

## MAHARASHTRA STATE MINING CORPORATION LIMITED

|                             |   |                                 |
|-----------------------------|---|---------------------------------|
| Name of Mine Lease          | : | <b>Dongargaon Fluorite Mine</b> |
| Mineral/Ore                 | : | <b>Fluorite</b>                 |
| Labour Identification No.   | : |                                 |
| DGMS Code                   | : |                                 |
| IBM Registration No.        | : | <b>5319/ 24MSH08001</b>         |
| Toposheet No.               | : |                                 |
| Nearest Railway Station     | : | Dongargaon (0.75 Km from Mine)  |
| Nearest Airport             | : |                                 |
| <b>Full Address :</b>       |   |                                 |
| Village                     | : | Dongargaon                      |
| Post Office                 | : | Dongargaon (Rly.)               |
| Tahsil/Taluka               | : | Warora                          |
| Police Station              | : | Warora                          |
| District                    | : | Chandrapur                      |
| PIN                         | : | 442 907                         |
| State                       | : | Maharashtra                     |
| Mine Contact                | : |                                 |
| Email                       | : |                                 |
| <b>Mine Leasehold Area:</b> |   |                                 |
| Forest Land                 | : |                                 |
| Revenue Land                | : |                                 |
| Private Land                | : |                                 |
| <b>Acquired Land :</b>      |   |                                 |
| Forest Land                 | : | 0.00 Ha.                        |
| Revenue Land                | : |                                 |
| Private Land                | : |                                 |
| Lease Validity              | : | Upto                            |
| Method of Working           | : | Manual Opencast                 |
| Category                    | : | 'B' Category                    |

|   |   |   |
|---|---|---|
| <b>Mine Staff :</b>                           |   |   |
| Mine Manager/Permit Manager                   | : | 01  |
| Mine Foreman                                  | : |   |
| Geologists                                    | : |   |
| Surveyor                                      | : |   |
| Mine Mate                                     | : | 01  |
| Blaster                                       | : | Not required  |
| Clerk / Storekeeper                           | : | 01  |
| Operator cum Mechanic                         | : |   |
| Others  | : |   |
|   |   |   |
| <b>Mine Workers :</b>                         |   |   |
| Skilled Workers                               | : | 03  |
| Semi-Skilled workers                          | : | 41  |
| Unskilled workers                             | : | 04  |
| Others  | : | 01  |
|   |   |   |
| <b>Statutory Compliances :</b>                |   |   |
| Mine Plan /SOM                                | : | Approved  |
| Validity of Mine Plan/SOM                     | : |   |
| Environment Clearance                         | : |   |
| Quantity as per EC                            | : |   |
| Forest Clearance                              | : | Not required  |
| MPCB Consent                                  | : |   |
| Validity of Consent                           | : |   |
|   |   |   |
| <b>Explosive &amp; Blasting :</b>             |   |   |
| License No.                                   | : |   |
| License Validity                              | : |   |
| Licensed Capacity                             | : |   |
| Diameter of shothole                          | : |   |
| Maximum Depth of shothole                     | : |   |
|   |   |   |
| <b>Public Grievance Redressal Mechanism :</b> |   |   |
| Name of Officer                               | : | Mr. Vilas V. Jogi   |
| Address                                       | : | At Dongargaon Fluorite Mine<br>Village: Dongargaon, Taluka: Warora<br>District: Chandrapur, PIN – 442907. |
| Phone /Mobile No.                             | : | +91 -   |
| Email ID                                      | : |   |

**Environmental Monitoring :**

| <b>Environmental Monitoring Standards</b>   | <b>Core Zone</b>                 | <b>Buffer zone</b> |           |  |             |  |  |  |
|---|----------------------------------|--------------------|-----------|--|-------------|--|--|--|
| <b>a) Ambient Air Quality</b><br><table border="1"> <tr> <td colspan="2">Standards laid down by MoEF &amp; CC</td> </tr> <tr> <td>Core Zone</td> <td></td> </tr> <tr> <td>Buffer Zone</td> <td></td> </tr> </table>   | Standards laid down by MoEF & CC |                    | Core Zone |  | Buffer Zone |  |  |  |
| Standards laid down by MoEF & CC  |                                  |                    |           |  |             |  |  |  |
| Core Zone   |                                  |                    |           |  |             |  |  |  |
| Buffer Zone   |                                  |                    |           |  |             |  |  |  |
| <b>b) Surface Water Quality</b><br><table border="1"> <tr> <td colspan="2">Standards laid down by MoEF &amp; CC</td> </tr> <tr> <td>Core Zone</td> <td></td> </tr> <tr> <td>Buffer Zone</td> <td></td> </tr> </table> | Standards laid down by MoEF & CC |                    | Core Zone |  | Buffer Zone |  |  |  |
| Standards laid down by MoEF & CC  |                                  |                    |           |  |             |  |  |  |
| Core Zone   |                                  |                    |           |  |             |  |  |  |
| Buffer Zone   |                                  |                    |           |  |             |  |  |  |
| <b>c) Ground Water Quality</b><br><table border="1"> <tr> <td colspan="2">Standards laid down by MoEF&amp;CC</td> </tr> <tr> <td>Core Zone</td> <td></td> </tr> <tr> <td>Buffer Zone</td> <td></td> </tr> </table>    | Standards laid down by MoEF&CC   |                    | Core Zone |  | Buffer Zone |  |  |  |
| Standards laid down by MoEF&CC  |                                  |                    |           |  |             |  |  |  |
| Core Zone   |                                  |                    |           |  |             |  |  |  |
| Buffer Zone   |                                  |                    |           |  |             |  |  |  |
| <b>d) Noise Level</b><br><table border="1"> <tr> <td colspan="2">Standards laid down by DGMS</td> </tr> <tr> <td>Core Zone</td> <td></td> </tr> <tr> <td>Buffer Zone</td> <td></td> </tr> </table>                    | Standards laid down by DGMS      |                    | Core Zone |  | Buffer Zone |  |  |  |
| Standards laid down by DGMS   |                                  |                    |           |  |             |  |  |  |
| Core Zone   |                                  |                    |           |  |             |  |  |  |
| Buffer Zone   |                                  |                    |           |  |             |  |  |  |
| <b>e) Ground Vibration</b><br><table border="1"> <tr> <td colspan="2">Standards laid down by DGMS</td> </tr> <tr> <td>Core Zone</td> <td></td> </tr> <tr> <td>Buffer Zone</td> <td></td> </tr> </table>               | Standards laid down by DGMS      |                    | Core Zone |  | Buffer Zone |  |  |  |
| Standards laid down by DGMS   |                                  |                    |           |  |             |  |  |  |
| Core Zone   |                                  |                    |           |  |             |  |  |  |
| Buffer Zone   |                                  |                    |           |  |             |  |  |  |

**Geology :**

**Uses of Minerals :**

**Mineral Specifications:-**

| <b>Sr. No.</b>              | <b>Name of the Minerals</b> | <b>Physical specifications (Indicative only)</b>       | <b>Chemical specifications (Indicative only)</b> |
|-----------------------------|-----------------------------|--|--|
| <b>1</b>                    | <b>2</b>                    | <b>3</b>   | <b>4</b>   |
| <b>FLUORSPAR / FLUORITE</b> |                             |  |  |
| 1                           | Fluorspar Lumps             | Plus 25 mm Lumps                                       | <b>CaF<sub>2</sub></b> : Plus 85 %               |
| 2                           | Fluorspar Lumps             | Plus 25 mm Lumps                                       | <b>CaF<sub>2</sub></b> : Plus 80 % to 85 %       |
| 3                           | Fluorspar Lumps             | Plus 25 mm to 80 mm Lumps or small as per availability | <b>CaF<sub>2</sub></b> : Plus 75 % to 80 %       |
| 4                           | Fluorspar Lumps             | Plus 25 mm to 80 mm Lumps or small as per availability | <b>CaF<sub>2</sub></b> : Plus 70 % to 75 %       |
| 5                           | Fluorspar Lumps             | Plus 25 mm to 80 mm Lumps or small as per availability | <b>CaF<sub>2</sub></b> : Plus 65 % to 70 %       |
| 6                           | Fluorspar Lumps             | Plus 25 mm to 80 mm Lumps or small as per availability | <b>CaF<sub>2</sub></b> : Plus 60 % to 65 %       |
| 7                           | Fluorspar Lumps             | Plus 25 mm to 80 mm Lumps or small as per availability | <b>CaF<sub>2</sub></b> : Plus 55 % to 60 %       |
| 8                           | Fluorspar Lumps             | Plus 25 mm to 80 mm Lumps or small as per availability | <b>CaF<sub>2</sub></b> : Plus 50 % to 55 %       |
| 9                           | Fluorspar Lumps             | Plus 25 mm to 80 mm Lumps or small as per availability | <b>CaF<sub>2</sub></b> : Plus 45 % to 50 %       |
| 10                          | Fluorspar Lumps             | Plus 25 mm to 80 mm Lumps or small as per availability | <b>CaF<sub>2</sub></b> : Plus 40 % to 45 %       |
| 11                          | Fluorspar Lumps             | Free size as per availability up to 150 mm             | <b>CaF<sub>2</sub></b> : Plus 35 % to 40 %       |
| 12                          | Fluorspar Lumps             | Free size as per availability                          | <b>CaF<sub>2</sub></b> : Plus 30 % to 35 %       |
| 13                          | Fluorspar Lumps             | Free size as per availability                          | <b>CaF<sub>2</sub></b> : Plus 25 % to 30 %       |

| <b>Sr. No.</b> | <b>Name of the Minerals</b>                    | <b>Physical specifications (Indicative only)</b>   | <b>Chemical specifications (Indicative only)</b>                                   |
|----------------|--|--|--|
| <b>1</b>       | <b>2</b>                                       | <b>3</b>   | <b>4</b>   |
| (i)            | -25 mm Dust Fines                              | -25 mm, clay contaminated fines of Fluorite, generated during sorting & sizing of ROM  | <b>CaF<sub>2</sub></b> : 40 % to 45 %  |
| (ii)           | -25 mm Dust Fines                              | -25 mm, clay contaminated fines of Fluorite, generated during sorting & sizing of ROM  | <b>CaF<sub>2</sub></b> : 45 % to 50 %  |
| (iii)          | -25 mm Dust Fines                              | -25 mm, clay contaminated fines of Fluorite, generated during sorting & sizing of ROM  | <b>CaF<sub>2</sub></b> : 50 % to 55 %  |
| (iv)           | -25 mm Dust Fines                              | -25 mm, clay contaminated fines of Fluorite, generated during sorting & sizing of ROM  | <b>CaF<sub>2</sub></b> : 55 % to 60 %  |
| (v)            | -25 mm Dust Fines                              | -25 mm, clay contaminated fines of Fluorite, generated during sorting & sizing of ROM  | <b>CaF<sub>2</sub></b> : 60 % to 65 %  |
| (vi)           | -25 mm Dust Fines                              | -25 mm, clay contaminated fines of Fluorite, generated during sorting & sizing of ROM  | <b>CaF<sub>2</sub></b> : 65 % to 70 %  |
| (vii)          | Mineralised Waste Dump                         | Dump containing fines contaminated with chert, shale, murrum, clay & other waste rock generated during mine development as "As is where is" basis Free Size. | <b>CaF<sub>2</sub></b> : 30 % to 40 %  |
| (viii)         | Fluorite Waste lumps contaminated with barytes | Fluorite lumps contaminated with Baryte  | <b>CaF<sub>2</sub></b> : 25 % to 30 %<br><br>with more than 20 % BaSO <sub>4</sub> |
| (ix)           | Fluorite Waste lumps contaminated with barytes | Fluorite lumps contaminated with Baryte  | <b>CaF<sub>2</sub></b> : 30 % to 40 % with more than 20 % BaSO <sub>4</sub>        |
| (x)            | Fluorite Waste lumps contaminated with barytes | Fluorite lumps contaminated with Baryte  | <b>CaF<sub>2</sub></b> : 30 % to 40 % & 10 % to 20 % BaSO <sub>4</sub>             |

