | 356756                       |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5                                                                                                                                                                                                                                                                                            | 2017-18 | 406410                       |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6                                                                                                                                                                                                                                                                                            | 2018-19 | 495120                       |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7                                                                                                                                                                                                                                                                                            | 2019-20 | 578149                       |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Expenditure for environmental protection measures is being enclosed as <b>Annexure D</b> .                                                                                                                                                                                                   |         |                              |
| (ix)  | The Regional Office (WZ) of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the office (s) of the Regional Office by furnishing the requisite data / information/ monitoring reports.                                                                                                                                                                                                                                                      | We are submitting six monthly compliance report along with annexures to the MoEF Regional Office Bhopal and GPCB.<br><br>Full co-operation is being extended to the authorities/officials by providing data/information/monitoring report etc.                                               |         |                              |
| (x)   | A copy of clearance letter will be marked to concerned Panchayat/local NGO, if any, from whom and suggestion/representation has been received while processing the proposal.                                                                                                                                                                                                                                                                                                                                                                | Copy of clearance letter was handed over to all concerned Panchayat.                                                                                                                                                                                                                         |         |                              |
| (xi)  | State pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days and provide copies of the same to anyone requesting for the same.                                                                                                                                                                                                                                                                                        | SPCB displayed the copy of EC as per procedure.                                                                                                                                                                                                                                              |         |                              |
| (xii) | The project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in vernacular language of the locality concerned, within 7 days of the issue of clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and may also be seen at web site of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . | We have advertised in two local newspapers dated 10.12.2005 in respect of Environmental Clearance having been accorded to our Limestone Mines, by the MOEF New Delhi.<br>The publication has appeared in the –<br>(1) Times of India - Ahmedabad Edition<br>(2) Phoolchhab - Rajkot edition. |         |                              |

**FORM V****Environment Audit Report for the period 2019-20****PART - A**

1. Name & Address of the Owner/  
Occupier of the Industry  
Operation or process : **Shree Digvijay Cement Co. Ltd.  
Pachhtar (Composite) Limestone Mine  
Survey No.225/P, Village- Pachhtar,  
Taluka - Bhanvad, Distt. - Devbhumi  
Dwarka, (Gujarat)**
2. Industry Category :  
Primary: (STC Code) **Mining Industry**  
Secondary: (SIC Code)
3. Production Capacity : **10 Lakh tones / Annum**
4. Year of Establishment : **07.11.1983**
5. Date of the last Environmental  
Statement submitted : **11.05.2020**

**PART - B****Water & Raw Material Consumption****(i) \* Water consumption M<sup>3</sup> / day**

|                     |   |                |
|---------------------|---|----------------|
| Process             | : | <b>0</b>       |
| Cooling             | : | <b>0</b>       |
| Domestic (Drinking) | : | <b>1.0 KL</b>  |
| Dust Suppression    | : | <b>6.05 KL</b> |
| Plantation          | : | <b>0.53 KL</b> |

(\*)PS Yearly consumption spread equally over 365 days of a year

| Name of products | Process water consumption per unit of product |                         |
|------------------|-----------------------------------------------|-------------------------|
|                  | During previous year                          | During the current year |
| LIMESTONE        | Not Applicable                                | Not Applicable          |

**(ii) Raw material consumption**

| S. No. | Name of raw materials  | Name of Products | Consumption of raw material per unit of output |                         |
|--------|------------------------|------------------|------------------------------------------------|-------------------------|
|        |                        |                  | During previous year                           | During the current year |
| 1.     | Explosives             | Limestone        | Nil                                            | Nil                     |
| 2.     | Ammonium nitrate       |                  | Nil                                            | Nil                     |
| 3.     | Detonating Fuse        |                  | Nil                                            | Nil                     |
| 4.     | Safety Fuse            |                  | Nil                                            | Nil                     |
| 5.     | Detonator              |                  | Nil                                            | Nil                     |
| 6.     | Cord Relays            |                  | Nil                                            | Nil                     |
| 7.     | HSD - L/ Ton           |                  | 236200 L/0.47                                  | 230826 L/0.43           |
| 8.     | Lubricant oil - L/ Ton |                  | 5341 L/0.01                                    | 7511 L/0.01             |
| 9.     | Grease - Kg/Ton        |                  | 526 Kg/0.001                                   | 840 Kg/0.001            |

### PART – C

Pollution discharged to Environment/unit of output  
(Parameter as specified in the consent issued)

|     | Pollutants   | Qty. of pollutants discharged (Kg/Day) | Concentration of pollutants in discharges (Mg/Nm <sup>3</sup> ) | Percentage of variation from prescribed standard with reasons |
|-----|--------------|----------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------|
| (a) | <b>Water</b> | <b>Nil.</b>                            |                                                                 |                                                               |
| (b) | <b>Air</b>   | <b>Annexure Enclosed</b>               |                                                                 |                                                               |
|     |              | --                                     | --                                                              | --                                                            |
|     |              | --                                     | --                                                              | --                                                            |
|     |              | --                                     | --                                                              | --                                                            |

Note: The prescribed limit of concentration as per the Consent issued –

| Parameter                                      | Time Weighted Avg. | Concentration in Ambient Air                  |                                                         |
|------------------------------------------------|--------------------|-----------------------------------------------|---------------------------------------------------------|
|                                                |                    | Industrial, residential, rural and other area | Ecologically Sensitive area (notified by Central Govt.) |
| Particulate Matter In Microgram/M <sup>3</sup> | 24 hours           | 100                                           | 100                                                     |
|                                                | Annual             | 60                                            | 60                                                      |
| SO <sub>2</sub> in Microgram/M <sup>3</sup>    | 24 hours           | 80                                            | 80                                                      |
|                                                | Annual             | 50                                            | 20                                                      |
| NO <sub>x</sub> in Microgram/M <sup>3</sup>    | 24 hours           | 80                                            | 80                                                      |
|                                                | Annual             | 40                                            | 30                                                      |

### PART – D

Hazardous Wastes  
(As specified under Hazardous Wastes/Management & Handling Rules, 1989)

| Hazardous Wastes |                                       | Total Quantity       |                         |
|------------------|---------------------------------------|----------------------|-------------------------|
|                  |                                       | During previous year | During the current year |
| (a)              | From Process (Used Oil from Machines) | <b>0.120 KL</b>      | <b>0.120 KL</b>         |
| (b)              | From pollution control facilities     | -                    | -                       |

### PART – E

(Solid Wastes)

|     |                                                     | Total Quantity       |                         |
|-----|-----------------------------------------------------|----------------------|-------------------------|
|     |                                                     | During previous year | During the current year |
| (a) | From process                                        | Nil                  | NIL                     |
| (b) | From pollution control Facility                     | Nil                  | Nil                     |
| (c) | i) Quantity recycled or re-utilized within the unit | Nil                  | Nil                     |
|     | ii) Sold                                            |                      |                         |
|     | iii) Disposed                                       |                      |                         |

## **PART – F**

**Please specify the characterization (in terms of concentration and quantum) of Hazardous as well as solid waste and indicate disposal practice adopted for both these categories of waste.**

The used oil when taken out of machine at oil change time, it is collected in an empty barrel. This oil is reused for external lubrication of running moving parts of machine

**Not applicable;** as described above in Part – E.

## **PART – G**

**Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.**

Due to additional higher investment cost of pollution control monitoring and abatement measures there is slight additional burden on cost of production. Thus, the cost of production increases to certain extent. However, as it is absolutely necessary to have a pollution control to conserve ecology & environment, we have planted trees in the mines.

## **PART – H**

Additional measures investment proposal for environmental protection including abatement of pollution, prevention of pollution.

Following control measures were being used for reducing dust in mines.

**Use of Ripper Dozer** – Use of Eco-friendly Ripper Dozer Machine has been started at Pachhtar Mines

### **Other measures -**

1. Drilling is eliminated by deployment of Ripper-Dozer.
2. Dust suppressed on haul road by water sprinkling.
3. Fumes and smoke emissions from HEMM controlled by regular maintenance and timely overhaul of engines.
4. Tarpaulin covering on the transporting vehicle before leaving the mine site.
5. AAQ monitoring is done on regular basis. Contract awarded to M/s Unistar, Vapi and reports are submitted to GPCB, Gandhinagar, MOEF, New Delhi and Regional Office of MOEF, Bhopal.

## PART - I

### **Any other particulars for improving the quality of the environment**

Following are various measures taken by us: -

1. Plantation has been done in mines.
2. Sense of creating & maintaining clean environment among the employees are being created by celebrating Mines Environment and Mineral Conservation Week every year and Environment Day and other such functions time to time on Environment, keeping slogan boards on environment etc.



Signature of a person carrying out  
an industry, operation or process

Name: Anil Kumar Nigam

Designation: Sr. General Manager (Mines)

Address: Shree Digvijay Cement Co. Ltd.

P.O. Digvijaygram- 361140

(Via) Jamnagar, Gujarat

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### TEST REPORT (AMBIENT AIR MONITORING)

|                                   |                                                                                     |                    |            |
|-----------------------------------|-------------------------------------------------------------------------------------|--------------------|------------|
| Test Report No.                   | URA/20/06/A-SDC009                                                                  | Report Issue Date: | 16/06/2020 |
| Sample ID No.                     | URA/ID/A-20/06/009                                                                  | Work Order No.     | 4500042141 |
| Name & Add. of Customer           | M/s. Shree Digvijay Cement Co. Ltd.<br>Digvijaygram - 361140,<br>Jamnagar (Gujarat) |                    |            |
| Dates of Sampling                 | 09/06/2020                                                                          | Date of Testing    | 11/06/2020 |
| Sampling Procedure:               | CPCB Guideline                                                                      |                    |            |
| Location of Sampling / Monitoring | Pachhter Mines (Pachhtardi Village Site)                                            |                    |            |

#### Details of Master Instrument Used for Monitoring

| Instrument Id No. | Instrument Name          | Serial Number                  | Cali. Date | Next Cali. Date |
|-------------------|--------------------------|--------------------------------|------------|-----------------|
| UERL/AIR/RDS/01   | Respirable Dust Sampler  | 1716-DTE-2010 287-<br>DTD-2010 | 01/08/2019 | 31/07/2020      |
| UERL/AIR/FPS/08   | Fine Particulate Sampler | 130-DTL-2012                   | 02/08/2019 | 01/08/2020      |

#### General Sampling / Monitoring Observation as per CPCB Guideline

| Sr. No. | Description                                           | Unit of measurement | 8 Hours Observation Reading |                 |                 |
|---------|-------------------------------------------------------|---------------------|-----------------------------|-----------------|-----------------|
|         |                                                       |                     | 1 <sup>st</sup>             | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| 1.      | Flow Rate of PM <sub>10</sub>                         | m <sup>3</sup> /min | 1.25                        | 1.23            | 1.22            |
| 2.      | Volume of Air Sampled for PM <sub>10</sub>            | m <sup>3</sup>      | 600                         | 590             | 585             |
| 3.      | Volume of Air Sampled for PM <sub>2.5</sub> (24 Hrs.) | m <sup>3</sup>      | 24.04                       |                 |                 |
| 4.      | Flow Rate for Gas                                     | L/min               | 0.2                         | 0.2             | 0.2             |
| 5.      | Volume of Air Sample for Gas                          | L                   | 96                          | 96              | 96              |

Environmental Conditions during testing : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

#### Test Parameter Results

| Sr. No. | Test Parameter    | Unit              | 8 Hours Monitoring Result |                 |                 | Average (24 Hours) | Specific Value | Test Method          |
|---------|-------------------|-------------------|---------------------------|-----------------|-----------------|--------------------|----------------|----------------------|
|         |                   |                   | 1 <sup>st</sup>           | 2 <sup>nd</sup> | 3 <sup>rd</sup> |                    |                |                      |
| 1.      | PM <sub>10</sub>  | µg/m <sup>3</sup> | 86                        | 60              | 55              | 67                 | 100            | IS - 5182, Part - 23 |
| 2.      | SPM               | µg/m <sup>3</sup> | 246                       | 134             | 105             | 162                | --             | IS - 5182, Part - 23 |
| 3.      | PM <sub>2.5</sub> | µg/m <sup>3</sup> | 20                        | 21              | 15              | 19                 | 60             | UERL/AIR/SOP/11      |
| 4.      | Sulphur Dioxide   | µg/m <sup>3</sup> | 17.5                      | 18.7            | 10.4            | 15.5               | 80             | IS - 5182, Part - 2  |
| 5.      | Nitrogen Dioxide  | µg/m <sup>3</sup> | 22.6                      | 24.4            | 14.1            | 20.3               | 80             | IS - 5182, Part - 6  |
| 6.      | Carbon Monoxide   | mg/m <sup>3</sup> | BDL                       | BDL             | BDL             | BDL                | 2.0            | IS - 5182, Part - 10 |

Note: BDL: Below Detection Limit.

Remark: As per NAAQMS (National Ambient Air Quality Monitoring Standard) Notification - 2009, mention all parameter are within Specify Norms.

Sampling Done By:

*Ashish*  
 (Chemist)/(Supervisor)  
 (A 17)

Page No.: 1 of 1

Tested By:

*[Signature]*  
 (Chemist) / (Sr. Chemist)  
 (M 12 13)

Authorized By:

*[Signature]*  
 (Manager - Operations)  
 (2-3-1)

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### TEST REPORT (AMBIENT AIR MONITORING)

|                                   |                                                                                     |                    |            |
|-----------------------------------|-------------------------------------------------------------------------------------|--------------------|------------|
| Test Report No.                   | URA/20/06/A-SDC007                                                                  | Report Issue Date: | 16/06/2020 |
| Sample ID No.                     | URA/ID/A-20/06/007                                                                  | Work Order No.     | 4500042141 |
| Name & Add. of Customer           | M/s. Shree Digvijay Cement Co. Ltd.<br>Digvijaygram - 361140,<br>Jamnagar (Gujarat) |                    |            |
| Dates of Sampling                 | 09/06/2020                                                                          | Date of Testing    | 11/06/2020 |
| Sampling Procedure:               | CPCB Guideline                                                                      |                    |            |
| Location of Sampling / Monitoring | Pachhter Mines (Loading Site)                                                       |                    |            |

#### Details of Master Instrument Used for Monitoring

| Instrument Id No. | Instrument Name          | Serial Number                  | Cali. Date | Next Cali. Date |
|-------------------|--------------------------|--------------------------------|------------|-----------------|
| UERL/AIR/RDS/11   | Respirable Dust Sampler  | 1851-DTK-2010<br>4134-DTJ-2010 | 01/08/2019 | 31/07/2020      |
| UERL/AIR/FPS/07   | Fine Particulate Sampler | 271-DTE-2010                   | 01/08/2019 | 31/07/2020      |

#### General Sampling / Monitoring Observation as per CPCB Guideline

| Sr. No. | Description                                           | Unit of measurement | 8 Hours Observation Reading |                 |                 |
|---------|-------------------------------------------------------|---------------------|-----------------------------|-----------------|-----------------|
|         |                                                       |                     | 1 <sup>st</sup>             | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| 1.      | Flow Rate of PM <sub>10</sub>                         | m <sup>3</sup> /min | 1.29                        | 1.27            | 1.25            |
| 2.      | Volume of Air Sampled for PM <sub>10</sub>            | m <sup>3</sup>      | 619                         | 609             | 600             |
| 3.      | Volume of Air Sampled for PM <sub>2.5</sub> (24 Hrs.) | m <sup>3</sup>      | 24.04                       |                 |                 |
| 4.      | Flow Rate for Gas                                     | L/min               | 0.2                         | 0.2             | 0.2             |
| 5.      | Volume of Air Sample for Gas                          | L                   | 96                          | 96              | 96              |

Environmental Conditions during testing : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

#### Test Parameter Results

| Sr. No. | Test Parameter    | Unit              | 8 Hours Monitoring Result |                 |                 | Average (24 Hours) | Specific Value | Test Method          |
|---------|-------------------|-------------------|---------------------------|-----------------|-----------------|--------------------|----------------|----------------------|
|         |                   |                   | 1 <sup>st</sup>           | 2 <sup>nd</sup> | 3 <sup>rd</sup> |                    |                |                      |
| 1.      | PM <sub>10</sub>  | µg/m <sup>3</sup> | 83                        | 70              | 67              | 73                 | 100            | IS - 5182, Part - 23 |
| 2.      | SPM               | µg/m <sup>3</sup> | 220                       | 167             | 109             | 165                | --             | IS - 5182, Part - 23 |
| 3.      | PM <sub>2.5</sub> | µg/m <sup>3</sup> | 23                        | 20              | 17              | 20                 | 60             | UERL/AIR/SOP/11      |
| 4.      | Sulphur Dioxide   | µg/m <sup>3</sup> | 15.4                      | 12.7            | 9.6             | 12.5               | 80             | IS - 5182, Part - 2  |
| 5.      | Nitrogen Dioxide  | µg/m <sup>3</sup> | 20.6                      | 19.8            | 14.3            | 18.2               | 80             | IS - 5182, Part - 6  |
| 6.      | Carbon Monoxide   | mg/m <sup>3</sup> | BDL                       | BDL             | BDL             | BDL                | 2.0            | IS - 5182, Part - 10 |

Note: BDL: Below Detection Limit.

Remark: As per NAAQMS (National Ambient Air Quality Monitoring Standard) Notification - 2009, mention all parameter are within Specify Norms.

Sampling Done By:

*Acaul*  
 (Chemist)/(Supervisor)  
 (A.V.)

Page No.: 1 of 1

Tested By:

*(Signature)*  
 (Chemist) / (Sr. Chemist)  
 (A.D.P.)

Authorized By:

*(Signature)*  
 (Manager - Operations)  
 (D.S.)

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**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

|                                   |                                                                                     |                    |            |
|-----------------------------------|-------------------------------------------------------------------------------------|--------------------|------------|
| Test Report No.                   | URA/20/06/A-SDC008                                                                  | Report Issue Date: | 16/06/2020 |
| Sample ID No.                     | URA/ID/A-20/06/008                                                                  | Work Order No.     | 4500042141 |
| Name & Add. of Customer           | M/s. Shree Digvijay Cement Co. Ltd.<br>Digvijaygram - 361140,<br>Jamnagar (Gujarat) |                    |            |
| Dates of Sampling                 | 09/06/2020                                                                          | Date of Testing    | 11/06/2020 |
| Sampling Procedure:               | CPCB Guideline                                                                      |                    |            |
| Location of Sampling / Monitoring | Pachhter Mines (Mine Haul Road Site)                                                |                    |            |

**Details of Master Instrument Used for Monitoring**

| Instrument Id No. | Instrument Name          | Serial Number                  | Cali. Date | Next Cali. Date |
|-------------------|--------------------------|--------------------------------|------------|-----------------|
| UERL/AIR/RDS/23   | Respirable Dust Sampler  | 2343-DTB-2012<br>1038-DTC-2012 | 01/08/2019 | 31/07/2020      |
| UERL/AIR/FPS/06   | Fine Particulate Sampler | 270-DTE-2010                   | 01/08/2019 | 31/07/2020      |

**General Sampling / Monitoring Observation as per CPCB Guideline**

| Sr. No. | Description                                           | Unit of measurement | 8 Hours Observation Reading |                 |                 |
|---------|-------------------------------------------------------|---------------------|-----------------------------|-----------------|-----------------|
|         |                                                       |                     | 1 <sup>st</sup>             | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| 1.      | Flow Rate of PM <sub>10</sub>                         | m <sup>3</sup> /min | 1.23                        | 1.21            | 1.20            |
| 2.      | Volume of Air Sampled for PM <sub>10</sub>            | m <sup>3</sup>      | 590                         | 580             | 576             |
| 3.      | Volume of Air Sampled for PM <sub>2.5</sub> (24 Hrs.) | m <sup>3</sup>      | 24.04                       |                 |                 |
| 4.      | Flow Rate for Gas                                     | L/min               | 0.2                         | 0.2             | 0.2             |
| 5.      | Volume of Air Sample for Gas                          | L                   | 96                          | 96              | 96              |

**Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

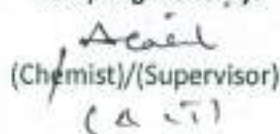
**Test Parameter Results**

| Sr. No. | Test Parameter    | Unit              | 8 Hours Monitoring Result |                 |                 | Average (24 Hours) | Specific Value | Test Method          |
|---------|-------------------|-------------------|---------------------------|-----------------|-----------------|--------------------|----------------|----------------------|
|         |                   |                   | 1 <sup>st</sup>           | 2 <sup>nd</sup> | 3 <sup>rd</sup> |                    |                |                      |
| 1.      | PM <sub>10</sub>  | µg/m <sup>3</sup> | 79                        | 68              | 60              | 69                 | 100            | IS - 5182, Part - 23 |
| 2.      | SPM               | µg/m <sup>3</sup> | 200                       | 159             | 134             | 164                | —              | IS - 5182, Part - 23 |
| 3.      | PM <sub>2.5</sub> | µg/m <sup>3</sup> | 21                        | 18              | 13              | 17                 | 60             | UERL/AIR/SOP/11      |
| 4.      | Sulphur Dioxide   | µg/m <sup>3</sup> | 16.1                      | 19.5            | 11.9            | 15.8               | 80             | IS - 5182, Part - 2  |
| 5.      | Nitrogen Dioxide  | µg/m <sup>3</sup> | 19.5                      | 22.3            | 14.8            | 18.8               | 80             | IS - 5182, Part - 6  |
| 6.      | Carbon Monoxide   | mg/m <sup>3</sup> | BDL                       | BDL             | BDL             | BDL                | 2.0            | IS - 5182, Part - 10 |

Note: BDL: Below Detection Limit.

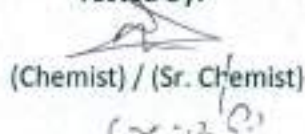
Remark: As per NAAQMS (National Ambient Air Quality Monitoring Standard) Notification - 2009, mention all parameter are within Specify Norms.

Sampling Done By:

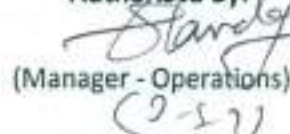
  
 (Chemist)/(Supervisor)  
 (A. S.)

Page No.: 1 of 1

Tested By:

  
 (Chemist) / (Sr. Chemist)  
 (A. S.)

Authorized By:

  
 (Manager - Operations)  
 (A. S.)

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### TEST REPORT (AMBIENT AIR MONITORING)

|                                   |                                                                                     |                    |            |
|-----------------------------------|-------------------------------------------------------------------------------------|--------------------|------------|
| Test Report No.                   | URA/20/06/A-SDC011                                                                  | Report Issue Date: | 16/06/2020 |
| Sample ID No.                     | URA/ID/A-20/06/011                                                                  | Work Order No.     | 4500042141 |
| Name & Add. of Customer           | M/s. Shree Digvijay Cement Co. Ltd.<br>Digvijaygram - 361140,<br>Jamnagar (Gujarat) |                    |            |
| Dates of Sampling                 | 10/06/2020                                                                          | Date of Testing    | 12/06/2020 |
| Sampling Procedure:               | CPCB Guideline                                                                      |                    |            |
| Location of Sampling / Monitoring | Pachhter Mines (Mine Haul Road Site)                                                |                    |            |

#### ➤ Details of Master Instrument Used for Monitoring

| Instrument Id No. | Instrument Name          | Serial Number                  | Cali. Date | Next Cali. Date |
|-------------------|--------------------------|--------------------------------|------------|-----------------|
| UERL/AIR/RDS/23   | Respirable Dust Sampler  | 2343-DTB-2012<br>1038-DTC-2012 | 01/08/2019 | 31/07/2020      |
| UERL/AIR/FPS/06   | Fine Particulate Sampler | 270-DTE-2010                   | 01/08/2019 | 31/07/2020      |

#### ➤ General Sampling / Monitoring Observation as per CPCB Guideline

| Sr. No. | Description                                           | Unit of measurement | 8 Hours Observation Reading |                 |                 |
|---------|-------------------------------------------------------|---------------------|-----------------------------|-----------------|-----------------|
|         |                                                       |                     | 1 <sup>st</sup>             | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| 1.      | Flow Rate of PM <sub>10</sub>                         | m <sup>3</sup> /min | 1.26                        | 1.25            | 1.21            |
| 2.      | Volume of Air Sampled for PM <sub>10</sub>            | m <sup>3</sup>      | 604                         | 600             | 580             |
| 3.      | Volume of Air Sampled for PM <sub>2.5</sub> (24 Hrs.) | m <sup>3</sup>      | 24.04                       |                 |                 |
| 4.      | Flow Rate for Gas                                     | L/min               | 0.2                         | 0.2             | 0.2             |
| 5.      | Volume of Air Sample for Gas                          | L                   | 96                          | 96              | 96              |

➤ **Environmental Conditions during testing** : Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

#### ➤ Test Parameter Results

| Sr. No. | Test Parameter    | Unit              | 8 Hours Monitoring Result |                 |                 | Average (24 Hours) | Specific Value | Test Method          |
|---------|-------------------|-------------------|---------------------------|-----------------|-----------------|--------------------|----------------|----------------------|
|         |                   |                   | 1 <sup>st</sup>           | 2 <sup>nd</sup> | 3 <sup>rd</sup> |                    |                |                      |
| 1.      | PM <sub>10</sub>  | µg/m <sup>3</sup> | 91                        | 78              | 61              | 77                 | 100            | IS - 5182, Part - 23 |
| 2.      | SPM               | µg/m <sup>3</sup> | 246                       | 204             | 140             | 197                | —              | IS - 5182, Part - 23 |
| 3.      | PM <sub>2.5</sub> | µg/m <sup>3</sup> | 24                        | 22              | 18              | 21                 | 60             | UERL/AIR/SOP/11      |
| 4.      | Sulphur Dioxide   | µg/m <sup>3</sup> | 20.1                      | 17.5            | 11.6            | 16.4               | 80             | IS - 5182, Part - 2  |
| 5.      | Nitrogen Dioxide  | µg/m <sup>3</sup> | 24.8                      | 21.9            | 16.7            | 21.1               | 80             | IS - 5182, Part - 6  |
| 6.      | Carbon Monoxide   | mg/m <sup>3</sup> | BDL                       | BDL             | BDL             | BDL                | 2.0            | IS - 5182, Part - 10 |

Note: BDL: Below Detection Limit.

**Remark:** As per NAAQMS (National Ambient Air Quality Monitoring Standard) Notification - 2009, mention all parameter are within Specify Norms.

Sampling Done By:

*(Signature)*  
 (Chemist)/(Supervisor)  
 (A.T.)

Page No.: 1 of 1

Tested By:

*(Signature)*  
 (Chemist) / (Sr. Chemist)  
 (M.D.P.)

Authorized By:

*(Signature)*  
 (Manager - Operations)  
 (D.S.)

UERL/AIR/F-05/03

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 ISO 45001:2018  
 Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

|                                   |                                                                                     |                    |            |
|-----------------------------------|-------------------------------------------------------------------------------------|--------------------|------------|
| Test Report No.                   | URA/20/06/A-SDC010                                                                  | Report Issue Date: | 16/06/2020 |
| Sample ID No.                     | URA/ID/A-20/06/010                                                                  | Work Order No.     | 4500042141 |
| Name & Add. of Customer           | M/s. Shree Digvijay Cement Co. Ltd.<br>Digvijaygram - 361140,<br>Jamnagar (Gujarat) |                    |            |
| Dates of Sampling                 | 10/06/2020                                                                          | Date of Testing    | 12/06/2020 |
| Sampling Procedure:               | CPCB Guideline                                                                      |                    |            |
| Location of Sampling / Monitoring | Pachhter Mines (Loading Site)                                                       |                    |            |

**Details of Master Instrument Used for Monitoring**

| Instrument Id No. | Instrument Name          | Serial Number                  | Cali. Date | Next Cali. Date |
|-------------------|--------------------------|--------------------------------|------------|-----------------|
| UERL/AIR/RD5/11   | Respirable Dust Sampler  | 1851-DTK-2010<br>4134-DTJ-2010 | 01/08/2019 | 31/07/2020      |
| UERL/AIR/FPS/07   | Fine Particulate Sampler | 271-DTE-2010                   | 01/08/2019 | 31/07/2020      |

**General Sampling / Monitoring Observation as per CPCB Guideline**

| Sr. No. | Description                                           | Unit of measurement | 8 Hours Observation Reading |                 |                 |
|---------|-------------------------------------------------------|---------------------|-----------------------------|-----------------|-----------------|
|         |                                                       |                     | 1 <sup>st</sup>             | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| 1.      | Flow Rate of PM <sub>10</sub>                         | m <sup>3</sup> /min | 1.25                        | 1.24            | 1.22            |
| 2.      | Volume of Air Sampled for PM <sub>10</sub>            | m <sup>3</sup>      | 600                         | 595             | 585             |
| 3.      | Volume of Air Sampled for PM <sub>2.5</sub> (24 Hrs.) | m <sup>3</sup>      | 24.04                       |                 |                 |
| 4.      | Flow Rate for Gas                                     | L/min               | 0.2                         | 0.2             | 0.2             |
| 5.      | Volume of Air Sample for Gas                          | L                   | 96                          | 96              | 96              |

**Environmental Conditions during testing:** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

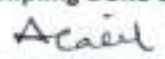
**Test Parameter Results**

| Sr. No. | Test Parameter    | Unit              | 8 Hours Monitoring Result |                 |                 | Average (24 Hours) | Specific Value | Test Method          |
|---------|-------------------|-------------------|---------------------------|-----------------|-----------------|--------------------|----------------|----------------------|
|         |                   |                   | 1 <sup>st</sup>           | 2 <sup>nd</sup> | 3 <sup>rd</sup> |                    |                |                      |
| 1.      | PM <sub>10</sub>  | µg/m <sup>3</sup> | 75                        | 71              | 63              | 70                 | 100            | IS - 5182, Part - 23 |
| 2.      | SPM               | µg/m <sup>3</sup> | 259                       | 200             | 187             | 215                | --             | IS - 5182, Part - 23 |
| 3.      | PM <sub>2.5</sub> | µg/m <sup>3</sup> | 23                        | 20              | 16              | 20                 | 60             | UERL/AIR/SOP/11      |
| 4.      | Sulphur Dioxide   | µg/m <sup>3</sup> | 15.7                      | 13.8            | 10.5            | 13.3               | 80             | IS - 5182, Part - 2  |
| 5.      | Nitrogen Dioxide  | µg/m <sup>3</sup> | 20.8                      | 22.6            | 18.9            | 20.7               | 80             | IS - 5182, Part - 6  |
| 6.      | Carbon Monoxide   | mg/m <sup>3</sup> | BDL                       | BDL             | BDL             | BDL                | 2.0            | IS - 5182, Part - 10 |

Note: BDL: Below Detection Limit.

Remark: As per NAAQMS (National Ambient Air Quality Monitoring Standard) Notification - 2009, mention all parameter are within Specify Norms.

Sampling Done By:

  
 (Chemist)/(Supervisor)

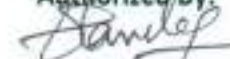
 (A. A. P.)  
 Page No.: 1 of 1

Tested By:

  
 (Chemist) / (Sr. Chemist)

(A. A. P.)

Authorized By:

  
 (Manager - Operations)

 (A. A. P.)  
 UERL/AIR/F-05/03

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 Certified Company

 ISO 45001:2018  
 Certified Company

**TEST REPORT**  
**(AMBIENT AIR MONITORING)**

|                                   |                                                                                     |                    |            |
|-----------------------------------|-------------------------------------------------------------------------------------|--------------------|------------|
| Test Report No.                   | URA/20/06/A-SDC012                                                                  | Report Issue Date: | 16/06/2020 |
| Sample ID No.                     | URA/ID/A-20/06/012                                                                  | Work Order No.     | 4500042141 |
| Name & Add. of Customer           | M/s. Shree Digvijay Cement Co. Ltd.<br>Digvijaygram - 361140,<br>Jamnagar (Gujarat) |                    |            |
| Dates of Sampling                 | 10/06/2020                                                                          | Date of Testing    | 12/06/2020 |
| Sampling Procedure:               | CPCB Guideline                                                                      |                    |            |
| Location of Sampling / Monitoring | Pachhter Mines (Pachhtardi Village Site)                                            |                    |            |

**Details of Master Instrument Used for Monitoring**

| Instrument Id No. | Instrument Name          | Serial Number              | Cali. Date | Next Cali. Date |
|-------------------|--------------------------|----------------------------|------------|-----------------|
| UERL/AIR/RDS/01   | Respirable Dust Sampler  | 1716-DTE-2010 287-DTD-2010 | 01/08/2019 | 31/07/2020      |
| UERL/AIR/FPS/08   | Fine Particulate Sampler | 130-DTL-2012               | 02/08/2019 | 01/08/2020      |

**General Sampling / Monitoring Observation as per CPCB Guideline**

| Sr. No. | Description                                           | Unit of measurement | 8 Hours Observation Reading |                 |                 |
|---------|-------------------------------------------------------|---------------------|-----------------------------|-----------------|-----------------|
|         |                                                       |                     | 1 <sup>st</sup>             | 2 <sup>nd</sup> | 3 <sup>rd</sup> |
| 1.      | Flow Rate of PM <sub>10</sub>                         | m <sup>3</sup> /min | 1.25                        | 1.25            | 1.24            |
| 2.      | Volume of Air Sampled for PM <sub>10</sub>            | m <sup>3</sup>      | 600                         | 600             | 595             |
| 3.      | Volume of Air Sampled for PM <sub>2.5</sub> (24 Hrs.) | m <sup>3</sup>      | 24.04                       |                 |                 |
| 4.      | Flow Rate for Gas                                     | L/min               | 0.2                         | 0.2             | 0.2             |
| 5.      | Volume of Air Sample for Gas                          | L                   | 96                          | 96              | 96              |

**Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

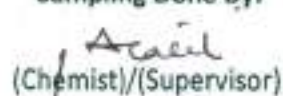
**Test Parameter Results**

| Sr. No. | Test Parameter    | Unit              | 8 Hours Monitoring Result |                 |                 | Average (24 Hours) | Specific Value | Test Method          |
|---------|-------------------|-------------------|---------------------------|-----------------|-----------------|--------------------|----------------|----------------------|
|         |                   |                   | 1 <sup>st</sup>           | 2 <sup>nd</sup> | 3 <sup>rd</sup> |                    |                |                      |
| 1.      | PM <sub>10</sub>  | µg/m <sup>3</sup> | 78                        | 72              | 67              | 72                 | 100            | IS - 5182, Part - 23 |
| 2.      | SPM               | µg/m <sup>3</sup> | 214                       | 189             | 147             | 183                | --             | IS - 5182, Part - 23 |
| 3.      | PM <sub>2.5</sub> | µg/m <sup>3</sup> | 22                        | 19              | 17              | 19                 | 60             | UERL/AIR/SOP/11      |
| 4.      | Sulphur Dioxide   | µg/m <sup>3</sup> | 17.6                      | 13.8            | 11.9            | 14.4               | 80             | IS - 5182, Part - 2  |
| 5.      | Nitrogen Dioxide  | µg/m <sup>3</sup> | 21.8                      | 17.6            | 15.3            | 18.2               | 80             | IS - 5182, Part - 6  |
| 6.      | Carbon Monoxide   | mg/m <sup>3</sup> | BDL                       | BDL             | BDL             | BDL                | 2.0            | IS - 5182, Part - 10 |

Note: BDL: Below Detection Limit.

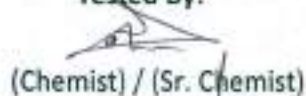
Remark: As per NAAQMS (National Ambient Air Quality Monitoring Standard) Notification - 2009, mention all parameter are within Specify Norms.

Sampling Done By:

  
 (Chemist)/(Supervisor)

Page No.: 1 of 1

Tested By:

  
 (Chemist) / (Sr. Chemist)

Authorized By:

  
 (Manager - Operations)

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**WORK PLACE NOISE LEVEL MONITORING REPORT**

|                           |                                                                                     |                 |            |
|---------------------------|-------------------------------------------------------------------------------------|-----------------|------------|
| Test Report No.:          | URA/20/06/WN-SDC001                                                                 | Date Of Report: | 16/06/2020 |
| Name & Add. Of Industries | M/s. Shree Digvijay Cement Co. Ltd.<br>Digvijaygram - 361140,<br>Jamnagar (Gujarat) |                 |            |

 ➤ Details of Instrument Used for Monitoring.

| Instrument Id No. | Instrument Name   | Model Number | Cali. Date | Next Cali. Date |
|-------------------|-------------------|--------------|------------|-----------------|
| UERL/AIR/SLM/09A  | Sound Level Meter | 24 DTE 2008  | 01/08/2019 | 31/07/2020      |

 1) Chorbedi (Composite) Limestone Mines.

| Date of Monitoring                       | Name of Site | Noise Level – dB (A) |                        |                        |
|------------------------------------------|--------------|----------------------|------------------------|------------------------|
|                                          |              | Inside Cabin         | 15 Mtr. away from m/c. | 50 Mtr. away from m/c. |
| " Temporary Discontinued – No Operation" |              |                      |                        |                        |

 2) Pachhter (Composite) Limestone Mines.

| Date of Monitoring | Name of Site           | Noise Level - dB (A) |                        |                        |
|--------------------|------------------------|----------------------|------------------------|------------------------|
|                    |                        | Inside Cabin         | 15 Mtr. away from m/c. | 50 Mtr. away from m/c. |
| 08/06/2020         | Dozer D - 8R           | 89.2                 | 83.7                   | 74.3                   |
| 08/06/2020         | Hyundai - 140 (LC - 9) | 89.1                 | 83.8                   | 73.6                   |
| 08/06/2020         | Tata - 200 Bracker     | 88.7                 | 82.9                   | 74.1                   |

 3) Gop (Composite) Limestone Mines.

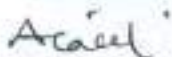
| Date of Monitoring | Name of Site            | Noise Level - dB (A) |                        |                        |
|--------------------|-------------------------|----------------------|------------------------|------------------------|
|                    |                         | Inside Cabin         | 15 Mtr. away from m/c. | 50 Mtr. away from m/c. |
| 08/06/2020         | Dozer D8 - N (CAT)      | 89.4                 | 84.1                   | 74.9                   |
| 08/06/2020         | Hyundai - 140 Excavator | 88.9                 | 83.5                   | 73.4                   |
| 08/06/2020         | Tata - 200 Excavator    | 89.4                 | 84.2                   | 74.1                   |

Note:

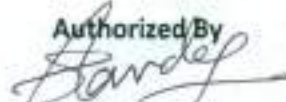
Permissible Limit:

TWA (Time Weighted Average) 8 Hrs: 90 dB (A)

Prepared By



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 Certified Company

 ISO 45001:2018  
 Certified Company

**AMBIENT NOISE LEVEL MONITORING REPORT**

|                           |                                                                                     |                 |            |
|---------------------------|-------------------------------------------------------------------------------------|-----------------|------------|
| Test Report No.:          | URA/20/06/AN-SDC001                                                                 | Date Of Report: | 16/06/2020 |
| Name & Add. Of Industries | M/s. Shree Digvijay Cement Co. Ltd.<br>Digvijaygram - 361140,<br>Jamnagar (Gujarat) |                 |            |

**➤ Details of Instrument Used for Monitoring.**

| Instrument Id No. | Instrument Name   | Model Number | Cali. Date | Next Cali. Date |
|-------------------|-------------------|--------------|------------|-----------------|
| UERL/AIR/SLM/09A  | Sound Level Meter | 24 DTE 2008  | 01/08/2019 | 31/07/2020      |

**1) Pachhtar (Composite) Limestone Mines.**

| Date of Monitoring | Name of Site     | Noise Level - dB (A) |            |
|--------------------|------------------|----------------------|------------|
|                    |                  | Day Time             | Night Time |
| 08/06/2020         | Pachhtar Village | 62.3                 | 48.1       |
| 09/06/2020         | Pachhtar Village | 60.5                 | 47.9       |

**2) Chorbedi (Composite) Limestone Mines.**

| Date of Monitoring | Name of Site     | Noise Level - dB (A) |            |
|--------------------|------------------|----------------------|------------|
|                    |                  | Day Time             | Night Time |
| 08/06/2020         | Chorbedi Village | 62.7                 | 50.3       |
| 09/06/2020         | Chorbedi Village | 64.5                 | 52.7       |

**3) Gop (Composite) Limestone Mines.**

| Date of Monitoring | Name of Site      | Noise Level - dB (A) |            |
|--------------------|-------------------|----------------------|------------|
|                    |                   | Day Time             | Night Time |
| 09/06/2020         | Gop Village       | 61.7                 | 53.9       |
| 09/06/2020         | Jeenawari Village | 64.8                 | 56.5       |
| 10/06/2020         | Gop Village       | 62.4                 | 54.2       |
| 10/06/2020         | Jeenawari Village | 65.2                 | 56.7       |

**Note:**
**Permissible Limit:**

Day Time: 75&gt; dB (A) Night Time: 70&gt; dB (A)

**Prepared By**


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UERL/AIR/F-18/01



**Annexure D**

**PACHHTAR (COMPOSITE) LIMESTONE MINES**

**YEARLY EXPENDITURE STATEMENT**

**FOR ENVIRONMENT MANAGEMENT**

For the Period of 2019-20

| S.<br>No. | WORK                                                             | Expenditure in Rs          |                                | Grand Total   |
|-----------|------------------------------------------------------------------|----------------------------|--------------------------------|---------------|
|           |                                                                  | From April 19<br>to Sep 19 | From October 19<br>to March 20 |               |
| 1         | Ambient Air & Noise Monitoring                                   | 32400                      | 62100                          | 94500         |
| 2         | Water Sprinkling on haul roads                                   | 137200                     | 134800                         | 272000        |
| 3         | Purchasing of Sapling                                            | 3520                       | 0                              | 3520          |
| 4         | Purchasing of Soil                                               | 4000                       | 0                              | 4000          |
| 5         | Recurring Expenses for Security<br>and Maintenance of Plantation | 118809                     | 85320                          | 204129        |
|           | <b>Total</b>                                                     | <b>295929</b>              | <b>282220</b>                  | <b>578149</b> |

  
**Signature**  
**Anil Kumar Nigam**  
**Sr. General Manager - Mines**

**SHREE DIGVIJAY  
CEMENT CO. LTD.**

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Post- Digvijaygram 361140, Jamnagar,  
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