

FORM- 1

**“SOAPSTONE MINING”
AT
VILLAGE- BAJETA, TEHSIL-MUNSYARI,
DISTRICT- PITHORAGARH,
STATE- UTTARAKHAD
(AREA- 17.967 Ha)**

Submitted by

**M/S J.D. MINERALS
SHRI RAJENDRA SINGH DAFOTI
R/O-B-54 JUDGE FARM, CHOTI MUKHANI,
HALDWANI DISTRICT-NAINITAL (U.K.)**

Prepared by

COGNIZANCE RESEARCH INDIA PRIVATE LIMITED

GT-20, Sector-117, Noida-201301. (U.P)

Contact: +91-9910047760, +91-9415102339

Certificate No. NABET/EIA/1922/RA0151, Valid Till: Fab3,2022

Project: Soapstone Mine
Proponent: Shri Rajendra Singh Dafoti
Area: 17.967 Ha
Village: Bajeta, **Tehsil:** Munsyari,
District: Pithoragarh, **State:** Uttarakhand

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Basic Information

| S. No. | Item | Details | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|---|-----------|------|---------------------|----|----------------------|---------------|----|----------------------|----------------------|----|----------------------|---------------|----|----------------------|---------------|----|----------------------|---------------|--------------|---------------|---------------|---|---------------|---------------|---|---------------|---------------|---|---------------|---------------|----|---------------|---------------|----|---------------|---------------|----|---------------|---------------|----|---------------|--------------|----|---------------|---------------|----|--------------|---------------|
| 1. | Name of the project/s | Bajeta Soapstone Mine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | S. No. in the schedule | 1(a)i | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Proposed capacity/area/length/tonnage to be handled / command and area/lease area/number of wells to be drilled. | <p>Area:17.967 Ha Yearly proposed production in Tonnes is mentioned below:</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Year</th> <th>Production (Tonnes)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>1stYear</td> <td>9435</td> </tr> <tr> <td>2.</td> <td>2nd Year</td> <td>11511</td> </tr> <tr> <td>3.</td> <td>3rd Year</td> <td>13404</td> </tr> <tr> <td>4.</td> <td>4thYear</td> <td>15631</td> </tr> <tr> <td>5.</td> <td>5thYear</td> <td>18250</td> </tr> <tr> <td colspan="2">Total</td> <td>68231</td> </tr> </tbody> </table> <p>Proposed Production: 9435 TPA upto 18250 TPA (1st to 5th Year) Maximum Proposed Capacity: 18250 TPA in 5th Year</p> | S.No. | Year | Production (Tonnes) | 1. | 1 st Year | 9435 | 2. | 2 nd Year | 11511 | 3. | 3 rd Year | 13404 | 4. | 4 th Year | 15631 | 5. | 5 th Year | 18250 | Total | | 68231 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.No. | Year | Production (Tonnes) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | 1 st Year | 9435 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | 2 nd Year | 11511 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | 3 rd Year | 13404 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | 4 th Year | 15631 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | 5 th Year | 18250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | 68231 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | New / Expansion / Modernization | <p>New</p> <p>This is fresh grant case of mining lease & State Govt. has given its consent to grant mining lease for a period of 50 years.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Existing Capacity / Area etc. | <p>9435 TPA upto 18250 TPA end of 5th Year Area: 17.967Ha</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Category of Project i.e. `A` or `B` | Category B(1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | Does it attract the general condition? If yes, please specify | No, It does not attract general condition | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | Does it attract the specific condition? If yes, please specify | No, it does not attract specific condition | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | Location | <p>GPS Co-ordinates of the Project Site:</p> <table border="1"> <thead> <tr> <th>Pillar No</th> <th>N</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>29°56'44.53"N</td> <td>80°13'52.85"E</td> </tr> <tr> <td>2</td> <td>29°56'45.58"N</td> <td>80°13'51.75"E</td> </tr> <tr> <td>3</td> <td>29°56'46.82"N</td> <td>80°13'52.61"E</td> </tr> <tr> <td>4</td> <td>29°56'46.84"N</td> <td>80°13'55.03"E</td> </tr> <tr> <td>5</td> <td>29°56'47.65"N</td> <td>80°13'54.76"E</td> </tr> <tr> <td>6</td> <td>29°56'48.00"N</td> <td>80°13'57.50"E</td> </tr> <tr> <td>7</td> <td>29°56'49.47"N</td> <td>80°13'57.54"E</td> </tr> <tr> <td>8</td> <td>29°56'49.36"N</td> <td>80°13'55.82"E</td> </tr> <tr> <td>9</td> <td>29°56'50.45"N</td> <td>80°13'56.95"E</td> </tr> <tr> <td>10</td> <td>29°56'51.93"N</td> <td>80°13'57.15"E</td> </tr> <tr> <td>11</td> <td>29°56'52.40"N</td> <td>80°13'58.44"E</td> </tr> <tr> <td>12</td> <td>29°56'52.66"N</td> <td>80°13'57.42"E</td> </tr> <tr> <td>13</td> <td>29°56'58.94"N</td> <td>80°14'0.20"E</td> </tr> <tr> <td>14</td> <td>29°56'59.87"N</td> <td>80°13'52.43"E</td> </tr> <tr> <td>15</td> <td>29°57'4.55"N</td> <td>80°13'54.69"E</td> </tr> </tbody> </table> | Pillar No | N | E | 1 | 29°56'44.53"N | 80°13'52.85"E | 2 | 29°56'45.58"N | 80°13'51.75"E | 3 | 29°56'46.82"N | 80°13'52.61"E | 4 | 29°56'46.84"N | 80°13'55.03"E | 5 | 29°56'47.65"N | 80°13'54.76"E | 6 | 29°56'48.00"N | 80°13'57.50"E | 7 | 29°56'49.47"N | 80°13'57.54"E | 8 | 29°56'49.36"N | 80°13'55.82"E | 9 | 29°56'50.45"N | 80°13'56.95"E | 10 | 29°56'51.93"N | 80°13'57.15"E | 11 | 29°56'52.40"N | 80°13'58.44"E | 12 | 29°56'52.66"N | 80°13'57.42"E | 13 | 29°56'58.94"N | 80°14'0.20"E | 14 | 29°56'59.87"N | 80°13'52.43"E | 15 | 29°57'4.55"N | 80°13'54.69"E |
| Pillar No | N | E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 29°56'44.53"N | 80°13'52.85"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 29°56'45.58"N | 80°13'51.75"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 29°56'46.82"N | 80°13'52.61"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 29°56'46.84"N | 80°13'55.03"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 29°56'47.65"N | 80°13'54.76"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 29°56'48.00"N | 80°13'57.50"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 29°56'49.47"N | 80°13'57.54"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 29°56'49.36"N | 80°13'55.82"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 29°56'50.45"N | 80°13'56.95"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 29°56'51.93"N | 80°13'57.15"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 29°56'52.40"N | 80°13'58.44"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 29°56'52.66"N | 80°13'57.42"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 29°56'58.94"N | 80°14'0.20"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 29°56'59.87"N | 80°13'52.43"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 29°57'4.55"N | 80°13'54.69"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Project: Soapstone Mine
Proponent: Shri Rajendra Singh Dafoti
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| S. No. | Item | Details | | |
|--------|---|--|----------------------|---------------------|
| | | | | |
| | | 16 | 29°57'10.09"N | 80°14'1.17"E |
| | | 17 | 29°57'13.58"N | 80°14'2.91"E |
| | | 18 | 29°57'12.84"N | 80°14'8.04"E |
| | | 19 | 29°57'10.82"N | 80°14'8.73"E |
| | | 20 | 29°57'10.39"N | 80°14'6.24"E |
| | | 21 | 29°57'8.96"N | 80°14'4.75"E |
| | | 22 | 29°57'8.86"N | 80°14'3.38"E |
| | | 23 | 29°57'5.10"N | 80°14'3.31"E |
| | | 24 | 29°57'0.71"N | 80°14'7.53"E |
| | | 25 | 29°57'0.47"N | 80°14'7.09"E |
| | | 26 | 29°57'0.26"N | 80°14'7.95"E |
| | | 27 | 29°56'59.34"N | 80°14'8.96"E |
| | | 28 | 29°56'52.40"N | 80°14'4.53"E |
| | | 29 | 29°56'51.90"N | 80°14'4.88"E |
| | | 30 | 29°56'49.83"N | 80°14'4.60"E |
| | | 31 | 29°56'49.14"N | 80°14'5.50"E |
| | | 32 | 29°56'49.06"N | 80°14'4.67"E |
| | | 33 | 29°56'49.88"N | 80°14'3.53"E |
| | | 34 | 29°56'49.53"N | 80°14'3.06"E |
| | | 35 | 29°56'47.40"N | 80°14'5.57"E |
| | | 36 | 29°56'46.69"N | 80°14'3.42"E |
| | | 37 | 29°56'49.09"N | 80°14'1.59"E |
| | Plot / Survey / Khasra No. | - | | |
| | Village | Bajeta | | |
| | Tehsil | Munsyari | | |
| | District | Pithoragarh | | |
| | State | Uttarakhand | | |
| 10. | Nearest railway station / airport along with distance in km. | Nearest Railway Station: Kathgodam, 100.6 Km, SW Airport: NainiSaini Airport, Pithoragarh, 39.66 km,S | | |
| 11. | Nearest Town, city, District Headquarters along with distance in km. | Nearest Town Munsyari, 13.13 km,N , District Headquarter; Pithoragarh ,40.97Km ,S | | |
| 12. | Village Panchayats, ZillaParishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given) | GramPanchayat- Bajeta ZilaPanchayat- Pithoragarh | | |
| 13. | Name of the applicant | Shri Rajendra Singh Dafoti | | |
| 14. | Registered Address | Shri Rajendra Singh Dafoti B-54 Judge Farm, Choti Mukhani, Haldwani District-Nainital (U.K.) | | |
| 15. | Address for correspondence : | | | |
| | Name | Shri Rajendra Singh Dafoti | | |
| | Designation (Owner / Partner / CEO) | Owner | | |
| | Address | Shri Rajendra Singh Dafoti B-54 Judge Farm, Choti Mukhani, Haldwani District-Nainital (U.K.) | | |

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| S. No. | Item | Details |
|------------|---|--|
| | Pin Code | |
| | E-mail | jadminerals@gmail.com |
| | Telephone No. | 9917139439, 7017390003 |
| | Fax No. | None |
| 16. | Details of alternative sites examined, if any. Location of these sites should be shown on a toposheet | Mineral is naturally occurring resource and this is a site specific project. Hence no alternative sites can be chosen. |
| 17. | Interlinked Projects | No |
| 18. | Whether separate application of interlinked project has been submitted? | No |
| 19. | If yes, date of submission | Not Applicable |
| 20. | If no, reason | No |
| 21. | Whether the proposal involves approval/ clearance under: if yes, details of the same and their status to be given. (a) The Forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972? (c) The C.R.Z Notification, 1991? | No Not Applicable No Not Applicable No Not Applicable No |
| 22. | Whether there is any Government Order / Policy relevant / relating to the site? | Not applicable |
| 23. | Forest land involved (hectares) | The Project site is free from Forest Land |
| 24. | Whether there is any litigation pending against the project and / or land in which the project is propose to be set up? (a) Name of the Court (b) Case No. (c) Orders/directions of the Court, if any and its relevance with the proposed project. | No |

Activity

1.0 Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

| S. No. | Information/Checklist Confirmation | Yes/No | Details thereof (with approximate quantities /rates, wherever possible) with source of information data. |
|------------|---|--------|--|
| 1.1 | Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan). | Yes | The project area has been earmarked for the mining of Soapstone by the Government of Uttarakhand. The Topography of the core zone will be changed due to the mining operation in the form of mine pits, surface dumps, haulage roads, infrastructural facilities, etc. |

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| S. No. | Information/Checklist Confirmation | Yes/No | Details thereof (with approximate quantities /rates, wherever possible) with source of information data. |
|--------|--|--------|---|
| 1.2 | Clearance of existing land, vegetation and buildings? | No | Not Applicable |
| 1.3 | Creation of new land uses? | No | The lease area will continue to be agriculture land with exposed soapstone. However, part of the area will be used for plantation. |
| 1.4 | Pre-construction investigations e.g. bore holes, soil testing? | No | Not Applicable |
| 1.5 | Construction works? | No | Not Applicable |
| 1.6 | Demolition works? | No | Not Applicable |
| 1.7 | Temporary sites used for construction works or housing of construction workers | No | No construction is required |
| 1.8 | Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations. | Yes | Mining will be done according to mine plan. |
| 1.9 | Underground works including mining or tunneling? | No | No underground workings are proposed. There will be only open cast mechanized mine. |
| 1.10 | Reclamation works? | Yes | As the mining pit reaches its maximum economical depth, backfilling shall be commenced to restore maximum original topography of the area. The backfilled pit shall be levelled it & put it use for agriculture. |
| 1.11 | Dredging? | No | Not applicable |
| 1.12 | Offshore structures? | No | Not applicable |
| 1.13 | Production and manufacturing processes? | No | The mining will be done according to the mining plan. |
| 1.14 | Facilities for storage of goods or materials? | No | No storage is required as collected/extracted material will be transported simultaneously to the destined Places. |
| 1.15 | Facilities for treatment or disposal of solid waste or liquid effluents? | No | Due to mining waste shall be generated & dump for short duration towards slope side of working pits secured with series of retaining walls for its stabilization. Before the commencement of monsoon, all quantities of waste shall be filled back in the mined out pit to avoid siltation of drainages during heavy showers. After over the monsoon, |

| S. No. | Information/Checklist Confirmation | Yes/No | Details thereof (with approximate quantities /rates, wherever possible) with source of information data. |
|--------|---|--------|--|
| | | | the waste accumulated in the pit shall be rehandled by means of an excavator & dump towards slope side. As the mining pit reaches its maximum economical depth, backfilling shall be commenced, levelled it & put it use for agriculture. The past mining land use should be agriculture land. |
| 1.16 | Facilities for long term housing of operational workers? | No | Laborers from nearby areas will be hired hence no need of housing. Temporary site office and rest shelters will be made. |
| 1.17 | New road, rail or sea traffic during construction or operation? | No | No new rail, road is expected during construction & operation, the existing roads & infrastructure is sufficient for the process. |
| 1.18 | New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc? | No | The existing road facility is adequate for meeting additional traffic intensity during operational phase of mine. |
| 1.19 | Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements? | No | No closure or diversion of existing transport routes or infrastructure will take place. |
| 1.20 | New or diverted transmission lines or pipelines? | No | As there will be no large scale electricity or water requirement for the project, therefore no transmission lines or pipelines are involved. |
| 1.21 | Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers? | No | As such there will be no impounding or damming throughout the year excepting monsoon when rain water will be collected in the excavated pits. Water so accumulated water will contribute to base flow. |
| 1.22 | Stream crossings? | No | No stream/river crossing through the site. One Seasonal Nalla Exist within the area towards south flank which flows north-west to south-east direction. |
| 1.23 | Abstraction or transfers of water form ground or surface waters? | No | No abstraction of natural flow of water in the form of ground or surface water in the lease area. Working will be done above water table. Water requirement of 5.41 KLD will be met from tanker supply. Potable tankers will be the |

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|--------|--|--------|--|
| | | | source of the water. |
| 1.24 | Changes in water bodies or the land surface affecting drainage or run-off? | No | No changes in the water bodies, drainage or runoff are anticipated. |
| 1.25 | Transport of personnel or materials for construction, operation or decommissioning? | Yes | During operational phase, labor/personnel shall arrange for their own means of transport either on foot or by bicycle etc. to reach to the mine site. However excavated mineral during operational phase of mine shall be transported by trucks/ tippers/ trolleys hired on contractual basis. |
| 1.26 | Long-term dismantling or decommissioning or restoration works? | No | Long-term dismantling or decommissioning or restoration works are not involved. |
| 1.27 | Ongoing activity during decommissioning which could have an impact on the environment? | No | Not Applicable. |
| 1.28 | Influx of people to an area in either temporarily or permanently? | No | No temporary or permanent influx of people is envisaged. The quarrying will be carried out during day time by deploying local workers, who will commute from their home. |
| 1.29 | Introduction of alien species? | No | Only locally thriving species will be planted. |
| 1.30 | Loss of native species or genetic diversity? | No | No such loss in anticipated, as the mining area is agriculture land practically devoid of any vegetation. |
| 1.31 | Any other actions? | No | Not Applicable |

2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

| S. No. | Information/checklist Confirmation | Yes/No | Details thereof (with approximate quantities /rates, wherever possible) with source of information data |
|--------|---|--------|---|
| 2.1 | Land especially undeveloped or agricultural land (ha) | No | Mining is proposed in agriculture land & land owner has given their consent to carryout mining activities in their respective land. |

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| S. No. | Information/checklist Confirmation | Yes/No | Details thereof (with approximate quantities /rates, wherever possible) with source of information data |
|--------|---|--------|---|
| 2.2 | Water (expected source & competing users) unit: KLD | Yes | Total approx. 5.41 KLD of water shall be required for drinking purpose, green belt development and dust suppression and daily visiting workers. The water requirement shall be met through Tanker Supply. |
| 2.3 | Minerals (MT) | No | As this is Soapstone mineral mining project, so no other minerals are used in it. |
| 2.4 | Construction material – stone, aggregates, Gitti / soil (expected source – MT) | No | No construction material is required for this project. Only temporary office, rest shelter will be provided. |
| 2.5 | Forests and timber (source – MT) | No | Not Applicable |
| 2.6 | Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW) | No | It is opencast mechanized mining. Mining operations shall be carried out during day time in single shift only. There is no need of electricity & fuels. |
| 2.7 | Any other natural resources (use appropriate standard units) | No | No other natural resources will be used. |

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

| S. No. | Information/Checklist Confirmation | Yes/No | Details thereof (with approximate quantities/ rates, wherever possible) with source of information data |
|--------|--|--------|--|
| 3.1 | Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies) | No | Suitable drainages and waste management measures have been adopted. This restricts stagnation of water or accumulation of water. Periodically health check-up shall be carried out to the workers engaged for mining activities. |
| 3.2 | Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases) | No | Suitable drainage and waste management measures have been adopted. This restricts stagnation of water or accumulation of water. Periodically health check-up shall be carried out to the workers engaged for mining activities. No change in occurrence of disease, |

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| S. No. | Information/Checklist Confirmation | Yes/No | Details thereof (with approximate quantities/ rates, wherever possible) with source of information data |
|--------|---|--------|---|
| | | | due to proposed mining project. |
| 3.3 | Affect the welfare of people e.g. by changing living conditions? | Yes | Mining is proposed in agriculture land. Therefore, it is expected that due to this activity benefits will be more than the losses. Project will have a positive effect on the welfare of local people by providing direct and indirect employment opportunity. |
| 3.4 | Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc. | No | No hospital, school exists nearby the mine lease area up to 500 m radius from the mine site. |
| 3.5 | Any other causes | Yes | Mining Operations mainly contribute to generation of dust i.e. fugitive dust emission. Sufficient measures have been included in Environment Management Plan to mitigate the adverse effect. |

4.0 Production of solid wastes during construction or operation or decommissioning (MT/month)

| S. No. | Information/Checklist Confirmation | Yes/No | Details thereof (with approximate quantities/rates, wherever possible) with source of information data |
|--------|---|--------|---|
| 4.1 | Spoil, overburden or mine wastes | Yes | Waste shall be generated due to mining activities & dump towards slope side of working pits secured with series of retaining walls. As the mining pits shall reach its optimum economical depth, waste shall be filled in the mined out pits to restore the maximum original topography of the area & shall be used for agriculture purpose. The ultimate depression with respect to original topography shall be 2.0m. |
| 4.2 | Municipal waste (domestic and or commercial wastes) | Yes | Domestic and municipal waste, generated by the employees in the rest room, will be collected in bins and |

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|--------|--|--------|---|
| | | | utilized for composting. |
| 4.3 | Hazardous wastes (as per Hazardous Waste Management Rules) | No | Not Applicable |
| 4.4 | Other industrial process wastes | No | Not Applicable |
| 4.5 | Surplus product | No | No surplus product will be produced as excavation shall be done as per the demand and will be directly sent to destined places. |
| 4.6 | Sewage sludge or other sludge from effluent treatment | No | Not Applicable |
| 4.7 | Construction or demolition wastes | No | Not Applicable |
| 4.8 | Redundant machinery or equipment | Yes | Redundancy of machinery or equipment, if any, will be disposed through authorized recyclers/ agencies. |
| 4.9 | Contaminated soils or other materials | No | No contaminated soil or other materials are envisaged. |
| 4.10 | Agricultural wastes | No | No Agricultural waste will be produced |
| 4.11 | Other solid wastes | No | No other solid waste will be generated |

5.0 Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)

| S. No. | Information/Checklist confirmation | Yes/No | Details thereof (with approximate quantities/ rates, wherever possible) with source of information data |
|---------------|---|---------------|---|
| 5.1 | Emissions from combustion of fossil fuels from stationary or mobile sources | Yes | Emissions from transport vehicles are anticipated during operation of the quarry. |
| 5.2 | Emissions from production processes | Yes | Some dust will be generated during excavation of Soapstone which will be temporary in nature & for a short duration. It can be controlled by sprinkling of water at regular interval of time. |
| 5.3 | Emissions from materials handling including storage or transport | Yes | Regular water sprinkling shall be done to minimize dust emission likely to be generated from movement of vehicles and mining activities. Insignificant fugitive dust will be generated during loading and transportation of mine products. |
| 5.4 | Emissions from construction activities including plant and equipment | No | No construction activity is envisaged. Hence, no emissions are anticipated. |
| 5.5 | Dust or odors from handling of materials including construction materials, sewage and waste | No | Water sprinkling and dust collection system will be adopted wherever necessary so that the impact on the environment will be minimal. Handling of construction materials, sewage and waste is not envisaged. |
| 5.6 | Emissions from incineration of waste | No | No incineration will be done. |
| 5.7 | Emissions from burning of waste in open air (e.g. slash materials, construction debris) | No | No such activity will take place. |
| 5.8 | Emissions from any other sources | No | None |

6.0 Generation of Noise and Vibration, and Emissions of Light and Heat

| S. No. | Information/Checklist confirmation | Yes/No | Details thereof (with approximate quantities/rates, wherever possible) with source of information data with source of information data |
|--------|---|--------|--|
| 6.1 | From operation of equipment e.g. engines, ventilation plant, crushers | Yes | Noise will be generated during mining Operation which will be negligible to the surroundings. All the equipment's will be regularly maintained to keep noise level within the prescribed limit. |
| 6.2 | From industrial or similar processes | No | No industrial process is involved at mine lease area. |
| 6.3 | From construction or demolition | No | No construction or demolition is proposed. |
| 6.4 | From blasting or piling | Yes | It will be open cast, mechanized mine. Soapstone(Talc) is soft minerals, its hardness has been considered as 1 on moh's hardness scale which can be mined easily therefore, there is no need of drilling and blasting for soapstone mining. <i>Source: Approved Mining Plan</i> |
| 6.5 | From construction or operational traffic | No | Transport of mineral will generate noise. |
| 6.6 | From lighting or cooling systems | No | Lighting arrangement will be done as per MMR 1961, Regulation 146. |
| 6.7 | From any other sources | No | Not Applicable |

7.0 Risks of contamination of land or water from releases of pollutants into the ground or into

sewers, surface waters, groundwater, coastal waters or the sea:

| S. No. | Information/Checklist Confirmation | Yes/No | Details thereof (with approximate quantities/ rates, wherever possible) with source of information data. |
|--------|---|--------|---|
| 7.1 | From handling, storage, use or spillage of hazardous materials | No | Mining shall be carried out without adoption of drilling and blasting. No explosive shall be required for soapstone mining. |
| 7.2 | From discharge of sewage or other effluents to water or the land (expected mode and place of discharge. | No | No effluent will be generated. |
| 7.3 | By deposition of pollutants emitted to air into the land or into water | No | Water sprinkling is being done and proper plantation shall be maintained to minimize the environmental impact. Fugitive dust may get deposited into |

| S. No. | Information/Checklist Confirmation | Yes/No | Details thereof (with approximate quantities/ rates, wherever possible) with source of information data. |
|--------|---|--------|--|
| | | | surrounding area which will have negligible impact. |
| 7.4 | From any other sources | No | None |
| 7.5 | Is there a risk of long term buildup of pollutants in the environment from these sources? | No | Emission of particulate matter will be controlled through water spray at regular intervals. Therefore, long-term buildup of Pollutants is not a problem. |

8.0 Risk of accidents during construction or operation of the Project, which could affect human health or the environment

| S. No. | Information/Checklist confirmation | Yes/No | Details thereof (with approximate quantities/rates, wherever possible) with source of information data |
|--------|---|--------|---|
| 8.1 | From explosions, spillages, fires etc. from storage, handling, use or production of hazardous substances | Yes | All appropriate measures will be taken as described in mining and environment management plan (prescribed in MMR 1961) during operations. Mining will be done open cast in a safe and scientific manner and precaution will be taken against all risks as per norms prescribed by DGMS. |
| 8.2 | From any other causes | Yes | Risk of accidents expected: 1. During loading of minerals into Truck/ tippers-trolley. 2. During transportation. Accidents can be avoided by taking good safety practices. |
| 8.3 | Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)? | Yes | Possibility of earthquake as the area falls in Seismic Zone-V (Very Severe Intensity Zone). Although complete precautions will be taken during the project activity to suppress the chances of any accident. |

9.0 Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality.

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| S. No. | Information/Checklist Confirmation | Yes/No | Details thereof (with approximate quantities/rates, wherever possible) with source of information data |
|--------|--|--------|---|
| 9.1 | Leads to development of supporting Utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: | No | There will be no development of supporting utilities, ancillary development or development stimulated by the project which could affect the environment. |
| | • Supporting infrastructure (roads, power supply, waste or waste water treatment etc.) | No | Not Applicable |
| | • Housing development | No | Not Applicable |
| | • Extractive industries | No | Not Applicable |
| | • Supply industries | No | Not Applicable |
| | • Other | No | Not Applicable |
| 9.2 | Lead to after-use of the site, which could have an impact on the environment. | No | The lease area is stony terrain so it is not feasible to undertake the plantation with in lease hold. The plantation will be undertaken outside the lease area. |
| 9.3 | Set a precedent for later developments. | No | The lessee intends to go for proper and planned development of the area, which will set a precedence to follow by other lessees in the area. |
| 9.4 | Have cumulative effects due to proximity to other existing or planned projects with similar effects. | No | No other mine lease is located within 500m radius of mine lease area. |

Environmental Sensitivity:

| S. No. | Areas | Name/Identity | Aerial distance (within 15 Km) Proposed project location boundary |
|--------|---|---------------|---|
| 1. | Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value. | None | None |
| 2. | Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests. | None | None |
| 3. | Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration. | None | None |

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| S. No. | Areas | Name/Identity | Aerial distance (within 15 Km) Proposed project location boundary |
|--------|--|---|--|
| 4. | Inland, coastal, marine or underground waters. | None | None |
| 5. | State, National boundaries. | None | None |
| 6. | Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas. | Jaulijibi- Madkote Road SH-11 | 6.61 Km East 9.95 Km, West |
| 7. | Defense installations. | None | None |
| 8. | Densely populated or built-up area. | Bajeta Selmali Dungari Bansbagad | -1.15 km, East - 2.12Km, NE - 1.56Km, North - 2.17Km, South |
| 9. | Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>). | Education – Rajkiya Inter College, Tejam Hospital – C. H. C munsyari Worship - Sundhari Nag Temple, Gadera | -10.23 Km, SW -13.23 Km, N -5.10 km, SW |
| 10. | Areas containing important, high quality or scarce resources. (<i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i>) | No | Nil |
| 11. | Areas already subjected to pollution or environmental damage. (<i>those where existing legal environmental standards are exceeded</i>) | No | None |
| 12. | Areas susceptible to natural hazard which could cause the project to present environmental problems (<i>earthquakes, subsidence, landslides, erosion, flooding or extreme adverse climatic conditions</i>) | The lease area falls under Seismic Zone-V (Very Severe Intensity Zone), which indicates high possibility of earthquake. | |

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(IV) Proposed Terms of Reference for EIA studies: Applicable

UNDERTAKING

I hereby given undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance give, if any to the project will be revoked at our risk and cost.

Date: _____

Place: _____

Signature of the applicant

Shri Rajendra Singh Dafoti
B-54 Judge Farm, Choti
Mukhani, Haldwani
District- Nainital (U.K.)

Note:

1. The projects involving clearance under coastal Regulation zone Notification, 1991 shall submit with the application a C.R.Z map duly demarcated by one of the authorized agencies, showing project activities, w.r.t. C.R.Z (at the stage of TOR) and the recommendations of the State coastal zone Management Authority (at the stage of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z. Notification, 1991 for the activities to be located in the CRZ.
2. The projects to be located within 10 km of the National parks, sanctuaries, BiosphereReserves, Migratory corridors of wild Animals, the project proponent shall submit the map duly authenticated by chief wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon (at the stage of EC).
3. All correspondence with the Ministry of Environment & Forests including submission of application for TOR/Environmental Clearance, subsequent clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project.