

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

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Letter No: 45/SEAC  
Dated: 08 January, 2024

The First day of 18<sup>th</sup> meeting of the Uttarakhand State Level Expert Appraisal Committee (SEAC) was held on 8<sup>th</sup> January, 2024 at the SEIAA/SEAC office Dehradun. The following were present at the meeting –

- |                               |                  |
|-------------------------------|------------------|
| 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, Construction & Mining (R.B.M/Soapstone/Quartzite Boulders) etc. The concerned recognized environment consultants of the proponents made the presentations.

**Proposals as Uploaded on PARIVESH 2.0**

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

**Proposal – 1**

Online proposal No.	SIA/UK/INFRA2/454441/2023
Name of the Project	Proposed Footwear Manufacturing Unit by M/s Doon Foot Craft at Khasra No. 3928 & 3929, Majri Grant, Lal Tappar, Tehsil- Doiwala, District- Dehradun.
Name & Address of Proponent	M/s Doon Foot Craft by Shri Rajendra Pundir (Partner)
Whether New/Expansion/Modernization Project	New
Total Plot Area	3153.38m <sup>2</sup>
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)

The project was submitted vide proposal no SIA/UK/INFRA2/454441/2023 on dated 5<sup>th</sup> December, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Footwear Manufacturing Unit. 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 M/s Rian Enviro Pvt. Ltd. and project was presented by Shri Muzaffar Ahmad, EIA Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description		
1.	Products and quantity	S.No.	Products	Nos./Month
		1	Shoes	10000
		2	Slippers	10000
		3	Sandals	10000
2.	Estimated Project Cost	3.30 Crores		
3.	Total Plot Area	3153.38Sq.m		
4.	Existing Green Area			
5.	Proposed Green Area	1040.61Sq.m		
6.	Fresh Water Consumption	6.0 KLD		
7.	Fresh Water Source	Borewell		
8.	Power Demand	100 KVA		
9.	Power back up	DG Set - 140 KVA (01 No.)		
10.	Wastewater Management	Proposed STP (Capacity – 5.0 KLD)		
11.	Steam and heating system	Nil		

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12.	Fuel Consumption	DG Set - HSD (32.0 Litr/Hr.)
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**Land use details:**

S.No	Parameters	Description
1.	Ground Coverage	2068.08 Sq. m
2.	Green Area	1040.61 Sq. m
3.	Open Area	44.69 Sq. m
	<b>Total Plot Area</b>	<b>3153.38 Sq. m</b>

**Raw material details:**

S.No	Major Raw Material	Avg. consumption per Annum	Source	Mode of Transport
1.	EVA	28735 Sheet		Road
2.	Rubber Sheet	6500 Mtr.		Road
3.	Mesh	12460 Mtr.		Road
4.	Thread	3000 Con		Road
5.	PU	4567 Mtr.		Road
6.	Chemical	12347 Kg		Road
7.	Inner Box	75000 Box		Road
8.	Outer Box	7834 Box		Road
9.	Webbing Tape	127850 Mtr.		Road
10.	BOPP Tape	378 Roll		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]	200 Nos.		4.00	2.50
2	Flushing water	200 Nos.		2.00	2.00
3	Gardening	1040.61 Sq. m		4.00	0.00
	<b>Total</b>			<b>10.00</b>	<b>4.50</b>

**Solid waste details:**

S.No.	Waste Detail	Quantity Generation	Utilization/Disposal
1	Spent Oil	0.1 (MTPA)	Authorized Recycler
2	Contaminated Barrels	10 (Nos./Year)	Authorized Recycler

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

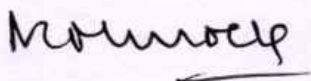
- Project Proponent shall ensure to increase numbers of toilets for female workers upto 6 Nos.
- Project Proponent shall install VOC scrubbing system.
- Project Proponent shall comply with the EPR authorization, if applicable.
- Project Proponent shall ensure compliance of CER activity through any Govt. Organization.
- Project Proponent shall install STP.
- Project Proponent shall dispose off discarded raw materials to authorized TSDF as per applicable rules.
- Project Proponent shall ensure compliance of CSR/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.

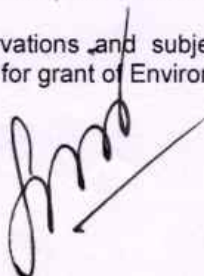
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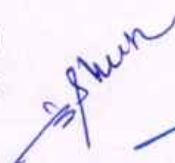
- The groundwater samples shall be tested from accredited labs and it shall be ensured that test results comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.
- All stacking and loading areas should be provided with 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.
- 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

Online proposal No.	SIA/UK/MIN/438153/2023
Site Details	Proposed Extraction of Soapstone at Village - Toli, Tehsil - Kapkot, District- Bageshwar.
Name & Address of Proponent	Smt Khashti Danu W/o Shri Tej Singh Danu Address: Village - Karmitoli, Karmi, Tehsil - Kopkot, Dist - Bageshwar.
Coordinates	Latitude- 30°03'04.4555"N to 30°03'02.4894"N Longitude- 79°52'36.5551"E to 79°52'35.3183"E
Mining Lease Area	15.283 Ha.
Category	B1& 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/438153/2023 on dated 6<sup>th</sup> December, 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).

During presentation the SEAC observed that the project proponent has submitted a request letter dated- 08.01.2024 to consider the above project on 9.01.2024. As the Agenda as well as the minutes are issued online hence, additional agenda cannot be generated at such a short notice. Therefore, with the permission of chair the committee decided to defer the project.

### Proposal – 3

Online proposal No.	SIA/UK/MIN/413812/2023
Site Details	Proposed Extraction of Soapstone at Khand No. A,B,C,D,E,F,G,H,I,J,K,L, Village- Malladesh, Tehsil- Kapkot, District- Bageshwar.
Name & Address of Proponent	M/s New Prakateshwar Minerals by Shri Vivek Kumar SahR/o- Tehsil- Haldwani, Dist- Nainital.
Coordinates	Khand Wise- A to L Latitude- 29°57'59.71"N to 29°58'12.86"N Longitude- 79°57'24.28"E to 79°56'55.87"E
Mining Lease Area	15.713 Ha.
Category	B1& 1(a) enlisted in project /activity as per EIA Notification, 2006

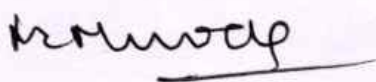
The project was submitted vide proposal no SIA/UK/MIN/413812/2023 on dated 7<sup>th</sup> December, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a).

During presentation the SEAC observed that the project proponent has submitted a request letter dated- 08.01.2024 to consider the above project on 9.01.2024. As the Agenda as well as the minutes are issued online hence, additional agenda cannot be generated at such a short notice. Therefore, with the permission of chair the committee decided to defer the project.

### Proposal – 4

Online proposal No.	SIA/UK/INFRA2/454778/2023
Name of the Project	Proposed establishment of 200 TPH Stone Crusher Plant along with 500 KVA Green Insulated DG set at Khasra No. 1224, 1233, 1223, 1225, 1226, 1220 Kha, 1326, 1329, 1330, 1325 Kha Village-Majiri Grant, Tehsil-Doiwala, District- Dehradun.
Name & Address of Proponent	M/s Shree Balaji Stone Crusher by Shri Prakash Singh Dhiman (Partner)
Whether New/Expansion/Modernization Project	New
Total Plot Area	1.5500 Ha.
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)

The project was submitted vide proposal no SIA/UK/INFRA2/454778/2023 on dated 8<sup>th</sup> December, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed establishment of 200 TPH Stone Crusher Plant along with 500 KVA DG set. 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



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detailed project related information in Form 1, Pre Feasibility Report and EMP. Project was prepared by Accredited consultancy firm M/s Rian Enviro Pvt. Ltd. and project was presented by Shri Muzaffar Ahmad, EIA Coordinator. The details of the project are as follows:-

S.No	Parameters	Description
1.	Products and quantity	RBM 200 TPH
2.	Estimated Project Cost	3.53Cr.
3.	Total Plot Area	Total area – 1.6270 Hectare. Project Area - 1.5500 Hectare.
4.	Proposed Green Area	
5.	Proposed Green Area	5115Sq. m
6.	Fresh Water Consumption	7.74KLD
7.	Fresh Water Source	Borewell
8.	Power Demand	400 KVA
9.	Power back up	500 KVA
10.	Wastewater Management	Sewage – 0.20 KLD (Disposed through Septic Tank/Soak Pit).
11.	Steam and heating system	Nil
12.	Fuel Consumption	100 LPH(DG set)

**Land use details:**

S.No	Parameters	Description
1.	Ground Coverage	2864.40Sq. m.
2.	Road and Paved area	961.90Sq. m.
3.	Parking area	1219.60Sq. m.
4.	Green Area	5115.00 Sq. m.
5.	Other	5339.10Sq. m.
	Total Plot Area	15500.00 Sq. m.

**Raw material details:**

S.No	Major Raw Material	Avg. consumption per day	Source	Mode of Transport
1.	RBM	2000 TPD	Open Market	Road

**Domestic Water Demand and Effluent Generation:**

S.No.	Uses	Population/ area	Consumption rate (LPCD)	Water requirement [KLD]	Domestic Effluent [KLD]
1	Domestic uses	8	20	0.16	0.12
2	Flushing water	8	10	0.08	0.08
3	Greenbelt	5115 Sq. m		2.00	0.00
	Total			2.24	0.20

**Industrial Water Demand and Effluent Generation:**

S.No.	Uses	Water requirement [KLD]	Effluent Generation [KLD]
1	Stone Crusher(Washing& Sprinkling)	90.0	
	Total	90.0	

**Solid waste details:**

S.No.	Waste Detail	Quantity Generation	Utilization/Disposal
1	Empty barrels /liners/containers contaminated with hazardous wastes/ chemicals [Category 33.1]	10 Nos./Annum	Authorized recycler
2	Used Oil [Category 5.1]	0.1 MTPA	Authorized recycler

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 informed in his presentation that the actual distance of the project site from the bank of non-perennial river is 75 meters & no other perennial river falls within 500 meters of the said project.
- Govt. of Uttarakhand has issued G.O. in favour of this project vide its letter No- 2881 dated- 04.12.2023 which is valid for 10 years, the present E.C. will remain co-terminus

*Muzaffar Ahmad*

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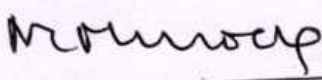
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with the duration of the Govt. G.O. In future if extension/renewal is provided by the Govt. then the current E.C. will be co-terminus with the extended/renewed G.O.

- **Project Proponent shall ensure to increase numbers of toilets for workers upto 5 Nos.**
- **Project Proponent shall ensure to arrange the site visit of SEAC sub-committee before grant of Consent to Operate.**
- Project Proponent shall submit document pertaining to land use change along with the six monthly compliance report.
- Project Proponent shall ensure compliance of CER activity through any Govt. Organization.
- The Project proponent has assured that he will use new and most advanced machineries, which are efficient to minimize air and noise pollution.
- The Project proponent has assured that they will ensure 3 layered plantation on the periphery of the premises.
- The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- The unit should properly provide covered processing area for control of fugitive emission.
- The unit should provide ducting and scrubbing system in cover shed to arrest dust as per State Policy, 2021.
- The unit should provide pucca drain for wastewater conveyance to settling tank.
- The unit shall provide proper overflow system in settling tank.
- The unit should provide proper water sprinklers with sufficient pressure as per State Policy, 2021.
- The unit should install interlock system for air pollution control device and process.
- The unit should expedite to construct brick wall of sufficient height. The unit should provide adequate green belt as per State Policy 2021. Till the adequate growth of plants, the unit may provide other alternative arrangement for fugitive emission control.
- The unit should provide complete metaled road as per State Policy, 2021.
- The unit should maintain proper log book of fresh water consumption.
- 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 fortnightly reports pertaining to ambient air quality, and quarterly 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 reports pertaining to ambient air quality shall be submitted before 10<sup>th</sup> day of every month and the reports pertaining to ground water quality and noise shall be submitted before 10<sup>th</sup> day of every fourth month to SEIAA.
- 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 rainwater harvesting activities in the surrounding villages preferably in the schools, primary health centers in consultation with local authorities.
- Barricading (boundary) of at least 20 feet height around the project site shall be constructed by the project proponent.
- 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.
- All the vehicles being used for transportation from the Stone Crusher Plant should have a valid pollution under control certificate.
- The Project proponent shall submit dust emission dispersion modeling to SEIAA on yearly basis from Government recognized institution/NABET approved consultant.
- The project proponent shall ensure maintenance of the approach road.
- The project proponent is allowed to run the plant only during day time. The plant running hour shall not be more than 10 hours in a day.
- The Project Proponent shall obtain CTE/CTO from UKPCB prior to operation of the plant.







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- The Project Proponent shall follow guidelines issued for Stone Crusher by MoEF&CC, CPCB and UKPCB as amended from time to time.
- The Project Proponent shall follow directions/orders issued by Hon'ble High Court/NGT/ Supreme Court with respect to establishment of Stone Crusher Plant or on issues pertaining to pollution by Stone Crusher Plant.
- 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 – 5

Online proposal No.	SIA/UK/INFRA2/454931/2023
Name of the Project	Proposed Allopathic Pharmaceutical Preparations Manufacturing Unitat Khasra number 2754, 2755, Village- Mauza Shankarpur Hakumatpur, Pargana- Pachwa Doon, Tehsil- Vikasnagar, District- Dehradun.
Name & Address of Proponent	M/s Silver Line Laboratories Private Limitedby Shri BaldevSahni(Director)
Whether New/Expansion/ Modernization Project	New
Total Plot Area	1785.00m <sup>2</sup>
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 &2020)

The project was submitted vide proposal no SIA/UK/INFRA2/454931/2023on dated 9<sup>th</sup>December, 2023by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Allopathic Pharmaceutical Preparations Manufacturing Unit. 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 M/s Rian Enviro Pvt. Ltd. and project was presented by Shri Muzaffar Ahmad, EIA Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description									
1.	Products and quantity	<table> <tr> <th>S.No.</th><th>Products</th><th>Nos./Month</th></tr> <tr> <td>1</td><td>Contact Lenses</td><td>10,000 Nos./Day</td></tr> <tr> <td>2</td><td>Solution for Contact Lenses</td><td>2000 Liter/Day</td></tr> </table>	S.No.	Products	Nos./Month	1	Contact Lenses	10,000 Nos./Day	2	Solution for Contact Lenses	2000 Liter/Day
S.No.	Products	Nos./Month									
1	Contact Lenses	10,000 Nos./Day									
2	Solution for Contact Lenses	2000 Liter/Day									
2.	Estimated Project Cost	4.90 Crores									
3.	Total Plot Area	1785.00Sq.m									
4.	Existing Green Area										
5.	Proposed Green Area	590.00Sq.m									
6.	Fresh Water Consumption	3.0 KLD									
7.	Fresh Water Source	Borewell									
8.	Power Demand	50 KVA									
9.	Power back up	DG Set - 50 KVA (01 No.)									
10.	Wastewater Management	Septic Tank/Soak Pit.									
11.	Steam and heating system	Nil									
12.	Fuel Consumption	DG Set - HSD (10.0 Litr/Hr.)									

#### Land use details:

S.No	Parameters	Description
1.	Ground Coverage	764.90 Sq. m
2.	Green Area	590.00 Sq. m
3.	Other Area	430.10 Sq. m

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	<b>Total Plot Area</b>	<b>1785.00 Sq. m</b>
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**Raw material details:**

S.No	Major Raw Material	Avg. consumption per Annum	Source	Mode of Transport
1.	Di-Sodium Tetraborate BP (Borax)			Road
2.	Boric Acid BP			Road
3.	Di-Sodium Edatate BP			Road
4.	Potassium Chloride			Road
5.	Sodium Chloride			
6.	Poloxamer BP			Road
7.	Hypromellose BP			Road
8.	Polyhexnide			Road
9.	MPC Polymer ML			Road
10.	Carboxymethyl Cellulose			Road
11.	Sodium Hypochlorite			Road
12.	Potassium bromide			
13.	Sodium Lauryl Sulphate			
14.	Polyvinyl Alcohol			

**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 Nos.		0.20	0.14
2	Flushing water	10 Nos.		0.10	0.10
3	Gardening	590 Sq. m		0.70	0.00
	<b>Total</b>			<b>1.00</b>	<b>0.24</b>

**Industrial Water Demand and Effluent Generation:**

S. No.	Uses	Water requirement [KLD]	Effluent Generation [KLD]
1	Manufacturing Process	2.00	--
	<b>Total</b>	<b>2.00</b>	<b>--</b>

**Solid waste details:**

S.No.	Waste Detail	Quantity Generation	Utilization/Disposal
1	Spent Oil	0.1 (MTPA)	Authorized Recycler
2	Contaminated Barrels	10 (Nos./Year)	Authorized Recycler

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

- This E.C is only for making solution for contact lenses under allopathic pharmaceuticals preparation & no other pharmaceuticals preparations are allowed without taking further E.C. The contact lenses may also be covered under the product list as per applicable rules.
- Project Proponent shall install STP.
- Project Proponent shall dispose off discarded medicines/raw materials to authorized TSDF/CBWTF as per applicable rules.
- Project Proponent shall install VOC scrubbing system.
- Project Proponent shall comply with the EPR authorization, if applicable.
- Project Proponent shall ensure compliance of CER activity through any Govt. Organization.
- The project proponent shall construct rainwater harvesting pits in such a manner to prevent the ingress of contaminated water from 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

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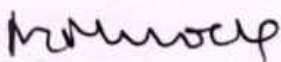
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be disposed off outside the boundaries of project site without approval of Competent Authority.

- 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.
- 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 ( $\text{SO}_x$ ,  $\text{NO}_x$ , 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 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 – 6**

<b>Online proposal No.</b>	SIA/UK/MIN/456739/2023
<b>Site Details</b>	Proposed Extraction of Soapstone at Village-Khuldaudi, Tehsil & District- Bageshwar.
<b>Name &amp; Address of Proponent</b>	Shri Lalit Mohan Joshi S/o Shri Mahesh Chandra Joshi R/o Tehsil Road, Bageshwar.
<b>Coordinates</b>	Latitude- 29°52'32.93"N to 29°52'32.83"N Longitude- 79°48'35.00"E to 79°48'32.89"E
<b>Mining Lease Area</b>	4.994 Ha.
<b>Category</b>	B2 & 1(a) enlisted in project /activity as per EIA Notification, 2006. But as per notification O.M No- F.No.L-11011/175/2018-IA-II(M) dated-12-12-2018, the project has been screened in to category B1 (cluster formation of >5 Ha with in 500 meter periphery of concerned mine).

The project was submitted vide proposal no SIA/UK/MIN/456739/2023 on dated 31<sup>st</sup> December, 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 committee observed that the ToR was recommended by the SEAC in its 8<sup>th</sup> meeting dated- 25.05.2023, the ToR letter was issued vide letter No.-282/SEIAA dated-03.06.2023 and the public hearing was conducted on dated-20.09.2023. The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc.

**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	Lalit Mohan Joshi, S/o Shri Mahesh Chandra Joshi,																														
2.	Registered Address	Tehsil Road, Bageshwar, District- Bageshwar,																														
3.	Full correspondence address of proponent and mobile no.	Tehsil Road, Bageshwar, District- Bageshwar, Uttarakhand, Mobile No. 8630721461																														
4.	Name of Project	Khuldaudi Soapstone Mining Project																														
5.	Project Location (Plot. Khasra/Gata No.)	9062, 9064, 9065, 9071, 9072, etc.																														
6.	Name of Village	Khuldaudi																														
7.	Tehsil	Bageshwar																														
8.	District	Bageshwar																														
9.	State	Uttarakhand																														
10.	Name of Minor Mineral	Soapstone																														
11.	Sanctioned Lease Area (in Ha.)	4.994 Hectare																														
12.	Max. & Min mRL within lease area	1092.23m to 1290.31m ,																														
13.	Pillar Coordinates (Verified by DMO)	Total 16 Number of Pillar Coordinates- <table border="1"> <thead> <tr> <th>Pillar No.</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr><td>1</td><td>29°52'32.93"N</td><td>79°48'35.00"E</td></tr> <tr><td>2</td><td>29°52'35.78"N</td><td>79°48'33.26"E</td></tr> <tr><td>3</td><td>29°52'35.21"N</td><td>79°48'28.93"E</td></tr> <tr><td>4</td><td>29°52'31.43"N</td><td>79°48'30.23"E</td></tr> <tr><td>5</td><td>29°52'29.83"N</td><td>79°48'28.76"E</td></tr> <tr><td>6</td><td>29°52'25.30"N</td><td>79°48'26.03"E</td></tr> <tr><td>7</td><td>29°52'21.18"N</td><td>79°48'25.04"E</td></tr> <tr><td>8</td><td>29°52'17.24"N</td><td>79°48'25.22"E</td></tr> <tr><td>9</td><td>29°52'17.06"N</td><td>79°48'26.20"E</td></tr> </tbody> </table>	Pillar No.	Latitude	Longitude	1	29°52'32.93"N	79°48'35.00"E	2	29°52'35.78"N	79°48'33.26"E	3	29°52'35.21"N	79°48'28.93"E	4	29°52'31.43"N	79°48'30.23"E	5	29°52'29.83"N	79°48'28.76"E	6	29°52'25.30"N	79°48'26.03"E	7	29°52'21.18"N	79°48'25.04"E	8	29°52'17.24"N	79°48'25.22"E	9	29°52'17.06"N	79°48'26.20"E
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		10	29°52'20.31"N	79°48'29.09"E
		11	29°52'22.27"N	79°48'27.66"E
		12	29°52'26.23"N	79°48'28.41"E
		13	29°52'27.07"N	79°48'30.59"E
		14	29°52'26.93"N	79°48'32.59"E
		15	29°52'30.99"N	79°48'32.81"E
		16	29°52'32.83"N	79°48'32.89"E
14	Letter of Intent	LOI Letter No- 67/VII-A-1/2022- 01(7)/2021, Dated 07-01-2022, for a period of Twenty-Five (25) years.		
15	Mine Plan approval details	संख्या:2336/मुंखं/खनन/23/सोपस्टोन/बागे0/भूखनि ०ई०/2021-22, दिनांकित 22/09/2022		
16	Validity of Mine Plan	For First 5 Years		
17	Total geological Reserves	6,67,121.31Tonnes		
18	Total Proposed Production/Year	First Year	12,829	
		Second Year	16,319	
		Third Year	20,679	
		Fourth Year	24,866	
		Fifth Year	30,330	
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	47		
24	Type of Land	Agriculture private land		
25	Ultimate Depth of Mining	12m		
26	Water Requirement	4.5 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 (Certificate Submitted)		
29	Details of 500 m Cluster certificate & Map Verified by Mining Officer	<b>The proposed project is a part of mine clustering, of following leases: -</b> <b>1-M/s Sunshine Minerals-Khuldaudi, Lessee: - Sh. M.S. Rathore&amp; others, Area:- 34.126Hectare, Status- Operative Mine.</b>		
30		<b>2-Pankaj Bhatt Mine-Khuldaudi, Lessee: - Sh. Pankaj Bhatt, Area:-12.613Hectare, Status- Mining Lease Sanctioned.</b>		
31		<b>3-M/s Almora Magnesite Ltd-Chidang, Lessee:-M/s Almora Magnesite Ltd, Area:- 05.38 Hectare Status- Mining Lease Sanctioned.</b> (Certificate Submitted)		
32	Proposed CER cost (Rs.)	4.0 Lakhs		
33	Proposed EMP cost (Rs.)	7.87875Lakhs		
34	No. of Trees to be Planted.	5000 Trees		
35	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.**

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- 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-101 dated-23.05.2023 stating that there are three another mining lease falls within 500 m radius of the lease area, whose cumulative mine lease area >5 Ha.
- 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-06.10.2023 stating that the proposed area for mining does not lies within 10 KM of any National Park/Sanctuary.
- **The Project Proponent shall ensure that the issues/concerns raised during public consultation are addressed amicably.**
- 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-2**), the committee recommended the above project for grant of Environmental Clearance.

#### Proposal – 7

Online proposal No.	SIA/UK/INFRA2/456598/2023
Name of the Project	Proposed construction of Affordable Housing Project under Pradhan Mantri Awas Yojana, Urban ( <b>Under Violation</b> ) at Khasra No. 66 & 68/2, Village Beldi, Tehsil- Roorkee, District- Haridwar
Name & Address of Proponent	M/s Debi Kay Systems Private Limited by Shri Arjun Mangal (Director)
Whether New/Expansion Project	New
Total Plot Area	23665.00 m <sup>2</sup>
Total Build up Area	33719.96 m <sup>2</sup>
Project Category	B(a) enlisted in project /activity as per EIA Notification, 2006



The project was submitted vide proposal no SIA/UK/INFRA2/456598/2023 on dated 04<sup>th</sup> January, 2024 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed construction of Affordable Housing Project under Pradhan Mantri Awas Yojana, Urban (**Under Violation**). The committee observed that the ToR was recommended by the SEAC in its 4<sup>th</sup> meeting dated- 04.03.2023, the ToR letter was issued by SEIAA vide letter No.- 247/SEIAA dated-09.03.2023. The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP, Additional Studies etc. **Project was prepared by Accredited consultancy firm M/s Rian Enviro Pvt. Ltd. and project was presented by Shri Muzaffar Ahmad, EIA Coordinator.** The details of the project are given below:-

S.No	Parameters	Description
1.	Plot Area	23665.00 Sq. m
2.	Proposed Built Up Area	33719.96 Sq. m
3.	Total no of Flats	
4.	Total EWS Unit	1088
5.	Max Height of Building (Upto Terrace)	12.2m
6.	Max No of Floors	G+3
7.	Cost of Project	74.69 Cr.
8.	Expected Population	6256 Persons (including staff & visitors)
9.	Proposed Ground Coverage Area	8600.13 Sq. m.
10.	Proposed FAR	33719.96 Sq. m.
11.	Total Water Requirement	570KLD
12.	Fresh water requirement	390KLD
13.	Waste water Generation	486KLD
14.	STP Capacity	660KLD
15.	No of RWH of Pits Proposed	3 Pits.
16.	Total Proposed Parking	137 ECS
17.	Proposed Green Area	2387.00 Sq.m
18.	Municipal Solid Waste Generation	1225Kg/Day
19.	Total Power Requirement	1405 KVA
20.	DG set backup	82.50 KVA

**Salient features details:**

S.No	Parameters	Description
<b>GENERAL</b>		
1.	Plot Area	23665.00 Sq. m
2.	Proposed Built Up Area	33719.96 Sq. m
3.	Number of Building Tower	19
4.	Total no of rooms	1088
5.	Max Height of Building (Upto Terrace)	12.2m
6.	Max No of Floors	G+3
7.	Cost of Project	74.69 Cr.
8.	Expected Population	6256 Persons (including staff & visitors)
9.	Permissible Ground Coverage	11591.85 Sq. m
10.	Proposed Ground Coverage	8600.13 Sq. m.
11.	Permissible FAR	46367.40 Sq. m
12.	Proposed FAR Area	33719.96 Sq. m
13.	Proposed NoN- FAR Area	
14.	Proposed Built Up Area	33719.96 Sq. m
<b>WATER</b>		
15.	Total Water Requirement	570 KLD
16.	Fresh water requirement	390 KLD
17.	Waste water Generation	486 KLD
18.	STP Capacity	660 KLD
19.	Treated Water Available for Reuse	388KLD
20.	Recycled Water	180 KLD
21.	Surplus Treated water	208 KLD
<b>RAIN WATER HARVESTING</b>		
22.	Rain Water Harvesting Potential	63.57 m <sup>3</sup> /hr.
23.	No of RWH of Pits Proposed	3 Pits. (Capacity -21.19 m <sup>3</sup> each)
<b>PARKING</b>		



24.	Total Parking Required as per building Bye Laws	
25.	Total Proposed Parking	137E.C.S.
26.	Proposed Open Parking on Ground	--
27.	Proposed Parking in Setback Area	--
28.	Proposed Basements Parking	--
<b>GREEN AREAS</b>		
29.	Required Green Area	
30.	Proposed Green Area	2387.00 Sq. m
<b>WASTE GENERATION</b>		
31.	Municipal Solid Waste Generation	1225 Kg/Day
32.	Bio Degradable waste	735Kg/day
33.	Quantity of Sludge Generated from STP	
<b>POWER</b>		
34.	Total Power Requirement	1405KVA
35.	DG set backup	82.50 KVA

**Land use details:**

S.No	Parameters	Description
1.	Ground Coverage	8600.13 Sq. m
2.	Green Area	2387.00 Sq. m
3.	Parking Area	3154.54 Sq. m
4.	Other Area	9523.33 Sq. m
5.	Total Plot Area	23665.00 Sq. m

The Committee after examining the original proposal and after going through the presentation done by the consultant wherein he informed that they have made violation by doing construction work-

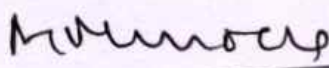

- The Project proponent has submitted approval of Residential buildings from Awas Vikas Parishad of Uttarakhand vide letter no- 735/L.N- 004/11 (PMAY) (2019-20) dated- 15.09.2022. In case of any further change in the proposed layout plan of Project the Project Proponent shall inform the SEIAA and shall seek modified Environmental Clearance.
- Project Proponent shall install dual-plumbing system for proper utilization of STP treated water.
- Project Proponent shall submit use of muck originated from excavation.
- Project Proponent shall install STP of latest technology.
- Project proponent shall plant trees along with tree guards on both the sides of approach road.
- The Project proponent shall submit solid waste disposal plan and agreement with the nearest disposal site & shall provide a dedicated vehicle for the transportation of solid waste from site to disposal facility.
- The Project proponent shall earmark specific area for garbage collection.
- The Project proponent shall submit certificate pertaining to empanelment of structural engineer by competent authority.
- The Project proponent shall submit permission from competent authority for supply of water after construction of the project.
- The Project proponent shall develop green belt within the premises and on the approach road to comply with the 33% green area norms.
- The Project proponent shall submit an affidavit pertaining to the proper disposal of solid waste through municipal body/ NGO. In case the project proponent is unable to dispose of the solid waste through municipal body/ NGO then in this case the project proponent shall develop composting unit on its own expenditure and desired budgetary provision shall be made for it.
- 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.
- Construction site shall be adequately barricaded before the construction begins dust smoke and other air pollution measures shall be provided for the building as well as the site, these measures shall include screens for the building under construction continuous dust/wind breaking walls around the site (at least 3 meters high).
- 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

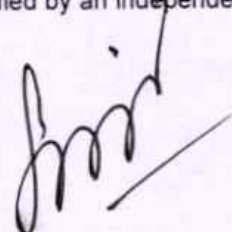


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- The structural design and other aspects of the building shall comply with guidelines of National Building Code. This shall be ensured by concerned Department of State Government/Accredited Agencies
- The building plan and structural design shall comply with requirements of Seismic Zone – IV as outlined in National Building Code.
- Notification GSR 94(E) dated 25-10-2018 of MOEF&CC regarding mandatory implementation of Dust Mitigation Measures for construction and Demolition activity for projects requiring Environmental Clearance shall be complied with.
- The disposal of muck should adhere to standards of general safety and health concerns of local people and also it should have no adverse effect on the neighbouring community.
- DG Set shall be used only as backup power. The capacity of the proposed DG set shall not exceed 1 DG set of 82.5 KVA and it should have stack height complying with CPCB norms.
- Fixtures of showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices/sensor based control. Dual plumbing system shall be installed separately for fresh water and waste water.
- The use of glass may be reduced by upto 40 percent to reduce the electricity consumption and load on air conditioning. If necessary then use of high quality double glass may be encouraged with special reflective coating in windows.
- The use of LED and such other power saving devices shall be maximized. Common areas and landscape areas shall be illuminated with solar lighting system. At least 40 percent of the total power requirement after completion of construction unit shall be met from solar energy.
- Rainwater harvesting for roof top and surface run off should be ensured as per the plan submitted. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles. The bore well for rain water recharging should be kept at 5 meters above the highest ground water table.
- The construction debris may be used for land fill or disposed through authorized vendors. The Hazardous substances generated during construction activity shall be disposed off as required by Hazardous Waste (Management, Handling) Rules, 1989 (as amended from time to time). Efforts shall be maximized for use of low toxicity substitutes and low VOC materials.
- The vehicles used at the construction 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.
- 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 has to be provided on site for the workforce. Provision should 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 fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.
- The entire site after construction activities should carry signages of garbage collection points, environment awareness etc.
- The proponent shall ensure safety measures against river meandering. It shall also undertake river meandering study in the locality and then construct suitable protective structures for river training
- Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- All workers working at the construction site and involved in loading, unloading carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- A first aid room shall be provided in the project both during construction and operations of the project.
- The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent the record shall be submitted to the Regional office, MoEF&CC, 25 Subhash Road, Dehradun and SEIAA Uttarakhand along with six monthly monitoring reports.
- On site treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert a report in this regard shall.

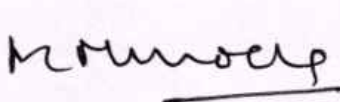
 

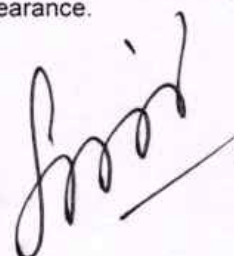


- A STP of capacity 660 KLD shall be installed for treating waste water upto tertiary level. Sewage Treatment Plant shall be complying with parameters of CPCB/UKPCB guidelines. Treated water should be used for flushing, green belt development, road washing, and other miscellaneous purposes.
- The excess treated waste water may be transported through tankers to adjoining construction sites or industrial areas as the demand arises.
- The installation of sewage treatment plant should be certified by an independent expert and a report in this regard should be submitted to the UKPCB. Necessary measures should be made to mitigate the odour problem from STP.
- Guidelines of Municipal Solid Waste (Management & Handling) Rules, 2000 (as amended from time to time) should be followed for disposal of solid waste. Two bin collection system for bio degradable and non-bio degradable waste should be adopted. Bio degradable waste shall be sent to composting pit and non biodegradable/inert waste disposed off through authorized recyclers. STP sludge shall be dried and used as organic manure.
- Adequate parking space shall be develop for staff and guests.
- Proper restroom and toilets shall be provided for service workers, drivers & accompanying staff, if any
- All directions of Fire Department shall be complied.
- Provisions shall be made for the integration of Solar Power System.
- The project proponent shall submit halfyearly compliance report of stipulated conditions of Environment Clearance in soft copy through PARIVESH PORTAL given link: <https://parivesh.nic.in>. Yearly monitoring of ground water table and quality should be carried out and should be submitted to SEIAA and UKPCB, Uttarakhand.
- No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)
- The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous and other Wastes (Management and Tranboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.
- Project Proponent will operate on the principle of zero liquid discharge.
- Project Proponent will submit water balance chart especially in relation to maintaining zero liquid discharge.
- 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.
- Under CER, Project Proponent apart from other activities, will also install Solar lights and distribute forest fire fighting equipments to the local groups (Mahilamangal dal/ Yuvakmangal dal/ Vanpanchayat) in the adjoining villages close to forest areas in consultation with local Forest Officials. The project proponent will also strengthen the nearest government primary school in terms of infrastructure and other desired facilities.
- 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.
- The proponent submitted details of the cost incurred on the project so far to be Rs 1,45,00,000.00 (One Crore Forty-five Lakh only) certified by C.A.
- Since the project proponent has suo-moto reported the violation hence, the penalty applicable is 0.5% of the project cost incurred till date, thus the total amount of the penalty is calculated to be Rs 75,000.00 (Seventy-Five Thousand Only). This non-refundable amount has been deposited by the project proponent vide DD No- 824528 dated- 27.12.2023 of Punjab & Sindh Bank in the account of Uttarakhand Pollution Control Board.
- The Project Proponent shall submit a bank guarantee to UKPCB pertaining to remediation plan/ natural/community resource augmentation plan of the amount Rs. 3,75,000.00 (Rupees Three Lakh Seventy-Five Thousand only). This bank guarantee will be refundable to the Project Proponent after submitting evidences pertaining to implementation of the remediation plan/natural/community resource augmentation.

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













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

**Proposal – 1**

Online proposal No.	SIA/UK/MIN/448606/2023
Site Details	Proposed Extraction of Soapstone at Village- Pangchora, Tehsil-Kanda, District- Bageshwar.
Name & Address of Proponent	Shri Puran Singh Majila S/o Shri Nandan Singh Majila R/o- Village-Pangchora, Tehsil-Kanda & District-Bageshwar&Shri Himanshu Sangta S/o Shri Jagdish Chandra Sangta R/o- Village- Naskholi, Tehsil-Lohaghat, District-Champawat
Coordinates	<b>Pillar Wise– 1 to 10</b> Latitude- 29°49'9.49"N to 29°49'0.10"N Longitude- 79°52'53.80"E to 79°52'56.30"E
Mining Lease Area	11.223 Ha
Category	B1& 1(a) enlisted in project /activity as per EIA Notification, 2006.

The project was submitted vide proposal no SIA/UK/MIN/448606/2023 on dated 12<sup>th</sup> October, 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 committee observed that the ToR was recommended by the SEAC in its 4<sup>th</sup> meeting dated- 6.03.2023, the ToR letter was issued vide letter No.-241/SEIAA dated-09.03.2023 and the public hearing was conducted on dated-30.06.2023. The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc. **Project was prepared by Accredited consultancy firm Cognizance Research India Pvt. Ltd. and project was presented by Shri Ankur Sharma, Managing Director & EIA Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description																																	
1.	Name of the Project Proponent	M/s Shri Puran Singh Majila																																	
2.	Registered Address	R/o - Village- Pangchora, Tehsil –Kanda, District-Bageshwar																																	
3.	Full correspondence address of proponent and mobile no.	R/o - Village- Pangchora, Tehsil –Kanda, District-Bageshwar																																	
4.	Name of Project	Pangchora Soapstone Mining Project																																	
5.	Project Location (Plot Khasra/Gata No.)	-																																	
6.	Name of Village	Pangchora																																	
7.	Tehsil	Kanda																																	
8.	District	Bageshwar																																	
9.	State	Uttarakhand																																	
10.	Name of Minor Mineral	Soapstone																																	
11.	Sanctioned Lease Area (in Ha.)	11.223 ha																																	
12.	Max. & Min mRL within lease area	Max- 1621.60mRL & 1539.20 mRL																																	
13.	Pillar Coordinates (Verified by DMO)	<table> <tr> <th>Pillar No</th><th>Longitude</th><th>Latitude</th></tr> <tr> <td>1.</td><td>29°49'9.49"N</td><td>79°52'53.80"E</td></tr> <tr> <td>2.</td><td>29°49'17.40"N</td><td>79°52'57.40"E</td></tr> <tr> <td>3.</td><td>29°49'20.03"N</td><td>79°52'55.68"E</td></tr> <tr> <td>4.</td><td>29°49'21.10"N</td><td>79°53'2.10"E</td></tr> <tr> <td>5.</td><td>29°49'12.99"N</td><td>79°53'2.96"E</td></tr> <tr> <td>6.</td><td>29°49'10.30"N</td><td>79°52'59.40"E</td></tr> <tr> <td>7.</td><td>29°49'7.50"N</td><td>79°53'2.36"E</td></tr> <tr> <td>8.</td><td>29°49'1.82"N</td><td>79°53'0.35"E</td></tr> <tr> <td>9.</td><td>29°48'57.19"N</td><td>79°53'2.39"E</td></tr> <tr> <td>10.</td><td>29°49'0.10"N</td><td>79°52'56.30"E</td></tr> </table>	Pillar No	Longitude	Latitude	1.	29°49'9.49"N	79°52'53.80"E	2.	29°49'17.40"N	79°52'57.40"E	3.	29°49'20.03"N	79°52'55.68"E	4.	29°49'21.10"N	79°53'2.10"E	5.	29°49'12.99"N	79°53'2.96"E	6.	29°49'10.30"N	79°52'59.40"E	7.	29°49'7.50"N	79°53'2.36"E	8.	29°49'1.82"N	79°53'0.35"E	9.	29°48'57.19"N	79°53'2.39"E	10.	29°49'0.10"N	79°52'56.30"E
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14.	Letter of Intent from State Government	1373/VII-A-1/2021-01 (28)/2021 dated – 23th August 2021																																	
15.	Mine Plan approval details	4152/Mu. Kha/Khanan/127/																																	



		soapstone/Bagh0/Bhu.Khani/(2017-18)2021, Dated 05.01.2022	
16.	Validity of Mine Plan	5 years	
17.	Total geological reserves	1152663 Tonnes	
18.	Total Proposed Production (In 5 Years)	First year	22800 T
		Second Year	23259 T
		Third year	24428 T
		Fourth Year	26549 T
		Fifth Year	27154 T
19.	Sanctioned Period of Mine lease	50 Years	
20.	Method of Mining	Open Cast Semi Mechanized Method	
21.	No. of working days	240	
22.	Working hours/day	8 Hrs	
23.	No. of workers	60	
24.	Type of Land	Agricultural land,	
25.	Ultimate Depth of Mining	12	
26.	Water Requirement	11.9 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	NA	
30.	Proposed CER cost	5.00 Lakhs	
31.	Proposed EMP cost	4.60 Lakh	
32.	No. of Trees to be Planted.	5700 Plants	
33.	Detail of CTE/CTO issued by UPPCB	Will be applied after Grant of EC	

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 10000 plants in 10.0 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 project proponent shall submit revised authentic list of flora & fauna along with six monthly compliance report.**
- **The Project Proponent shall ensure that the issues/concerns raised during public consultation are addressed amicably.**
- 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 certificate issued by CCF, I.T Cell of Forest Department, Uttarakhand vide his letter no 3201-2D/3/2023-I.T.Forest Dept. dated-10.10.2023 stating that the proposed area for mining does not lie within 10 KM of any National Park/Sanctuary.
- The Project Proponent has submitted approved conservation plan certified by DFO, Bageshwar vide his letter no 2085/9-2 dated-04.12.2021.
- 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.

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- 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-2**), 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) 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.
- 6) 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.
- 7) 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
- 8) 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
- 9) No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards.
- 10) 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.
- 11) 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.
- 12) 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.
- 13) 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.
- 14) 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.
- 15) 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.
- 16) 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.
- 17) 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.
- 18) 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

*Responsible*

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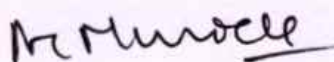
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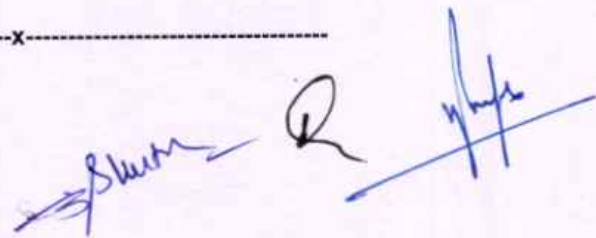
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- 19) Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- 20) 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.
- 21) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- 22) The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.
- 23) 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.
- 24) 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.
- 25) 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.
- 26) Solar panel/energy should be encouraged/installed in the premises.
- 27) The project proponent shall undertake in eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- 28) 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.
- 29) 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.

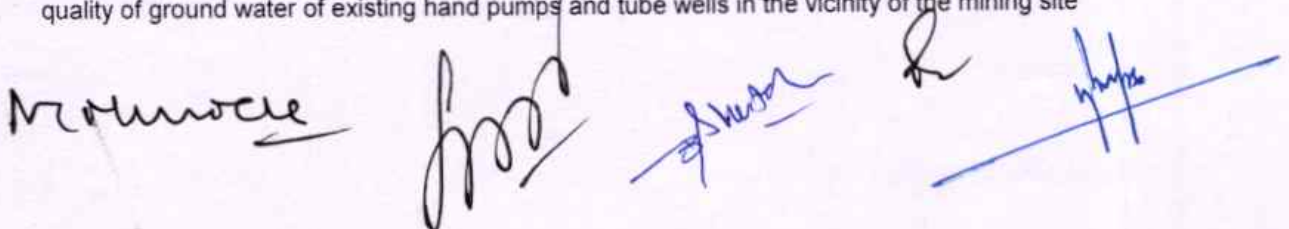
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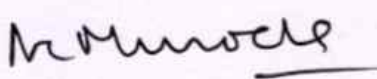
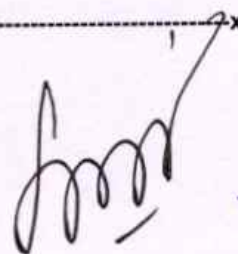


1. The legal status of the mining lease area shall remain unchanged and the Environment Clearance shall remain coterminus with lease period. The mined lease area shall not be used for any purpose other than that specified in the proposal
2. The mining/extraction of soapstone shall not be done without 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 1<sup>st</sup> October of every year to 15<sup>th</sup> 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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- 1.1. 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
- 1.2. No further expansion or modifications in the plan shall be carried out without the prior approval of competent authority.
- 1.3. The Site Lay out plan and Building plan should have been approved by the concerned Department/Agency of the State Government before work start up at the construction site. The structural design and other aspects of the building shall comply with guidelines of National Building Code. This shall be ensured by concerned Department of State Government/Accredited Agencies
- 1.4. The building plan and structural design shall comply with requirements of Seismic Zone – IV as outlined in National Building Code
- 1.5. The topsoil excavated during construction work 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
- 1.6. The onsite levelling and dressing should ensure minimal vegetation clearing and soil erosion. If necessary organic mulching should be done to avoid soil erosion. There shall not be any felling of green trees for the purpose of this project
- 1.7. The disposal of muck should adhere to standards of general safety and health concerns of local people and also it should have no adverse effect on the neighbouring community. The muck shall not be disposed off in adjoining forest areas without meeting requirements of Forest (Conservation) Act, 1980.
- 1.8. Temporary storage units should be erected in the construction site and transportation of construction materials shall be restricted to non-peak hours. The dust pollution shall be suppressed by regular water sprinkling
- 1.9. The use of ready mixed concrete/premised concrete, curing agents and other such practices shall be adopted to minimize use of water on site
- 1.10. 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 such materials leach into ground water.
- 1.11. The water requirement during construction phase shall be met from regular water supply/private tankers. There shall be no extraction of ground water and water requirement for the project in operational phase shall be met entirely from private tankers. Construction work requiring water shall not be carried out during 30<sup>th</sup> April to 15<sup>th</sup> June in the year
- 1.12. The soil and groundwater samples shall be tested from accredited agencies and it shall be ensured that they comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.
- 1.13. Fixtures of showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices/sensor based control. Dual plumbing system shall be installed separately for fresh water and waste water.
- 1.14. The use of glass may be reduced by upto 40 percent to reduce the electricity consumption and load on air conditioning. If necessary then use of high quality double glass may be encouraged with special reflective coating in windows.
- 1.15. The use of LED and such other power saving devices shall be maximized. Common areas and landscape areas shall be illuminated with solar lighting system. At least 10 percent of the total power requirement after completion of construction unit shall be met from solar energy.
- 1.16. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, 2006 which is proposed to be mandatory for all air-conditioned spaces while non air-conditioned spaces should have appropriate thermal insulation materials. The U values of the roof, external wall and fenestration shall also meet specifications of ECBC, 2006.
- 1.17. Rainwater harvesting for roof top and surface run off should be ensured as per the plan submitted. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles. The bore well for rain water recharging should be kept at 5 metres above the highest ground water table
- 1.18. The storm water management shall be so designed as to avoid discharge of water directly to the forest areas/adjoining locality which may lead to water logging in nearby areas. The storm water shall be put to use for recharging of aquifers and also pond creation within the campus
- 1.19. 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

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tree stand of aesthetic/fruit/timber value. Quality planting material has to be used during plantation as per standards of State Forest Department.

1.20. The construction debris may be used for land fill or disposed through authorized vendors. The Hazardous substances generated during construction activity shall be disposed off as required by Hazardous Waste (Management, Handling) Rules, 1989 (as amended from time to time). Efforts shall be maximized for use of low toxicity substitutes and low VOC materials.

1.21. The construction work shall be restricted to Sunrise to Sunset period in a day. Any construction activity beyond this period shall be subject to approval of Competent/Designated Authority from time to time.

1.22. The vehicles used at the construction 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.

1.23. 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.

1.24. Adequate drinking water and sanitation facility has to be provided on site for the workforce. Provision should be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.

1.25. The use of plastics during construction activity shall be bare minimum and efforts to use timber substitute materials should be maximized.

1.26. The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.

1.27. The entire site after construction activities should carry signages of garbage collection points, environment awareness etc.

1.28. A STP shall be installed for treating waste water upto permissible standards and complying with parameters of CPCB/UEPPCB guidelines & no treated waste water is allowed to take outside the premises for any uses.

1.29. Guidelines of Municipal Solid Waste (Management & Handling) Rules, 2000 (as amended from time to time) should be followed for disposal of solid waste. Two bin collection system for bio degradable and non bio degradable waste should be adopted. Bio degradable waste shall be sent to composting pit and non biodegradable/inert waste disposed off through authorized recyclers. STP sludge shall be dried and used as organic manure.

1.30. Energy consumption measures like installation of LED/TFLS for the external lighting area should be ensured. The disposal of used LED/TFLS should be properly collected and disposed off as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

1.31. The use of solar energy and inverter shall be ensured and maximized as backup power.

1.32. Solar panel/energy should be encouraged/installed in the premises.

1.33. The project proponent shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines from time to time in force, as applicable to the project.

1.34. 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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