

State Level Expert Appraisal Committee, Uttarakhand
"Gauradevi Paryavaran Bhawan, 3rd Floor,
46-B, I.T. Park, Sahastradhara Road, Dehradun"

Letter No: **44/SEAC**
Dated: **20** December, 2023

The First day of 17th meeting of the Uttarakhand State Level Expert Appraisal Committee (SEAC) was held on 20th December, 2023 at the SEIAA/SEAC office Dehradun. The following were present at the meeting –

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|-------------------------------|------------------|
| 1) Shri Shailendra Singh Bist | Chairman |
| 2) Dr. Ashwani Kumar Minocha | Member |
| 3) Dr. Ashutosh Gautam | Member |
| 4) Dr. Basudev Prasad Purohit | Member |
| 5) Shri Nitish Mani Tripathi | Member Secretary |

The meeting was presided by Shri S.S. Bist. The meeting proceeded as per the agenda with permission of the chair. It was noted that proposals, for the meeting, being considered for the appraisal includes Industrial & Mining (R.B.M/Soapstone/Quartzite Boulders) etc. The concerned recognized environment consultants of the proponents made the presentations.

Consideration/Reconsideration of Proposals For Environmental Clearance (E.C.)

Proposal – 1

| | |
|---|--|
| Online proposal No. | SIA/UK/IND1/453357/2023 |
| Name of the Project | Proposed Expansion for Manufacturing of M.S. Billets and Rolling Mills products at Plot no. A-1/2, UPSIDC Industrial Area, Village - Landhaura, Tehsil - Roorkee, District - Haridwar. |
| Name & Address of Proponent | M/s Radiant Bar Private Limited by Shri Mohd. Ibrahim (Director) |
| Whether New/Expansion/Modernization Project | Expansion |
| Total Plot Area | 25,158.00 m ² |
| Project Category | B1 & 3(a) Metallurgical industries (ferrous & non ferrous) as enlisted in project /activity as per EIA Notification, 2006 |

The project was submitted vide proposal no SIA/UK/IND1/453357/2023 on dated 29th November, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Expansion for Manufacturing of M.S. Billets and Rolling Mills products. **The committee considered the proposal after EIA/EMP & Public Hearing.** The committee observed that the ToR was granted by the SEAC in its 11th Meeting dated- 25.07.2023, the ToR letter was issued vide letter No.- 309/SEIAA dated- 14.08.2023. The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation measures, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc. **Project was prepared by Accredited consultancy firm Enviro Infra Solutions Pvt. Ltd. and project was presented by Shri Deepak Pandey, EIA Coordinator.** The details of the project are as follows:-

| S.No | Parameters | Description |
|------|-------------------------|---|
| 1. | Products and quantity | M.S. Billets: (Current capacity 28,500 M.T.A), Rolling Mill products: (Current capacity 24,000 MT per Annum) to 2,50,000 MT per Annum |
| 2. | Estimated Project Cost | Existing project cost: Rs. 32.42 Cr Proposed expansion cost: Rs. 7.22 Cr Total project cost: Rs. 40.84 Cr |
| 3. | Total Plot Area | 25,158 sq. m |
| 4. | Proposed Green Area | 8928.58 sq. m. |
| 5. | Fresh Water Consumption | 24 KLD |
| 6. | Fresh Water Source | Bore Well |
| 7. | Power Demand | Existing: 9,900 KVA Proposed for Expansion: 9,900 KVA Total: 19,800 KVA |



| | | |
|-----|--------------------------|---|
| 8. | Power back up | D.G Set of 125 KVA, 63 KVA and 1010 KVA |
| 9. | Wastewater Management | No waste water will be disposed outside of company premise. The water is used for cooling purposes and is reused with recirculation system and remains as fresh water. Further the metal is melted with induction process and not by electrodes in furnace. Hence it does not generate any type of carbon in the process. Only domestic effluent will be discharged and treated by septic tank and finally disposed of to soakage pit |
| 10. | Steam and heating system | Induction Furnaces |
| 11. | Fuel Consumption | Coal is used as fuel for Reheating furnace and will be required at the tune of 730.0 Tons per month after expansion. |

Land use details:

| S.No. | Parameter | Area in SQM |
|-------|---|-------------------------|
| A. | Total Plot Area | 25158.80 |
| | Total covered area Ground Floor | |
| i. | Existing Covered area at induction furnace | 3285.30 |
| ii. | Existing Covered area at Scrap Yard | 284.075 |
| iii. | Existing Covered area at Store | 457.50 |
| iv. | Existing Covered area at Workshop Angle | 1729.19 |
| v. | Existing Covered area at TMT Workshop | 1320.00 |
| vi. | Existing Covered area at Steel Workshop | 968.88 |
| vii. | Existing Covered area at TMT Mill | 1585.38 |
| viii. | Existing Covered area at Finish Yard | 1824.76 |
| ix. | Pro Covered area at Scrap Yard | 284.07 |
| x. | Existing Covered area at TMT Panel Room | 7.12 |
| xi. | Existing Covered area at Pollution Panel Room | 29.22 |
| xii. | Existing Covered area at Guard Room | 18.00 |
| | Total covered area First Floor | |
| xiii. | Existing Covered area at TMT Panel Room | 7.12 |
| 2. | Open area (Paved area) | 11793.49 |
| 3. | Greenbelt Area | 8928.58 |
| 4. | Setback area | 6241.11 |
| 1. | Parking Area | |
| i. | Parking for Two-wheeler | 63.46 ECS (1440.02 SQM) |
| ii. | Parking for Four-wheeler | 26.83 ECS (617.13 SQM) |
| 2. | Rainwater Harvesting Tank | 135 |

Raw material details:

| S.No. | Major Raw Material | Raw Material Quantity (MT/annum) | Avg. consumption per month | Source | Mode of Transport |
|-------|--------------------|----------------------------------|----------------------------|---------------------------------|-------------------|
| 1. | MS Scrap | 1,50,000 | 12500 | Open Market | Road |
| 2. | Sponge Iron | 1,25,000 | 10417 | Open Market | Road |
| 3. | Billets | 2,65,000 | 22083 | Open Market / Own manufacturing | Road |

Domestic Water Demand and Effluent Generation:

| S.No. | Uses | Population/ area | Consumption rate | Water requirement [KLD] | Domestic Effluent [KLD] |
|-------|--------------------------------------|------------------|------------------|-------------------------|-------------------------|
| 1 | Domestic uses [drinking, sanitation] | 130 | 0.06 | 6.00 | 4.00 |
| 2 | Flushing water | NA | | | |
| 3 | Canteen Facility | NA | | | |
| 4 | Housekeeping | NA | | | |
| 5 | Gardening | 8928.58 | | 2.00 | |
| | Total | | | 8.00 | |

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Industrial Water Demand and Effluent Generation:

| S.No. | Uses | Water requirement [KLD] | Effluent Generation [KLD] |
|-------|------------------------------|-------------------------|---------------------------|
| 1 | Process - Boiler Chiller | NA | |
| 2 | Cooling Tower make up | 14.0 | N/A |
| 3 | Laboratory | NA | |
| 4 | APC devices [Fume scrubber] | 2.0 | N/A |
| 5 | Rejects from Water Treatment | NA | |
| | Total | 16.0 | N/A |

Solid waste details:

| S.No. | Waste Detail | Quantity Generation | Utilization/Disposal |
|-------|--|---|---|
| 1 | Process waste [Category 21.1] | 1. Solid waste in the form of Iron slag of 22.75 Tons per day. 2. Coke ash from Reheating Furnace will be generated in the tune of 7.95 Tons per day | 1. Iron slag after processing will be sold out to authorized dealer. 2. Ash will be used for filling of low-lying areas or sold to brick manufacturing industries. |
| 2 | Spent solvent distillation residue [Cat 20.3] | -- | -- |
| 3 | APCS sludge [Category 35.3] | 1.5 MT/Month | |
| 4 | Empty barrels /liners/containers contaminated with hazardous wastes/ chemicals [Category 33.1] | -- | -- |
| 5 | Used Oil [Category 5.1] | Lube oil, 1.00 MT/Annum | Recyclable. Will be sold to authorized recycler |

The Committee after examining the original proposal and after going through the presentation done by the consultant has made the following observations-

- **Project Proponent shall install/upgrade STP & ETP separately.**
- Project Proponent shall dispose off hazardous waste/materials to authorized TSDF as per applicable rules.
- Project Proponent shall install Wet Scrubber, re-cycling pit as air pollution control device in his premises.
- Project Proponent shall comply with the EPR authorization, if applicable.
- Project Proponent shall ensure compliance of CER activity through any Govt. Organization.
- **Project Proponent shall provide a revised detail of socio economic data of 10 KM radius from project site.**
- **Project Proponent shall provide numbers of cases related to Pulmonary Diseases in nearby hospitals.**
- **Project Proponent shall increased the amount of CER upto 50 Lakhs.**
- **Project Proponent shall dispose off slag as per the extant rules.**
- The project proponent shall construct rainwater harvesting pits in such a manner to prevent the ingress of contaminated water from ETP & STP into rainwater harvesting pit.
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site.
- In case of further expansion or modification in the plan project proponent shall apply for modification/fresh E.C.
- During any type of construction in the existing land area, the topsoil excavated shall be used for backfilling/ landscape development/ green belt development. The same shall not be disposed off outside the boundaries of project site without approval of Competent Authority.

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- The groundwater samples shall be tested from accredited labs and it shall be ensured that test results comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.
- All stacking and loading areas should be provided with proper garland drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials must not be allowed to contaminate watercourse and dumpsites as these may leach into ground water
- No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards.
- All the hazardous residue and wastes arising from units shall be either sent to TSDF for land filling or for incineration. Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc.
- The gaseous emissions (SO_x , NO_x , CO, VOC and HC) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- The DG set shall use Low Sulphur Diesel type fuel and should have stack height complying with CPCB norms. DG set should be operated only during power failure in emergency situation.
- The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system. Dust Suppression during construction activity shall be ensured. Acoustic enclosures shall be provided with all machineries and DG sets on site complying with Noise Levels as per CPCB standards.
- All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- Project Proponent shall install solar lights on the periphery of its premises.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- The Project proponent will install advanced dust suppression system at the project site.
- The Project Proponent shall develop multi layered green belt around the periphery of the plant. The green belt thus developed should be on more than 10 percent of the project area. The project proponent will develop additional green belt in the surrounding areas to complete the requirement of 33% green belt of the project area. The project proponent shall plant fast growing species such as bamboo in the premises.
- The Project proponent shall plant fast growing species on both the sides of road connecting from the project premises to main road.
- The project proponent shall submit the NoC from CGWB for utilization of ground water.
- The project proponent shall undertake rain water harvesting activities in the surrounding villages preferably in the schools, primary health centers in consultation with local authorities.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.







Based on above observations and subject to conditions (Annexure-1), the committee recommended the above project for grant of Environmental Clearance.

Proposal – 2

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|--|---|
| Online proposal No. | SIA/UK/INFRA2/453509/2023 |
| Name of the Project | Proposed Printing of Newspapers and Periodicals at E-34 Industrial Area, Selaqui, Tehsil- Vikasnagar, District- Dehradun. |
| Name & Address of Proponent | M/s Punjab Kesari Publishing House Private Limited by Shri Morish Sharma (Manager) |
| Whether New/Expansion/ Modernization Project | New |
| Total Plot Area | 2310.00 m ² |
| Project Category | B2, (Orange Category as per Doon Valley Notification 1989 & 2020) |

The project was submitted vide proposal no SIA/UK/INFRA2/453509/2023 on dated 28th November, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Printing of Newspapers and Periodicals. The committee observed that this project activity is covered under Orange Category as per the Doon Valley Notification 1989 (as amended). The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm Eco Laboratories & Consultants Pvt. Ltd. and project was presented by Shri Bhuwan Joshi, EIA Coordinator.** The details of the project are as follows:-

| S.No | Parameters | Description |
|------|--------------------------|---|
| 1. | Products and quantity | Printing of Newspaper - 10,800,000No's/Annum. Printing of Periodicals- 10,800,000No's/Annum. |
| 2. | Estimated Project Cost | 3.6238751 Crores |
| 3. | Total Plot Area | 2310 sq m |
| 4. | Proposed Green Area | 762 sq m |
| 5. | Proposed Green Area | 762 sq m |
| 6. | Fresh Water Consumption | 2 KLD |
| 7. | Fresh Water Source | Tankers |
| 8. | Power Demand | 100 KVA |
| 9. | Power back up | One DG set of 125 KVA |
| 10. | Wastewater Management | Soak pit |
| 11. | Steam and heating system | - |
| 12. | Fuel Consumption | - |

Land use details:

| S.No | Parameters | Description |
|------|-----------------------|-------------|
| 1. | Ground Coverage | 1255.5 sq m |
| 2. | Road and Paved area | - |
| 3. | Parking area | 255.77 sq m |
| 4. | Green Area | 316.44 sq m |
| 5. | Switchyard [OTS] | - |
| 6. | Future Expansion Area | - |
| | Total Plot Area | 2310 sq m |

Raw material details:

| S.No | Major Raw Material | Avg. consumption per month | Source | Mode of Transport |
|------|--------------------|----------------------------|---------------------|-------------------|
| 1. | Newsprint | 40 tons | Local manufacturers | Road |
| 2. | Printing ink | 1500 kg's | Local manufacturers | Road |
| 3. | Aluminium plates | 700 no's | Local manufacturers | Road |

Domestic Water Demand and Effluent Generation:

| S.No. | Uses | Population/ area | Consumption rate | Water requirement [KLD] | Domestic Effluent [KLD] |
|-------|--------------------------------------|------------------|----------------------|-------------------------|-------------------------|
| 1 | Domestic uses [drinking, sanitation] | 10 no's | 30 litres per person | 300 litres per person | 250 litres per person |

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| | | | | | |
|---|--------------------------------|---------|----------------------|-----------------------|-----------------------|
| 2 | Flushing water | 10 no's | 30 litres per person | 300 litres per person | 300 litres per person |
| 3 | Canteen Facility | - | - | - | - |
| 4 | Housekeeping/Cleaning/ washing | - | - | 300 litres per person | 250 litres per person |
| 5 | Gardening and dust suppression | - | - | 1100 litres per day | - |
| | Total | - | - | 2 KLD | 0.8 KLD |

Industrial Water Demand and Effluent Generation:

| S.No. | Uses | Water requirement [KLD] | Effluent Generation [KLD] |
|-------|------------------------------|-------------------------|---------------------------|
| 1 | Process - Boiler Chiller | - | - |
| 2 | Cooling Tower make up | - | - |
| 3 | Laboratory | - | - |
| 4 | APC devices [Fume scrubber] | - | - |
| 5 | Rejects from Water Treatment | - | - |
| | Total | - | - |

Solid waste details:

| S.No. | Waste Detail | Quantity Generation | Utilization/Disposal |
|-------|--|---|-----------------------------|
| 1 | Process waste [Category 21.1] | Aluminium scrap-10 MTA Plastic waste – 1 MTA | Sold to authorized recycler |
| 2 | Spent solvent distillation residue [Cat 20.3] | - | - |
| 3 | ETP sludge [Category 35.3] | - | - |
| 4 | Empty barrels /liners/containers contaminated with hazardous wastes/ chemicals [Category 33.1] | - | - |
| 5 | Used Oil [Category 5.1] | 0.04 MTA | Sold to authorized TSDF |

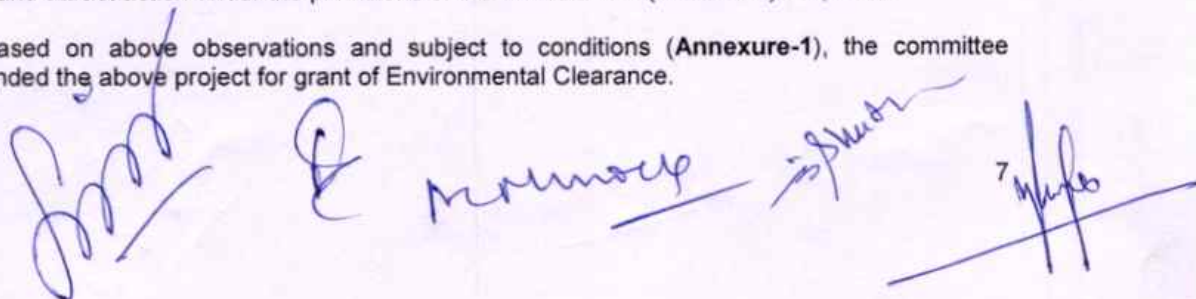
The Committee after examining the original proposal and after going through the presentation done by the consultant has made the following observations-

- **Project Proponent shall take suitable measures to control VOC in the work zone environment.**
- **Project Proponent shall dispose waste from printing process including waste ink as per hazardous waste disposal rules.**
- **Project Proponent shall install STP & ETP.**
- Project Proponent shall dispose off discarded raw materials to authorized TSDF as per applicable rules.
- Project Proponent shall comply with the EPR authorization, if applicable.
- Project Proponent shall ensure compliance of CER activity& submit progress report along with the six monthly compliance report.
- The project proponent shall construct rainwater harvesting pits in such a manner to prevent the ingress of contaminated water from ETP & STP into rainwater harvesting pit.
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site.
- In case of further expansion or modification in the plan project proponent shall apply for modification/fresh E.C.
- The Project Authority shall strictly comply with provisions of Doon Valley Notification, 1989 & 2020
- During any type of construction in the existing land area, the topsoil excavated shall be used for backfilling/ landscape development/ green belt development. The same shall not be disposed off outside the boundaries of project site without approval of Competent Authority.
- The groundwater samples shall be tested from accredited labs and it shall be ensured that test results comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.

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- All stacking and loading areas should be provided with proper garland drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials must not be allowed to contaminate watercourse and dumpsites as these may leach into ground water
- No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards.
- All the hazardous residue and wastes arising from units shall be either sent to TSDF for land filling or for incineration. Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc.
- The gaseous emissions (SO_x , NO_x , CO, VOC and HC) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- The DG set shall use Low Sulphur Diesel type fuel and should have stack height complying with CPCB norms. DG set should be operated only during power failure in emergency situation.
- The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system. Dust Suppression during construction activity shall be ensured. Acoustic enclosures shall be provided with all machineries and DG sets on site complying with Noise Levels as per CPCB standards.
- All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- Project Proponent shall install solar lights on the periphery of its premises.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- The Project proponent will install advanced dust suppression system at the project site.
- The Project Proponent shall develop multi layered green belt around the periphery of the plant. The green belt thus developed should be on more than 10 percent of the project area. The project proponent will develop additional green belt in the surrounding areas to complete the requirement of 33% green belt of the project area. The project proponent shall plant fast growing species such as bamboo in the premises.
- The Project proponent shall plant fast growing species on both the sides of road connecting from the project premises to main road.
- The project proponent shall submit the NoC from CGWB for utilization of ground water.
- The project proponent shall undertake rain water harvesting activities in the surrounding villages preferably in the schools, primary health centers in consultation with local authorities.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

Based on above observations and subject to conditions (Annexure-1), the committee recommended the above project for grant of Environmental Clearance.



Proposal – 3

| | |
|-----------------------------|--|
| Online proposal No. | SIA/UK/IND/218169/2021 |
| Site Details | Proposed Extraction of Quartzite Boulders of Song Dam Stone Quarry No. 2, Malkot Range Forest Block Compartment No. 08 at Village- Ghursal, Tehsil- Dhanolti, District- Tehri Garhwal. |
| Name & Address of Proponent | PIU Song Dam (UPDCC), Irrigation Department, Ground Floor, Lakhward Field Hostel, Yamuna Colony, Dehradun. |
| Coordinates | Pillar wise -1 to 7 Latitude- 30°17'59.10"N to 30°18'01.55"N Longitude- 78°11'34.68"E to 78°11'32.36"E |
| Mining Lease Area | 0.8030 Ha. |
| Category | B2 & 1(a) enlisted in project /activity as per EIA Notification, 2006 |

The project was submitted vide proposal no SIA/UK/IND/218169/2021 on dated 29th July, 2021 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Quartzite Boulders in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The proponent has applied with detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm Enkay Enviro Services Pvt. Ltd. and project was presented by Shri Dinesh Bohra, EIA Coordinator.** The details of the project are given below:-

| S.No | Parameters | Description | | |
|------|---|---|-----------------|------------------|
| 1. | Name of the Project Proponent | General Manger, PIU Song Dam(UPDCC), Irrigation Department | | |
| 2. | Registered Address | Office of General Manager, PIU Song Dam, Ground Floor- Lakhwad Field Hostel, Yamuna Colony, Dehradun, Uttarakhand, PIN- 248001 | | |
| 3. | Full correspondence address of proponent and mobile no. | Office of General Manager, Ground Floor- Lakhwad Field Hostel, Yamuna Colony, Dehradun, Uttarakhand, PIN- 248001, Mob No-7017716696 | | |
| 4. | Name of Project | Song Dam Stone Quarry Mine-2(Quartzite Boulder) | | |
| 5. | Project Location (Plot.Khasra/Gata No.) | Malkot Forest Block Compartment No. 8 | | |
| 6. | Name of Village | Ghursal | | |
| 7. | Tehsil | Dhanolti | | |
| 8. | District | Tehri(Garhwal) | | |
| 9. | State | Uttarakhand | | |
| 10. | Name of Minor Mineral | Quartzite Boulder | | |
| 11. | Sanctioned Lease Area (in Ha.) | 0.8030 | | |
| 12. | Max. & Min.mRL within lease area | Max- 990 mRL& 900.00 mRL | | |
| 13. | Pillar Coordinates (Verified by DMO) | Pillar No. | Latitude | Longitude |
| | | 1 | 30°17'59.10"N | 78°11'34.68"E |
| | | 2 | 30°18'1.02"N | 78°11'35.78"E |
| | | 3 | 30°18'1.38"N | 78°11'36.41" E |
| | | 4 | 30°18'3.95"N | 78°11'35.44"E |
| | | 5 | 30°18'3.51"N | 78°11'34.44"E |
| | | 6 | 30°18'2.35"N | 78°11'33.31"E |
| | | 7 | 30°18'1.55"N | 78°11'32.36"E |
| 14. | Letter of Intent from State Government | 32/VII-V-1/2020/5(1)/20 dated 22.01.2020 | | |
| 15. | Mine Plan approval details | 566/mining/DMG/MP/2021-22 Dated 04.06.2021 | | |
| 16. | Validity of Mine Plan | 5 years | | |
| 17. | Total geological reserves | 8041200.00 Tonnes | | |
| 18. | Total Proposed Production (In 5 Years) | First year | 23340 Ton, | |
| | | Second Year | 23568 Ton | |
| | | Third year | 31811 Ton | |
| | | Fourth Year | 53875 Ton | |
| | | Fifth Year | 54625 Ton | |
| 19. | Sanctioned Period of Mine lease | 5 Years | | |

| | | |
|-----|---|-----------------------------------|
| 20. | Method of Mining | Open Cast Semi Mechanized Method |
| 21. | No. of working days | 260 |
| 22. | Working hours/day | 8 Hrs |
| 23. | No. of workers | 74 |
| 24. | Type of Land | Forest Land |
| 25. | Ultimate Depth of Mining | 90 |
| 26. | Water Requirement | 5.00 KLD |
| 27. | Any litigation pending against the project or land in any court | NA |
| 28. | Ecological Sensitive Map/zone | Submitted |
| 29. | Details of 500 m Cluster certificate & Map Verified by Mining Officer | Submitted |
| 30. | Proposed CER cost | - |
| 31. | Proposed EMP cost | 8.00 Lakh |
| 32. | No. of Trees to be Planted. | 265 Plants |
| 33. | Detail of CTE/CTO issued by UPPCB | Will be applied after Grant of EC |
| 34. | Project Cost | INR 2021.57 Crores (PL 2019) |

In the 19th meeting of SEAC dated- 06.08.2021 the Committee observed that this quarry is needed for the Dam construction for supply of drinking water. The committee asked to Project Proponent for submission/clarification of following documents:-

- Project Proponent will submit original copy of cluster certificate.
- Project Proponent will submit original ecological sensitive certificate of 10 Km. radial distance.
- Project Proponent will submit NoC from National Board of Wildlife (NBWL).
- Project Proponent will submit the stage- II Forest Clearance.
- Project Proponent will submit detail project plan, DPR etc mentioning purpose of quarry.
- Rehabilitation & Resettlement plan for proposed Dam project shall also be submitted.

In today's meeting, the project proponent has informed that he has already submitted the above documents. The Committee after examining the original proposal and after going through the presentation done by the consultant has made the following observations-

- The project proponent has obtained Forest Clearance from MoEF&CC (Forest Conservation Division) vide letter no- 8-16/2020-FC dated 05.01.2021 as per Forest (Conservation) Act, 1980 for an area of 127.6712 Ha. & NOC from MoEF&CC (Wildlife Division) vide letter no- 6-93/2021 WL dated 22.10.2021. Though the project proponent has obtained above Clearances for the entire project but, the project proponent has not applied for a comprehensive E.C. Rather the P.P has applied for E.C of only the quarry areas. Therefore, the E.C is essential for other components of the project such as reservoir. Though, the P.P has submitted an undertaking dated 17.06.2019 to the (NBWL) MoEF&CC that the P.P shall obtain E.C for entire song dam drinking water project. Thus the P.P is expected to obtain E.C for remaining components of song dam drinking water project too.
- Blasting shall not be permitted.
- The mining shall be done only during day time.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- The committee observed that the Project Proponent has obtained Forest Clearance for an area of 127.6712 Ha. Whereas the approved mining plan is for 0.8030 Ha.
- The project Proponent shall ensure that where ever deployment of labor attracts mines act, the provision thereof shall be strictly followed.
- The Project Proponent has submitted a Cluster Certificate issued by Mining Department, Uttarakhand vide his letter no 140 dated-10.08.2021 stating that there is one other mining lease falls within 500 m radius of the lease area, but the cumulative area of these two mines <5.0 Ha. Thus, the above mine lease shall be considered under B2 category.
- The Project Proponent has submitted a certificate issued by CCF, I.T Cell of Forest Department, Uttarakhand vide his letter no 3201-2D/1/2020 dated-12.08.2021 stating that the proposed area for mining does not fall within 10 KM of any National Park/Sanctuary.
- The committee also suggested that mine site should have well demarcated safety zone from nearby bridges, educational institution or structures of historical importance.

- The committee suggested that the proponent should provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- The Project Proponent shall follow Sustainable Sand Mining Management Guideline, 2016 & Enforcement and Monitoring Guideline for Sand Mining, 2020 if applicable.
- The mine working will be open cast by manual method without involving drilling & blasting. The mining is confined to extraction of Quartzite Rock.
- The extraction of Quartzite Rock shall be stopped during monsoon season.
- The Project Proponent shall obtain prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) if any, required for the project.
- It shall be ensured that there is no leakage of oil and grease in the river from the vehicles use for the transportation.
- Vehicular emission shall be kept under control and regularly monitored. The vehicles carrying minerals shall not be over loaded.
- Periodical medical examination of the workers engaged in the project shall be carried out and records are to be maintained.
- Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any mining activity at the site.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
- The EC issued will be coterminus with the Forest Clearance issued by MoEF&CC, GOI.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

Based on above observations and subject to conditions (**Annexure-3**), the committee recommended the above project for grant of Environmental Clearance.

Proposal – 4

| | |
|-----------------------------|--|
| Online proposal No. | SIA/UK/IND/218366/2021 |
| Site Details | Proposed Extraction of Quartzite Boulders of Song Dam Stone Quarry No. 3, Mussoorie Forest Division's Raipur Range (Ringaland Compartment No.1 & Kund Compartment No.7) at Village: Sondhana, Tehsil- Dhanolti, District: Tehri Garhwal. |
| Name & Address of Proponent | PIU Song Dam (UPDCC), Irrigation Department, Ground Floor, Lakhward Field Hostel, Yamuna Colony, Dehradun. |
| Coordinates | Pillar wise -1 to 11 Latitude- 30°18'18.88"N to 30°18'22.46"N Longitude- 78°10'37.57"E to 78°11'37.88"E |
| Mining Lease Area | 3.0065 Ha. |
| Category | B2 & 1(a) enlisted in project /activity as per EIA Notification, 2006 |

The project was submitted vide proposal no SIA/UK/IND/218366/2021 on dated 29th July, 2021 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Quartzite Boulders in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The proponent has applied with detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm Enkay Enviro Services Pvt. Ltd. and project was presented by Shri Dinesh Bohra, EIA Coordinator.** The details of the project are given below:-

| S.No. | Parameters | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|------------|-----------|-------------|-----------|---------------|---------------|-------------|---------------|---------------|------------|---------------|---------------|---|---------------|---------------|---|---------------|---------------|---|---------------|---------------|---|---------------|---------------|---|---------------|---------------|---|---------------|---------------|----|---------------|---------------|----|---------------|---------------|
| 1. | Name of the Project Proponent | General Manger, PIU Song Dam(UPDCC), Irrigation Department | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Registered Address | Office of General Manager, PIU Song Dam, Ground Floor- Lakhwad Field Hostel, Yamuna Colony, Dehradun, Uttarakhand, PIN- 248001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Full correspondence address of proponent and mobile no. | Office of General Manager, Ground Floor- Lakhwad Field Hostel, Yamuna Colony, Dehradun, Uttarakhand, PIN- 24800, Mob No-7017716696 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | Name of Project | Song Dam Stone Quarry Mine-2(Quartzite Boulder) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Project Location (Plot,Khasra/Gata No.) | Malkot Forest Block Compartment No. 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Name of Village | Sondhana | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | Tehsil | Dhanolti | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | District | Tehri(Garhwal) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | State | Uttarakhand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | Name of Minor Mineral | Quartzite Boulder | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11. | Sanctioned Lease Area (in Ha.) | 3.0065 Hectare | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12. | Max. & Min mRL within lease area | Max- 980mRL&850.00mRL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13. | Pillar Coordinates (Verified by DMO) | <table><tr><th>Pillar No.</th><th>Latitude</th><th>Longitude</th></tr><tr><td>1</td><td>30°18'18.88"N</td><td>78°10'37.57"E</td></tr><tr><td>2</td><td>30°18'18.02"N</td><td>78°10'39.77"E</td></tr><tr><td>3</td><td>30°18'18.21"N</td><td>78°10'41.26"E</td></tr><tr><td>4</td><td>30°18'18.76"N</td><td>78°10'42.89"E</td></tr><tr><td>5</td><td>30°18'19.97"N</td><td>78°10'43.19"E</td></tr><tr><td>6</td><td>30°18'20.52"N</td><td>78°10'43.10"E</td></tr><tr><td>7</td><td>30°18'22.21"N</td><td>78°10'42.87"E</td></tr><tr><td>8</td><td>30°18'24.80"N</td><td>78°10'42.76"E</td></tr><tr><td>9</td><td>30°18'27.43"N</td><td>78°10'41.33"E</td></tr><tr><td>10</td><td>30°18'25.15"N</td><td>78°10'39.30"E</td></tr><tr><td>11</td><td>30°18'22.46"N</td><td>78°10'37.88"E</td></tr></table> | Pillar No. | Latitude | Longitude | 1 | 30°18'18.88"N | 78°10'37.57"E | 2 | 30°18'18.02"N | 78°10'39.77"E | 3 | 30°18'18.21"N | 78°10'41.26"E | 4 | 30°18'18.76"N | 78°10'42.89"E | 5 | 30°18'19.97"N | 78°10'43.19"E | 6 | 30°18'20.52"N | 78°10'43.10"E | 7 | 30°18'22.21"N | 78°10'42.87"E | 8 | 30°18'24.80"N | 78°10'42.76"E | 9 | 30°18'27.43"N | 78°10'41.33"E | 10 | 30°18'25.15"N | 78°10'39.30"E | 11 | 30°18'22.46"N | 78°10'37.88"E |
| Pillar No. | Latitude | Longitude | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 30°18'18.88"N | 78°10'37.57"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 30°18'18.02"N | 78°10'39.77"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 30°18'18.21"N | 78°10'41.26"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 30°18'18.76"N | 78°10'42.89"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 30°18'19.97"N | 78°10'43.19"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 30°18'20.52"N | 78°10'43.10"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 30°18'22.21"N | 78°10'42.87"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 30°18'24.80"N | 78°10'42.76"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 30°18'27.43"N | 78°10'41.33"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 30°18'25.15"N | 78°10'39.30"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 30°18'22.46"N | 78°10'37.88"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14. | Letter of Intent from State Government | 32/VII-V-1/2020/5(1)/20 dated 22.01.2020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15. | Mine Plan approval details | 567/mining/DMG/MP/2021-22 Dated 04.06.2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16. | Validity of Mine Plan | 5 years | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17. | Total geological reserves | 5476043.00 million Ton | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18. | Total Proposed Production (In 5 Years) | <table><tr><td>First year</td><td>42086Ton,</td></tr><tr><td>Second Year</td><td>54553 Ton</td></tr><tr><td>Third year</td><td>302698 Ton</td></tr><tr><td>Fourth Year</td><td>519419Ton</td></tr><tr><td>Fifth Year</td><td>1072924Ton</td></tr></table> | First year | 42086Ton, | Second Year | 54553 Ton | Third year | 302698 Ton | Fourth Year | 519419Ton | Fifth Year | 1072924Ton | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First year | 42086Ton, | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Second Year | 54553 Ton | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Third year | 302698 Ton | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fourth Year | 519419Ton | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fifth Year | 1072924Ton | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19. | Sanctioned Period of Mine lease | 5 Years | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20. | Method of Mining | Open Cast Semi Mechanized Method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21. | No. of working days | 260 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22. | Working hours/day | 8 Hrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23. | No. of workers | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24. | Type of Land | Forest Land | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25. | Ultimate Depth of Mining | 130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26. | Water Requirement | 6.00 KLD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27. | Any litigation pending against the project or land in any court | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28. | Ecological Sensitive Map/zone | Submitted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29. | Details of 500 m Cluster | Submitted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|-----|--|-----------------------------------|
| | certificate & Map Verified by Mining Officer | |
| 30. | Proposed CER cost | - |
| 31. | Proposed EMP cost | 32.00 Lakh |
| 32. | No. of Trees to be Planted. | 990 Plants |
| 33. | Detail of CTE/CTO issued by UPPCB | Will be applied after Grant of EC |
| 34. | Project Cost | INR 2021.57 Crores (PL 2019) |

In the 19th meeting of SEAC dated- 06.08.2021 the Committee observed that this quarry is needed for the Dam construction for supply of drinking water. The committee asked to Project Proponent for submission/clarification of following documents:-

- Project Proponent will submit original copy of cluster certificate.
- Project Proponent will submit original ecological sensitive certificate of 10 Km. radial distance.
- Project Proponent will submit NoC from National Board of Wildlife (NBWL).
- Project Proponent will submit the stage- II Forest Clearance.
- Project Proponent will submit detail project plan, DPR etc mentioning purpose of quarry.
- Rehabilitation & Resettlement plan for proposed Dam project shall also be submitted.

In today's meeting, the project proponent has informed that he has already submitted the above documents. The Committee after examining the original proposal and after going through the presentation done by the consultant has made the following observations-

- The project proponent has obtained Forest Clearance from MoEF&CC (Forest Conservation Division) vide letter no- 8-16/2020-FC dated 05.01.2021 as per Forest (Conservation) Act, 1980 for an area of 127.6712 Ha. & NOC from MoEF&CC (Wildlife Division) vide letter no- 6-93/2021 WL dated 22.10.2021. Though the project proponent has obtained above Clearances for the entire project but, the project proponent has not applied for a comprehensive E.C. Rather the P.P has applied for E.C of only the quarry areas. Therefore, the E.C is essential for other components of the project such as reservoir. Though, the P.P has submitted an undertaking dated 17.06.2019 to the (NBWL) MoEF&CC that the P.P shall obtain E.C for entire song dam drinking water project. Thus the P.P is expected to obtain E.C for remaining components of song dam drinking water project too.
- Blasting shall not be permitted.
- Project Proponent has submitted restoration plan for quarry no-3 which is downstream of the reservoir.
- Project Proponent shall submit aquatic study report of song river along with six monthly compliance report.
- The mining shall be done only during day time.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- The committee observed that the Project Proponent has obtained Forest Clearance for an area of 127.6712 Ha. Whereas the approved mining plan is for 3.0065 Ha.
- The project Proponent shall ensure that where ever deployment of labor attracts mines act, the provision thereof shall be strictly followed.
- The Project Proponent has submitted a Cluster Certificate issued by Mining Department, Uttarakhand vide his letter no 142 dated-10.08.2021 stating that there is one other mining lease falls within 500 m radius of the lease area, but the cumulative area of these two mines <5.0 Ha. Thus, the above mine lease shall be considered under B2 category.
- The Project Proponent has submitted a certificate issued by CCF, I.T Cell of Forest Department, Uttarakhand vide his letter no 3201-2D/1/2020 dated-12.08.2021 stating that the proposed area for mining does not fall within 10 KM of any National Park/Sanctuary.
- The committee also suggested that mine site should have well demarcated safety zone from nearby bridges, educational institution or structures of historical importance.
- The committee suggested that the proponent should provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- The Project Proponent shall follow Sustainable Sand Mining Management Guideline, 2016 & Enforcement and Monitoring Guideline for Sand Mining, 2020 if applicable.

- The mine working will be open cast by manual method without involving drilling & blasting. The mining is confined to extraction of Quartzite Rock.
- The extraction of Quartzite Rock shall be stopped during monsoon season.
- The Project Proponent shall obtain prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) if any, required for the project.
- It shall be ensured that there is no leakage of oil and grease in the river from the vehicles use for the transportation.
- Vehicular emission shall be kept under control and regularly monitored. The vehicles carrying minerals shall not be over loaded.
- Periodical medical examination of the workers engaged in the project shall be carried out and records are to be maintained.
- Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any mining activity at the site.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
- The EC issued will be coterminus with the Forest Clearance issued by MoEF&CC, GOI.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

Based on above observations and subject to conditions (**Annexure-3**), the committee recommended the above project for grant of Environmental Clearance.

Proposal – 5

| | |
|-----------------------------|--|
| Online proposal No. | SIA/UK/IND/218377/2021 |
| Site Details | Proposed Extraction of Quartzite Boulders of Song Dam Stone Quarry No. 1, Range Raipur Forest (Mussoorie)Kund Compartment No. 07 at Village- Ghursal, Tehsil- Dhanolti, District- Tehri Garhwal. |
| Name & Address of Proponent | PIU Song Dam (UPDCC), Irrigation Department, Ground Floor, Lakhward Field Hostel, Yamuna Colony, Dehradun. |
| Coordinates | Pillar wise -1 to 6 Latitude- 30°18'03.24"N to 30°18'06.16"N Longitude- 78°11'29.36"E to 78°11'29.39"E |
| Mining Lease Area | 0.8047 Ha. |
| Category | B2 & 1(a) enlisted in project /activity as per EIA Notification, 2006 |

The project was submitted vide proposal no SIA/UK/IND/218377/2021 on dated 29th July, 2021 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Quartzite Boulders in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The proponent has applied with detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited**

consultancy firm Enkay Enviro Services Pvt. Ltd. and project was presented by Shri Dinesh Bohra, EIA Coordinator. The details of the project are given below:-

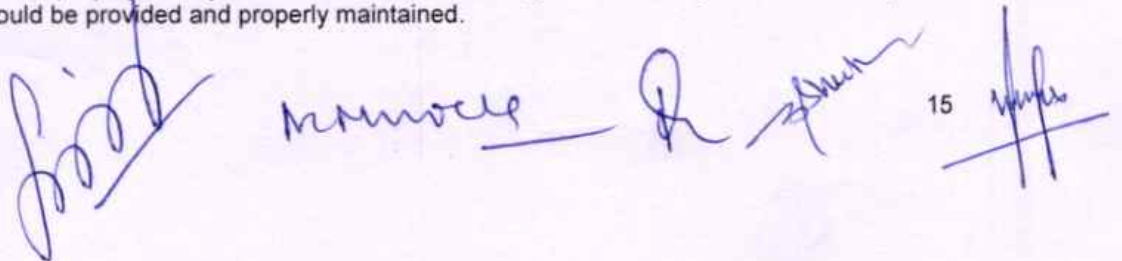
| S.No | Parameters | Description | | |
|------|---|---|--------------|----------------|
| 1. | Name of the Project Proponent | General Manger, PIU Song Dam(UPDCC), Irrigation Department | | |
| 2. | Registered Address | Office of General Manager, PIU Song Dam, Ground Floor- Lakhwad Field Hostel, Yamuna Colony, Dehradun, Uttarakhand, PIN- 248001 | | |
| 3. | Full correspondence address of proponent and mobile no. | Office of General Manager, Ground Floor- Lakhwad Field Hostel, Yamuna Colony, Dehradun, Uttarakhand, PIN- 248001, Mob No-7017716696 | | |
| 4. | Name of Project | Song Dam Stone Quarry Mine-1(Quartzite Boulder) | | |
| 5. | Project Location (Plot.Khasra/Gata No.) | Kund Compartment No. 7 | | |
| 6. | Name of Village | Ghursal | | |
| 7. | Tehsil | Dhanolti | | |
| 8. | District | Tehri(Garhwal) | | |
| 9. | State | Uttarakhand | | |
| 10. | Name of Minor Mineral | Quartzite Boulder | | |
| 11. | Sanctioned Lease Area (in Ha.) | 0.8047 | | |
| 12. | Max. & Min mRL within lease area | Max- 954 mRL& 900.00 mRL | | |
| 13. | Pillar Coordinates (Verified by DMO) | Pillar No. | Latitude | Longitude |
| | | 1 | 30°18'3.24"N | 78°11'29.36"E |
| | | 2 | 30°18'2.97"N | 78°11'30.38"E |
| | | 3 | 30°18'3.29"N | 78°11'31.79" E |
| | | 4 | 30°18'3.73"N | 78°11'32.45"E |
| | | 5 | 30°18'6.27"N | 78°11'32.86"E |
| | | 6 | 30°18'6.16"N | 78°11'29.39"E |
| 14. | Letter of Intent from State Government | 32/VII-V-1/2020/5(1)/20 dated 22.01.2020 | | |
| 15. | Mine Plan approval details | 565/mining/DMG/MP/2021-22 Dated 04.06.2021 | | |
| 16. | Validity of Mine Plan | 5 years | | |
| 17. | Total geological reserves | 483062.00 Tonnes | | |
| 18. | Total Proposed Production (In 5 Years) | First year | 51416 Ton, | |
| | | Second Year | 12586 Ton | |
| | | Third year | 69208 Ton | |
| | | Fourth Year | 92466 Ton | |
| | | Fifth Year | 113574 Ton | |
| 19. | Sanctioned Period of Mine lease | 5 Years | | |
| 20. | Method of Mining | Open Cast Semi Mechanized Method | | |
| 21. | No. of working days | 260 | | |
| 22. | Working hours/day | 8 Hrs | | |
| 23. | No. of workers | 74 | | |
| 24. | Type of Land | Forest Land | | |
| 25. | Ultimate Depth of Mining | 54 | | |
| 26. | Water Requirement | 5.00 KLD | | |
| 27. | Any litigation pending against the project or land in any court | NA | | |
| 28. | Ecological Sensitive Map/zone | Submitted | | |
| 29. | Details of 500 m Cluster certificate & Map Verified by Mining Officer | Submitted | | |
| 30. | Proposed CER cost | - | | |
| 31. | Proposed EMP cost | 8.00 Lakh | | |
| 32. | No. of Trees to be Planted. | 265 Plants | | |
| 33. | Detail of CTE/CTO issued by UPPCB | Will be applied after Grant of EC | | |
| 34. | Project Cost | INR 2021.57 Crores (PL 2019) | | |

In the 19th meeting of SEAC dated- 06.08.2021 the Committee observed that this quarry is needed for the Dam construction for supply of drinking water. The committee asked to Project Proponent for submission/clarification of following documents:-

- Project Proponent will submit original copy of cluster certificate.
- Project Proponent will submit original ecological sensitive certificate of 10 Km. radial distance.
- Project Proponent will submit NoC from National Board of Wildlife (NBWL).
- Project Proponent will submit the stage- II Forest Clearance.
- Project Proponent will submit detail project plan, DPR etc mentioning purpose of quarry.
- Rehabilitation & Resettlement plan for proposed Dam project shall also be submitted.

In today's meeting, the project proponent has informed that he has already submitted the above documents. The Committee after examining the original proposal and after going through the presentation done by the consultant has made the following observations-

- The project proponent has obtained Forest Clearance from MoEF&CC (Forest Conservation Division) vide letter no- 8-16/2020-FC dated 05.01.2021 as per Forest (Conservation) Act, 1980 for an area of 127.6712 Ha. & NOC from MoEF&CC (Wildlife Division) vide letter no- 6-93/2021 WL dated 22.10.2021. Though the project proponent has obtained above Clearances for the entire project but, the project proponent has not applied for a comprehensive E.C. Rather the P.P has applied for E.C of only the quarry areas. Therefore, the E.C is essential for other components of the project such as reservoir. Though, the P.P has submitted an undertaking dated 17.06.2019 to the (NBWL) MoEF&CC that the P.P shall obtain E.C for entire song dam drinking water project. Thus the P.P is expected to obtain E.C for remaining components of song dam drinking water project too.
- Blasting shall not be permitted.
- The mining shall be done only during day time.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- The committee observed that the Project Proponent has obtained Forest Clearance for an area of 127.6712 Ha. Whereas the approved mining plan is for 0.8047 Ha.
- The project Proponent shall ensure that where ever deployment of labor attracts mines act, the provision thereof shall be strictly followed.
- The Project Proponent has submitted a Cluster Certificate issued by Mining Department, Uttarakhand vide his letter no 141 dated-10.08.2021 stating that there is one other mining lease falls within 500 m radius of the lease area, but the cumulative area of these two mines <5.0 Ha. Thus, the above mine lease shall be considered under B2 category.
- The Project Proponent has submitted a certificate issued by CCF, I.T Cell of Forest Department, Uttarakhand vide his letter no 3201-2D/1/2020 dated-12.08.2021 stating that the proposed area for mining does not fall within 10 KM of any National Park/Sanctuary.
- The committee also suggested that mine site should have well demarcated safety zone from nearby bridges, educational institution or structures of historical importance.
- The committee suggested that the proponent should provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- The Project Proponent shall follow Sustainable Sand Mining Management Guideline, 2016 & Enforcement and Monitoring Guideline for Sand Mining, 2020 if applicable.
- The mine working will be open cast by manual method without involving drilling & blasting. The mining is confined to extraction of Quartzite Rock.
- The extraction of Quartzite Rock shall be stopped during monsoon season.
- The Project Proponent shall obtain prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) if any, required for the project.
- It shall be ensured that there is no leakage of oil and grease in the river from the vehicles use for the transportation.
- Vehicular emission shall be kept under control and regularly monitored. The vehicles carrying minerals shall not be over loaded.
- Periodical medical examination of the workers engaged in the project shall be carried out and records are to be maintained.
- Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.



- Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
 - Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any mining activity at the site.
 - Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
 - The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
 - This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
 - The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
 - The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
 - The EC issued will be coterminus with the Forest Clearance issued by MoEF&CC, GOI.
 - The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986

Based on above observations and subject to conditions (**Annexure-3**), the committee recommended the above project for grant of Environmental Clearance.

Proposal – 6

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| Online proposal No. | SIA/UK/MIN/445566/2023 |
| Site Details | Proposed Extraction of Soapstone at Village - Banoli, Tehsil - Berinag, District - Pithoragarh. |
| Name & Address of Proponent | Shri Chamu Singh Negi R/o Village - Raiagar, Tehsil - Berinag, District - Pithoragarh. |
| Coordinates | Latitude- 29°43'16.20"N to 29°43'23.51"N Longitude- 80°03'06.36"E to 80°03'26.15" E |
| Mining Lease Area | 4.657 Ha. |
| Category | B2 & 1(a) enlisted in project /activity as per EIA Notification, 2006 |

The project was submitted vide proposal no SIA/UK/MIN/445566/2023 on dated 23rd September, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm Enviro Infra Solutions Pvt. Ltd. and project was presented by Shri Deepak Pandey, EIA Coordinator.** The details of the project are as follows:-

| S.No | Parameters | Description |
|------|---|--|
| 1. | Name of the Project Proponent | Shri Chamu Singh Negi |
| 2. | Registered Address | Village - Banoli, Tehsil - Berinag Dist- Pithoragarh, Uttarakhand |
| 3. | Full correspondence address of proponent and mobile no. | Village - Banoli, Tehsil - Berinag Dist- Pithoragarh, Uttarakhand |
| 4. | Name of Project | Proposed Soapstone Mine (Area = 4.657 ha.) at Village: Banoli, Tehsil: Berinag, & District: Pithoragarh, Uttarakhand by Shri Chamu Singh Negi. |
| 5. | Project Location (Plot/Khasra/Gata No.) | Village: Banoli, Tehsil: Berinag, & District: Pithoragarh, Uttarakhand by Shri Chamu Singh Negi. |
| 6. | Name of Village | Banoli |

| | | |
|-----|---|--|
| 7. | Tehsil | Berinag |
| 8. | District | Pithoragarh |
| 9. | State | Uttarakhand |
| 10. | Name of Minor Mineral | Soapstone |
| 11. | Sanctioned Lease Area (in Ha.) | 4.657 |
| 12. | Max. & Min mRL within lease area | Min : 1439.2 mRL Max: 1560.9 mRL |
| 13. | Pillar Coordinates (Verified by DMO) | Latitude: 29° 43' 17.6" N to 29° 43' 22.3" N Longitude: 80° 3' 6.9" N to 80° 3' 26.9" E |
| 14. | Letter of Intent | The LOI vide letter no. 1024/VII-I/154- kha/2011 was issued for mine lease period of 25 years. |
| 15. | Mine Plan approval details | The present mining plan is approved vide letter No. 11/2016-17 dated 09-11-2016 |
| 16. | Validity of Mine Plan | 5 years period. |
| 17. | Total geological reserves | 829906.17 Tonnes |
| 18. | Total mineable reserves | 691618.77 Tonnes |
| 19. | Total Proposed Production (In 5 Years) | 110000 Tonne |
| 20. | Total Proposed Production/Year | 22000 Tonne |
| 21. | Sanctioned Period of Mine lease | 25 years |
| 22. | Method of Mining | Open cast semi mechanized |
| 23. | No. of working days | 240 |
| 24. | Working hours/day | 8 |
| 25. | No. of workers | 44 |
| 26. | Type of Land | Private agricultural land |
| 27. | Ultimate Depth of Mining | 6 m |
| 28. | Water Requirement | 4.5 KLD |
| 29. | Any litigation pending against the project or land in any court | No |
| 30. | Ecological Sensitive Map/zone | Seismic zone V |
| 31. | Details of 500 m Cluster certificate & Map Verified by Mining Officer | Not applicable, cluster map provided in EC Proposal |
| 32. | Proposed CER cost | Rs. 3,50,000 |
| 33. | Proposed EMP cost | Rs. 9,21,900 |
| 34. | No. of Trees to be Planted. | 5219 |
| 35. | Detail of CTE/CTO issued by UPPCB | Not applicable |

The Committee after examining the original proposal and after going through the presentation done by the consultant has made the following observations-

- The committee further directed that mining/extraction of mineral and progressive mine closure should be done as per the approved mine plan.
- The committee also suggested that mine site should have well demarcated safety zone i.e. mining operation will not be carried out in the vicinity of 100 m from nearby bridges, educational institution or structures of historical importance.
- The committee desired that proponent should undertake afforestation activities in the buffer zone as well as in the nearby project site. Minimum 8000 plants in 4.0 Ha will be planted in first two years followed by maintenance in the next three years. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The committee suggested that the proponent should provide Eco-friendly toilets for the workforce.
- The mining operation would provide local employment and bring economic benefit to local population.
- Approved DSR of District Bageshwar is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The Project Proponent has submitted a Cluster Certificate issued by Mining Department, Uttarakhand vide his letter no 659 dated-18.09.2023 stating that there is no other mining lease falls within 500 m radius of the lease area.
- The Project Proponent has submitted a certificate issued by CCF, I.T Cell of Forest Department, Uttarakhand vide his letter no 3201-2D/3/2023-I.T.Forest Dept. dated-

09.11.2023 stating that the proposed area for mining does not lie within 10 KM of any National Park/Sanctuary.

- The project proponent shall submit quarterly reports pertaining to ambient air quality, ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- All the vehicles being used for transportation from the mine site should have a valid pollution under control certificate.
- The Proponent shall ensure installation of water sprinklers within the premises to prevent dust hazards.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The project proponent shall ensure proper collection, treatment and disposal of mule excrete.
- The project proponent shall undertake suitable measures to avoid spillage of over burden and inter burden. During monsoon stocked over burden shall be covered so that it will not spill into nearby water bodies.
- The project Proponent shall ensure the reclamation of mining area as per mine closure plan at his own cost.
- The project proponent shall undertake all the activities agreed during public consultation.
- The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
- The EC issued will be coterminus with the Forest Clearance issued by MoEF&CC, GOI.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

Based on above observations and subject to conditions (**Annexure-4**), the committee recommended the above project for grant of Environmental Clearance.

Proposal – 7

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| Online proposal No. | SIA/UK/MIN/453265/2023 |
| Site Details | Proposed Extraction of Soapstone at Village- Baikori, Tehsil&District- Bageshwar. |
| Name & Address of Proponent | Smt. Madhavi Devi W/o Late Shri. Nandan Singh Bagri R/o- Jagthana, Tehsil & District- Bageshwar |
| Coordinates | Latitude- 29°54'05.29"N to 29°53'58.82"N Longitude- 79°58'42.50"E to 79°58'42.06"E |
| Mining Lease Area | 4.376 Ha. |
| Category | B2 & 1(a) enlisted in project /activity as per EIA Notification, 2006. |

The project was submitted vide proposal no SIA/UK/MIN/453265/2023 on dated 24th November, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm Eco Laboratories & Consultants Pvt. Ltd. and project was presented by Shri Bhuwan Joshi, EIA Coordinator.** The details of the project are as follows:-

| S.No. | Parameters | Description |
|-------|---|---|
| 1. | Name of the Project Proponent | Smt. Madhavi Devi, W/o- Late. Shri Nandan Singh Bagri |
| 2. | Registered Address | R/O- Jagthana, Tehsil & District- Bageshwar |
| 3. | Full correspondence address of proponent and mobile no. | R/O- Jagthana, Tehsil & District- Bageshwar |

[Handwritten signatures and initials are present below the table, including a large signature on the left and several initials on the right.]

| 4. | Name of Project | Baikori Soapstone Mining Project | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 5. | Project Location (Plot. Khasra/Gata No.) | 2990म, 2984म, 3002म, 3032म, 3162म, etc. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Name of Village | Baikori | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | Tehsil | Bageshwar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | District | Bageshwar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | State | Uttarakhand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | Name of Minor Mineral | Soapstone | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11. | Sanctioned Lease Area (in Ha.) | 4.376 Hectare | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12. | Max. & Min mRL within lease area | 1792m to 1601m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13. | Pillar Coordinates (Verified by DMO) | <p>Total 43 Number of Pillar Coordinates</p> <table border="1"> <thead> <tr> <th>Pillar No.</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr><td>1</td><td>29°54'5.29"N</td><td>79°58'42.50"E</td></tr> <tr><td>2</td><td>29°54'03.52"N</td><td>79°58'44.20"E</td></tr> <tr><td>3</td><td>29°54'03.17"N</td><td>79°58'46.61"E</td></tr> <tr><td>4</td><td>29°54'2.08"N</td><td>79°58'46.34"E</td></tr> <tr><td>5</td><td>29°54'0.91"N</td><td>79°58'47.43"E</td></tr> <tr><td>6</td><td>29°54'1.11"N</td><td>79°58'47.78"E</td></tr> <tr><td>7</td><td>29°54'59.26"N</td><td>79°58'46.71"E</td></tr> <tr><td>8</td><td>29°53'59.14"N</td><td>79°58'49.07"E</td></tr> <tr><td>9</td><td>29°54'56.91"N</td><td>79°58'48.87"E</td></tr> <tr><td>10</td><td>29°53'56.31"N</td><td>79°58'49.62"E</td></tr> <tr><td>11</td><td>29°53'55.88"N</td><td>79°58'51.06"E</td></tr> <tr><td>12</td><td>29°54'55.91"N</td><td>79°58'52.78"E</td></tr> <tr><td>13</td><td>29°53'55.30"N</td><td>79°58'53.25"E</td></tr> <tr><td>14</td><td>29°53'55.30"N</td><td>79°58'53.68"E</td></tr> <tr><td>15</td><td>29°53'56.01"N</td><td>79°58'53.67"E</td></tr> <tr><td>16</td><td>29°53'55.49"N</td><td>79°58'54.97"E</td></tr> <tr><td>17</td><td>29°53'55.03"N</td><td>79°58'54.94"E</td></tr> <tr><td>18</td><td>29°53'55.42"N</td><td>79°58'54.31"E</td></tr> <tr><td>19</td><td>29°53'55.08"N</td><td>79°58'53.70"E</td></tr> <tr><td>20</td><td>29°53'53.76"N</td><td>79°58'53.46"E</td></tr> <tr><td>21</td><td>29°53'54.35"N</td><td>79°58'53.00"E</td></tr> <tr><td>22</td><td>29°53'52.91"N</td><td>79°58'51.82"E</td></tr> <tr><td>23</td><td>29°53'52.22"N</td><td>79°58'52.57"E</td></tr> <tr><td>24</td><td>29°53'52.42"N</td><td>79°58'51.90"E</td></tr> <tr><td>25</td><td>29°53'52.44"N</td><td>79°58'50.91"E</td></tr> <tr><td>26</td><td>29°53'53.06"N</td><td>79°58'51.27"E</td></tr> <tr><td>27</td><td>29°53'53.76"N</td><td>79°58'50.56"E</td></tr> <tr><td>28</td><td>29°53'53.85"N</td><td>79°58'49.90"E</td></tr> <tr><td>29</td><td>29°53'53.24"N</td><td>79°58'49.79"E</td></tr> <tr><td>30</td><td>29°53'53.73"N</td><td>79°58'47.52"E</td></tr> <tr><td>31</td><td>29°53'53.67"N</td><td>79°58'46.90"E</td></tr> <tr><td>32</td><td>29°53'53.87"N</td><td>79°58'46.87"E</td></tr> <tr><td>33</td><td>29°53'54.37"N</td><td>79°58'48.12"E</td></tr> <tr><td>34</td><td>29°53'53.98"N</td><td>79°58'50.07"E</td></tr> <tr><td>35</td><td>29°53'54.68"N</td><td>79°58'50.36"E</td></tr> <tr><td>36</td><td>29°53'54.83"N</td><td>79°58'48.88"E</td></tr> <tr><td>37</td><td>29°53'56.53"N</td><td>79°58'48.59"E</td></tr> <tr><td>38</td><td>29°53'56.53"N</td><td>79°58'46.68"E</td></tr> <tr><td>39</td><td>29°53'57.18"N</td><td>79°58'45.79"E</td></tr> <tr><td>40</td><td>29°53'57.83"N</td><td>79°58'45.79"E</td></tr> <tr><td>41</td><td>29°53'57.78"N</td><td>79°58'44.33"E</td></tr> <tr><td>42</td><td>29°53'58.72"N</td><td>79°58'44.04"E</td></tr> <tr><td>43</td><td>29°53'58.82"N</td><td>79°58'42.06"E</td></tr> </tbody> </table> | Pillar No. | Latitude | Longitude | 1 | 29°54'5.29"N | 79°58'42.50"E | 2 | 29°54'03.52"N | 79°58'44.20"E | 3 | 29°54'03.17"N | 79°58'46.61"E | 4 | 29°54'2.08"N | 79°58'46.34"E | 5 | 29°54'0.91"N | 79°58'47.43"E | 6 | 29°54'1.11"N | 79°58'47.78"E | 7 | 29°54'59.26"N | 79°58'46.71"E | 8 | 29°53'59.14"N | 79°58'49.07"E | 9 | 29°54'56.91"N | 79°58'48.87"E | 10 | 29°53'56.31"N | 79°58'49.62"E | 11 | 29°53'55.88"N | 79°58'51.06"E | 12 | 29°54'55.91"N | 79°58'52.78"E | 13 | 29°53'55.30"N | 79°58'53.25"E | 14 | 29°53'55.30"N | 79°58'53.68"E | 15 | 29°53'56.01"N | 79°58'53.67"E | 16 | 29°53'55.49"N | 79°58'54.97"E | 17 | 29°53'55.03"N | 79°58'54.94"E | 18 | 29°53'55.42"N | 79°58'54.31"E | 19 | 29°53'55.08"N | 79°58'53.70"E | 20 | 29°53'53.76"N | 79°58'53.46"E | 21 | 29°53'54.35"N | 79°58'53.00"E | 22 | 29°53'52.91"N | 79°58'51.82"E | 23 | 29°53'52.22"N | 79°58'52.57"E | 24 | 29°53'52.42"N | 79°58'51.90"E | 25 | 29°53'52.44"N | 79°58'50.91"E | 26 | 29°53'53.06"N | 79°58'51.27"E | 27 | 29°53'53.76"N | 79°58'50.56"E | 28 | 29°53'53.85"N | 79°58'49.90"E | 29 | 29°53'53.24"N | 79°58'49.79"E | 30 | 29°53'53.73"N | 79°58'47.52"E | 31 | 29°53'53.67"N | 79°58'46.90"E | 32 | 29°53'53.87"N | 79°58'46.87"E | 33 | 29°53'54.37"N | 79°58'48.12"E | 34 | 29°53'53.98"N | 79°58'50.07"E | 35 | 29°53'54.68"N | 79°58'50.36"E | 36 | 29°53'54.83"N | 79°58'48.88"E | 37 | 29°53'56.53"N | 79°58'48.59"E | 38 | 29°53'56.53"N | 79°58'46.68"E | 39 | 29°53'57.18"N | 79°58'45.79"E | 40 | 29°53'57.83"N | 79°58'45.79"E | 41 | 29°53'57.78"N | 79°58'44.33"E | 42 | 29°53'58.72"N | 79°58'44.04"E | 43 | 29°53'58.82"N | 79°58'42.06"E |
| Pillar No. | Latitude | Longitude | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 29°54'5.29"N | 79°58'42.50"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 29°54'03.52"N | 79°58'44.20"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 29°54'03.17"N | 79°58'46.61"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 29°54'2.08"N | 79°58'46.34"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 29°54'0.91"N | 79°58'47.43"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 29°54'1.11"N | 79°58'47.78"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 29°54'59.26"N | 79°58'46.71"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 29°53'59.14"N | 79°58'49.07"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 29°54'56.91"N | 79°58'48.87"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 29°53'56.31"N | 79°58'49.62"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 29°53'55.88"N | 79°58'51.06"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 29°54'55.91"N | 79°58'52.78"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 29°53'55.30"N | 79°58'53.25"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 29°53'55.30"N | 79°58'53.68"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 29°53'56.01"N | 79°58'53.67"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 29°53'55.49"N | 79°58'54.97"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 29°53'55.03"N | 79°58'54.94"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 29°53'55.42"N | 79°58'54.31"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 29°53'55.08"N | 79°58'53.70"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 29°53'53.76"N | 79°58'53.46"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 29°53'54.35"N | 79°58'53.00"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 29°53'52.91"N | 79°58'51.82"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 29°53'52.22"N | 79°58'52.57"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 29°53'52.42"N | 79°58'51.90"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 29°53'52.44"N | 79°58'50.91"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 29°53'53.06"N | 79°58'51.27"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 29°53'53.76"N | 79°58'50.56"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 29°53'53.85"N | 79°58'49.90"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 29°53'53.24"N | 79°58'49.79"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 29°53'53.73"N | 79°58'47.52"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 29°53'53.67"N | 79°58'46.90"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 29°53'53.87"N | 79°58'46.87"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 29°53'54.37"N | 79°58'48.12"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 29°53'53.98"N | 79°58'50.07"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 29°53'54.68"N | 79°58'50.36"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 29°53'54.83"N | 79°58'48.88"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 29°53'56.53"N | 79°58'48.59"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 29°53'56.53"N | 79°58'46.68"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 29°53'57.18"N | 79°58'45.79"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 29°53'57.83"N | 79°58'45.79"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 29°53'57.78"N | 79°58'44.33"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 29°53'58.72"N | 79°58'44.04"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 29°53'58.82"N | 79°58'42.06"E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14. | Letter of Intent | LOI Letter No-1719/VII-1/01-Soapstone/2015, Dated 09-11-2015, for a period of Twenty-Five (25) years. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15. | Mine Plan approval details | संख्या: 2874/ मुखं/बागे/खनन /08/भूखनिई / 2014-15, दिनांक 08/11/2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16. | Validity of Mine Plan | For First 5 Years | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17. | Total geological | 409539 million Tonnes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|-----|--|--|
| | Reserves | |
| 18. | Total Proposed Production/Year | First Year 5800 |
| | | Second Year 7439 |
| | | Third Year 8211 |
| | | Fourth Year 9402 |
| | | Fifth Year 13022 |
| 19. | Sanctioned Period of Mine lease | Twenty-Five (25) Years |
| 20. | Method of Mining | Opencast Semi-mechanized |
| 21. | No. of working days | 240 |
| 22. | Working hours/day | 10 hr/day |
| 23. | No. of workers | 60 |
| 24. | Type of Land | Agriculture private land |
| 25. | Ultimate Depth of Mining | 12m |
| 26. | Water Requirement | 4.0 KLD |
| 27. | Any litigation pending against the project or land in any court | None |
| 28. | Ecological Sensitive Map/zone | There is none ecological sensitive zone exists within 10kms radius of proposed project site |
| 29. | Details of 500 m Cluster certificate & Map Verified by Mining Officer | <p>The proposed project is a part of mine clustering of following leases: -</p> <p>1-Baikori Soapstone Mining Project, Lessee: - Sh. Sundar Singh Mehra S/o Sh. Sado Singh Area: - 04.680 Hectare- None operative.</p> <p>2-Thadaijar/ Rkholagaon Soapstone Mining Project Lessee: - Sh. Dhan Singh Bafila S/o Sh. Kheem Singh Area: - 01.279 Hectare- None operative.</p> <p>3-Baikori Soapstone Mining Project, Lessee: - M/s Pungar Valley Soapstone Pvt. Ltd. Area: -02.120 Hectare- Operative.</p> <p>But first two (2) of them are non-operational/operative since long, last one is operative but the environment clearance for the project has been granted before 2016, so as per EIA notification dated 1st July 2016, Notification No. 1640, for clustering, it would not include in the area calculation, so, this proposed lease shall be considered as less than 5hectare lease, as B2 category project (Cluster Certificate & Notification attached).</p> |
| 30. | Proposed CER cost (Rs.) | 5.25 Lakhs |
| 31. | Proposed EMP cost (Rs.) | 13.50875 Lakhs |
| 32. | No. of Trees to be Planted. | 1000 Trees/Year |
| 33. | Detail of CTE/CTO issued by UKPCB | Yet to be granted |

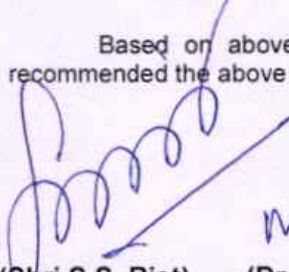
The Committee after examining the original proposal and after going through the presentation done by the consultant has made the following observations-


- The committee further directed that mining/extraction of mineral and progressive mine closure should be done as per the approved mine plan.
- The committee also suggested that mine site should have well demarcated safety zone i.e. mining operation will not be carried out in the vicinity of 100 m from nearby bridges, educational institution or structures of historical importance.
- The committee desired that proponent should undertake afforestation activities in the buffer zone as well as in the nearby project site. Minimum 8000 plants in 4.0 Ha will be planted in first two years followed by maintenance in the next three years. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The committee suggested that the proponent should provide Eco-friendly toilets for the workforce.
- The mining operation would provide local employment and bring economic benefit to local population.
- Approved DSR of District Bageshwar is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.

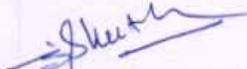
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- The Project Proponent has submitted a Cluster Certificate issued by Mining Department, Uttarakhand vide his letter no 530 dated-17.10.2022 stating that there is two other non-operative mining lease falls within 500 m radius of the lease area, thus the above mine lease shall be considered under B2 category.
- The Project Proponent has submitted a certificate issued by DFO, Bageshwar vide his letter no 2548/9-2 dated-27.03.2019 stating that the proposed area for mining does not lies within 10 KM of any National Park/Sanctuary.
- The project proponent shall submit quarterly reports pertaining to ambient air quality, ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- All the vehicles being used for transportation from the mine site should have a valid pollution under control certificate.
- The Proponent shall ensure installation of water sprinklers within the premises to prevent dust hazards.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The project proponent shall ensure proper collection, treatment and disposal of mule excrete.
- The project proponent shall undertake suitable measures to avoid spillage of over burden and inter burden. During monsoon stocked over burden shall be covered so that it will not spill into nearby water bodies.
- The project Proponent shall ensure the reclamation of mining area as per mine closure plan at his own cost.
- The project proponent shall undertake all the activities agreed during public consultation.
- The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
- The EC issued will be coterminus with the Forest Clearance issued by MoEF&CC, GOI.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.


Based on above observations and subject to conditions (**Annexure-4**), the committee recommended the above project for grant of Environmental Clearance.


(Shri S.S. Bist)
Chairman, SEAC

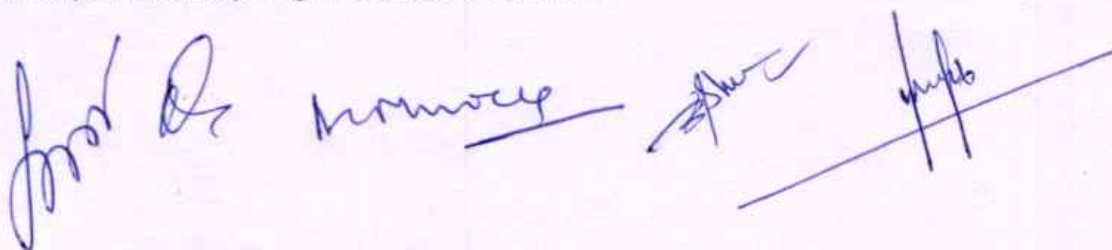

(Dr. A.K. Minocha)
Member, SEAC


(Dr. Ashutosh Gautam)
Member, SEAC

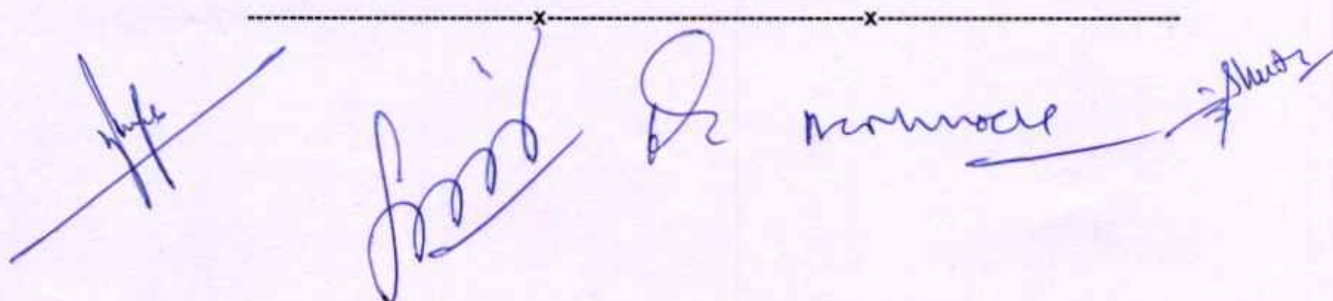

(Dr. B.P. Purohit)
Member, SEAC


(Shri Nitish Mani Tripathi)
Member Secretary, SEAC

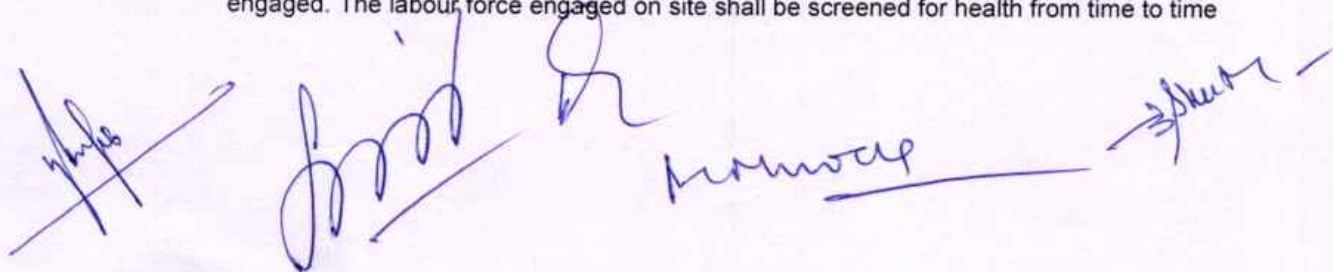
- 1) Consent to Establish/Consent to Operate shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site.
- 2) The building plan and structural design of the unit shall comply with requirements of Seismic Zone – IV as outlined in National Building Code.
- 3) No further expansion or modifications in the plan shall be carried out without the prior approval of competent authority.
- 4) During any type of construction in the existing land area, the topsoil excavated shall be used for backfilling/ landscape development/ green belt development. The same shall not be disposed off outside the boundaries of project site without approval of Competent Authority.
- 5) The groundwater samples shall be tested from accredited labs and it shall be ensured that test results comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.
- 6) All stacking and loading areas should be provided with proper garland drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials must not be allowed to contaminate watercourse and dumpsites as these may leach into ground water
- 7) The manufacturing process shall be carried out in closed atmosphere without having any air emissions. However air emissions from DG set should comply with CPCB norms by designing stack of adequate height
- 8) No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards.
- 9) All the hazardous residue and wastes arising from units shall be either sent to TSDF for land filling or for incineration. Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc.
- 10) The gaseous emissions (SO_x , NO_x , CO, VOC and HC) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- 11) Fugitive emissions in the work zone environment, product, raw materials and storage areas shall be regularly monitored. The emissions shall conform to the limits imposed by the UKPCB/Central Pollution Control Board. Dust / Powder from the formulation process shall be collected by dust extractor.
- 12) The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storages and Import of Hazardous Chemicals Rules, 1989, as amended from time to time. Authorization from the UKPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
- 13) The DG sets shall use Low Sulphur Diesel type fuel and should have stack height complying with CPCB norms. DG set should be operated only during power failure in emergency situation.
- 14) The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system. Dust Suppression during construction activity shall be ensured. Acoustic enclosures shall be provided with all machineries and DG sets on site complying with Noise Levels as per CPCB standards.
- 15) All liquid raw materials shall be stored in storage tanks and drums. Closed handling systems for chemicals and solvents shall be provided. Magnetic seals shall be provided for pumps/agitators for reactors for reductions of fugitive emissions.
- 16) The vehicles used at the factory site should comply with emission norms and noise level standards of CPCB and State Transport Department. They should be operated only during non peak hours.
- 17) All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time
- 18) Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.



- 19) Training shall be imparted to all employees on safety and health aspects of handling of chemicals. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.
- 20) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- 21) The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.
- 22) Rainwater harvesting for surface run off shall be ensured. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles.
- 23) Energy consumption measures like installation of LED/TFL for the external lighting area shall be ensured. The used LED/TFL shall be properly collected and disposed off as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
- 24) One third of the total project site area shall be converted into green belt. The green belt shall not include kitchen garden, flower pots and grasses/herbs in the area. It shall comprise of tree stand of aesthetic/fruit/timber value. Quality planting material shall be used during plantation in consultation with State Forest Department. The species should include criterion of fruit bearing and fast growth.
- 25) Solar panel/energy should be encouraged/installed in the premises.
- 26) The project proponent shall undertake in eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- 27) The project proponent shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project.
- 28) The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.








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- 2) The building plan and structural design of the unit shall comply with requirements of Seismic Zone – IV as outlined in National Building Code.
- 3) No further expansion or modifications in the plan shall be carried out without the prior approval of competent authority.
- 4) The Project Authority shall strictly comply with provisions of Doon Valley Notification, 1989 & 2020
- 5) During any type of construction in the existing land area, the topsoil excavated shall be used for backfilling/ landscape development/ green belt development. The same shall not be disposed off outside the boundaries of project site without approval of Competent Authority.
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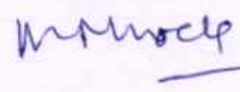

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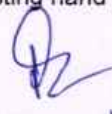
- 1) Legal status of the mining lease area shall remain unchanged and the Environmental Clearance shall remain coterminous with the lease period. The mined lease area shall not be used for any purpose other than that specified in the proposal
- 2) The project proponent shall formulate a transparent and unbiased procedure for engagement of labourers for sustainable extraction of the minor minerals from the mining lease area
- 3) The boundary of the mined lease area shall be demarcated on ground by erecting pillars, each inscribed with its serial number, DGPS coordinates, forward and back bearing, and distance from adjoin pillars etc. This demarcation will be ensured by the Revenue Department. A bench mark will be established to monitor depth of the mining
- 4) The project proponent has to regulate and maintain record of the quantity of minor minerals extracted during a season. The monitoring shall be ensured by Mines Department/District Administration from time to time
- 5) The collection time of mining shall be from sun-rise to sun-set
- 6) The project proponent shall strictly adhere to the norms of Transport Department in refraining from use of polluting and less fuel efficient vehicles for transporting extracted minor minerals. There shall be no over loading of vehicles as against standard norms fixed by Central Government/State Government/Hon'ble Courts from time to time
- 7) There shall be no labour camp in the mining lease area for the labour engaged in collection of the minor minerals. The labour engaged in collection/extraction work shall be provided free fuel wood/alternate source of energy to avoid any pressure on adjoining forest land.
- 8) The proponent shall erect eco friendly mobile toilets for the workforce at site and shall ensure disposal of solid waste as per the existing provisions/rules/guidelines
- 9) The Geology and Mining department shall ensure site specific river training works at the work site to ensure bank protection. A Corpus fund for this purpose will be set up and kept at the disposal of District Magistrate
- 10) The Geology and Mining department should identify an agency for regular/periodical monitoring of quality of ground water of existing hand pumps and tube wells in the vicinity of the mining site
- 11) The project proponent shall ensure that maximum local labour be engaged and hence employment opportunity provided. The project proponent shall follow all safety measures for labour force engaged in accordance with respected Acts/Rules
- 12) The project proponent shall prepare the plan of mining in conformity with the mine lease conditions and the Rules prescribed in this regard thereby clearly delineating the **No Work Zone** in the mine lease area i.e. the distance from the bank of river/mine site to be left un-worked (Non mining area), distance from the bridges etc. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard
- 13) The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro-geological regime of the surrounding area are not affected.
- 14) The project proponent shall ensure refraining from leaving behind clothes, personal belongings of labour engaged, polythene, plastic bottles, carton etc or any other solid waste in work site at the end of working season
- 15) The project proponent will provide protective respiratory devices to workers working in dusty areas and they shall also be provided with adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
- 16) Photography of the proposed mining site as well as the plantation sites undertaken by the project proponent showing GPS coordinates should be done (preferably using Drone) and submitted to SEIAA and regional office of MoEF&CC, Govt of India at Dehradun along with half-yearly compliance report.
- 17) The project proponent should plant as suggested by SEAC in first 2 years and followed by maintainance in the last 3 years. The plants should be planted in the buffer zone of the mining site and in the blank area near by van panchayats/gram sabha land.
- 18) The above environmental safeguards shall be implemented in letter and spirit. The project proponent shall establish Environment Monitoring Cell and also submit six monthly compliance reports to this Authority and regional office of MoEF&CC, Govt of India at Dehradun

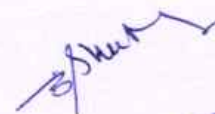
19) The project proponent shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project

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1. The legal status of the mining lease area shall remain unchanged and the Environment Clearance shall remain coterminus with lease period. The mined lease area shall not be used for any purpose other than that specified in the proposal
2. The mining/extraction of soapstone shall not be done without approved mine plan from designated authority. The mine plan should be revised every 5 years and no fresh mine plan shall be prepared without site inspection by designated authority
3. The boundary of the mined lease area shall be demarcated on ground by erecting pillars, each inscribed with its serial number, DGPS coordinates, forward and back bearing, and distance from adjoining pillars etc. This demarcation will be ensured by the Revenue Department. A bench mark will be established to monitor depth of the mining. A safety zone of 7.5 mt (surrounding the mine site) shall be left free from mining
4. The mining shall be carried out **as per approved mine plan** without adopting drilling and blasting operation. The use of hand held mechanically driven equipment is permitted. The use of any electrically driven machinery shall be remain prohibited and only hand held tools shall be used for extraction of the mineral
5. Soapstone mining shall be carried out during sunrise to sunset period only. It shall not involve felling of trees and clearance of vegetation. There shall be no permanent construction at the site except temporary erection of first aid room, office, store, drinking water shed, rest shelter etc.
6. The process of mining and quantity of extractable mineral and subsequently progressive mine closure shall be as per the approved mine plan. The mining operation shall be carried out from formation of benching pattern. The maximum height of benches shall not exceed 1.5 mt and ultimate pit slope shall be kept as per the approved mining plan.
7. The maximum permissible depth for mining of soapstone shall not exceed 6 meter or depth of ground water table whichever is less. During first five years of mining lease the depth of mining shall not exceed 3 meter. Mining beyond 6 meter shall be granted after site visit by SEAC
8. Mining shall be permissible from 1st October of every year to 15th June of the subsequent year. It shall be ensured that no mining activity is carried out during the monsoon season
9. Reclamation of the mine lease area shall be through back filling, stabilization and cultivation. The waste and top soil generated during mining shall be temporarily stacked in external dump which will be subsequently vacated and back filled in mined out pits. The waste generated in the area will be backfilled during rains and land made suitable for cultivation. Back filling shall be done in a retreating manner as per the approved mine plan. Mining activity and back filling shall be done simultaneously once space is available
10. No disturbance to natural drainage system around the mining lease area shall be done. No mixing of wastes is allowed. The dump site shall be kept away from the nearby nallahs/water bodies and maintained at a distance of at least 100 meters. The external dump shall be protected against slide/slip by adopting suitable mechanical and vegetative measures. Proponent should construct a retaining wall, along the nallah side, with suitable height to protect soil erosion. The construction of toe wall, check dam and planting of grass species/soil binding dwarf species in dump yard shall be done
11. The project proponent shall undertake transportation of mineral from pit head to read head manually or by mule. Further it shall strictly adhere to the norms of Transport Department in refraining from use of polluting and less fuel efficient vehicles for transporting extracted minerals to final destination. There shall be no over loading of vehicles as against standard norms fixed by Central Government/State Government/Hon'ble Courts from time to time
12. The project proponent shall regulate and maintain record of the quantity of soapstone extracted during a season. The monitoring shall be ensured by Mines Department/District Administration from time to time.
13. There shall be no labour camp in the mining lease area for the labour engaged in mining of soapstone. The labour engaged in mining shall be provided free fuel wood/alternate source of energy to avoid any pressure on adjoining forest land
14. Proponent should submit surface water quality and ambient air quality monitoring report as committed in EMP, with suitable parameters
15. Under corporate social responsibility proponent should develop community services such as drinking water, education, housing, sanitation, health, safety and medical facilities, public transportation and communication, social welfare etc.
16. The proponent shall erect eco friendly mobile toilets for the workforce at site and shall ensure disposal of solid waste as per the existing provisions/rules/guidelines
17. Afforestation shall be carried out in nearby Van Panchayat. The species selection shall be site specific and cater to the demand of the Van Panchayat. The concerned district official of State Forest Department shall ensure the compliance.
18. The Geology and Mining department shall identify an agency for regular/periodical monitoring of quality of ground water of existing hand pumps and tube wells in the vicinity of the mining site




19. The project proponent shall formulate a transparent and unbiased procedure for engagement of laborers for sustainable extraction of the minerals from the mining lease area. The project proponent shall ensure that maximum local labour be engaged and hence employment opportunity provided. The project proponent shall follow all safety measures for labour force engaged in accordance with relevant Acts/Rules
20. The project proponent shall prepare the plan of mining in conformity with the mine lease conditions and the Rules prescribed in this regard thereby clearly delineating the No Work Zone in the mine lease area i.e. at least 100mt distance from Nallahs/Water Bodies, bridges, educational institution or structures of historical importance.
21. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard
22. The project proponent shall provide protective respiratory devices to workers working in dusty areas and they shall also be provided with adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained
23. The proponent shall erect eco friendly mobile toilets for the workforce at site and shall ensure disposal of solid waste as per the existing provisions/rules/guidelines
24. The project proponent shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project
25. The project proponent should plant as suggest by SEAC in first 2 years and followed by maintenance in the last 3 years. The plants should be planted in the buffer zone of the mining site and in the blank area near by van panchayats/gram sabha land.
26. Photography of the proposed mining site as well as the plantation sites undertaken by the project proponent showing GPS coordinates should be done (preferably using Drone) and submitted to SEIAA and regional office of MoEF&CC, Govt of India at Dehradun along with half-yearly compliance report.
27. The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
28. The above environmental safeguards shall be implemented in letter and spirit. The project proponent shall establish Environment Monitoring Cell and also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.

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