

4State Level Expert Appraisal Committee, Uttarakhand
"GauradeviParyavaranBhawan, 3rdFloor,
46-B, I.T. Park, Sahastradhara Road, Dehradun"

Letter No: 35/SEAC
Dated: 14 September, 2023

The 13th meeting of the Uttarakhand State Level Expert Appraisal Committee (SEAC) was held on 14th September, 2023 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. AshutoshGautam | 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) etc. The concerned recognized environment consultants of the proponents made the presentations.

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

Proposal – 1

Online proposal No.	SIA/UK/IND1/441963/2023
Name of the Project	Proposed Expansion for Manufacturing of Aluminum Composite Panel Sheet in Existing Unit at Khasra no- 999, Central Hope Town, Selaqui, Tehsil- Vikasnagar, District - Dehradun.
Name & Address of Proponent	M/s Alexia Panel by Shri N.K. Gupta (Manager Admin)
Whether New/Expansion/Modernization Project	New
Total Plot Area	2799.24m ²
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)

The project was submitted vide proposal no SIA/UK/IND1/441963/2023 on dated 26th August, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Expansion for Manufacturing of Aluminum Composite Panel Sheet in Existing 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 Enviro Infra Solutions Pvt. Ltd. and project was presented by Shri Vinay Kumar Singh, EIA Coordinator. The details of the project are as follows:-

Shri Vinay Kumar Singh, EIA Coordinator, The

S.No	Parameters	Description				TOTAL
		Sno	Products	Existing Qty per Annum	Proposed Qty per Annum	
1.	Products and quantity	1	Aluminium Composite Panel Sheet	7500 MT	7500 MT	15000 MT
2.	Estimated Project Cost	6161Lacs + 733.32Lacs (Expansion Part)= 6894.32 Lacs				
3.	Total Plot Area	2799.24 sqm				
4.	Proposed Green Area	900sqm				
5.	Proposed Green Area	900 sqm				
6.	Fresh Water Consumption	9.6KLD				
7.	Fresh Water Source	Borewell				
8.	Power Demand	1300 KVA + 400 KVA (Proposed) = 1700 KVA				
9.	Power back up	725 KVA x 01 (existing) + 500 KVA x 02 (Proposed)				
10.	Wastewater Management	Use of Water		Water	Waste	Mod

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			requirement	water generation	e of Disposal
		Process	4KLD	3.4KLD	ETP
		Domestic	5.6KLD	4.75KLD	STP
11.	Steam and heating system	N.A.			
12.	Fuel Consumption	HSD300ltr/hr for DG Set			

Land use details:

S.No	Parameters	Description
1.	Ground Coverage	1349.24sqm
2.	Road and Paved area	350 sqm
3.	Parking area	200 sqm
4.	Green Area	900sqm
5.	Switchyard [OTS]	Nil
6.	Future Expansion Area	N.A.
	Total Plot Area	2799.24sqm

Raw material details:

S.No	Major Raw Material	Avg. consumption (Annually)	Source	Mode of Transport
1.	Mill Finished Aluminium Coil	4000 MT	Open	By Road
2.	Paint	210 KL	Open	By Road
3.	Thinner	8 KL	Open	By Road
4.	Plastic Granules	10800 MT	Open	By Road
5.	Adhesive Film	200 MT	Open	By Road
6.	Protective Film	200 MT	Open	By 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]	125	40	5	4.75
2	Flushing water	125	L.S.	1	0.00
3	Canteen Facility	---	---	---	---
4	Housekeeping (Recycled Water)	L.S.	45	1.25	0.00
5	Gardening (Recycled Water)	900sqm	6.25ltr/sqm	1.15	---

Industrial Water Demand and Effluent Generation:

S.No.	Uses	Water requirement [KLD]	Effluent Generation [KLD]
1	Process - Boiler Chiller	-----	-----
2	Cooling Tower make up	-----	-----
3	Laboratory	-----	-----
4	APC devices [Fume scrubber]	-----	-----
5	Rejects from Water Treatment	4	3.4
	Total	4KLD	3.4KLD

Solid waste details:



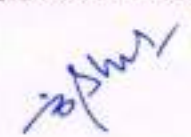


S.No.	Waste Detail	Quantity Generation	Utilization/Disposal
1	Used Oil [Category 5.1]	1.2 MTA	Authorized TSDF
2	ETP sludge [Category 35.3]	0.5 MTA	Authorized TSDF
3	Empty Barrel & Container [Category 33.1]	0.8MTA	Authorized TSDF

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

- SEAC suggested to Project Proponent the capacity of DG set shall not exceed more than 500 KVA.

(Signatures)

- Project Proponent shall dispose paint sludge under hazardous waste category as per applicable Rules.
- Project proponent shall plant trees along with tree guards on both the sides of approach road and additionally 2000 plant on gram panchayat/forest land.
- Project Proponent shall install ETP & VOC scrubbing system.
- Project Proponent shall not manufacture aluminum foil, rather the project proponent will modify the aluminum foil as per requirement.
- 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 dispose AHU filter dust and filters to TSDF.
- The project proponent shall construct rainwater harvesting pits in such a manner to prevent the ingress of contaminated water from ETP & STP into rainwater harvesting pit.
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site.
- In case of further expansion or modification in the plan project proponent shall apply for modification/fresh E.C.
- The Project Authority shall strictly comply with provisions of Doon Valley Notification, 1989 & 2020
- During any type of construction in the existing land area, the topsoil excavated shall be used for backfilling/ landscape development/ green belt development. The same shall not be disposed off outside the boundaries of project site without approval of Competent Authority.
- The groundwater samples shall be tested from accredited labs and it shall be ensured that test results comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.
- All stacking and loading areas should be provided with proper garland drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials must not be allowed to contaminate watercourse and dumpsites as these may leach into ground water
- No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards.
- All the hazardous residue and wastes arising from units shall be either sent to TSDF for land filling or for incineration. Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc.
- The gaseous emissions (SO_x , NO_x , CO, VOC and HC) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- The DG set shall use Low Sulphur Diesel type fuel and should have stack height complying with CPCB norms. DG set should be operated only during power failure in emergency situation.
- The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system. Dust Suppression during construction activity shall be ensured. Acoustic enclosures shall be provided with all machineries and DG sets on site complying with Noise Levels as per CPCB standards.
- All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- Project Proponent shall install solar lights on the periphery of its premises.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- The Project proponent will install advanced dust suppression system at the project site.

- The Project Proponent shall develop multi layered green belt around the periphery of the plant. The green belt thus developed should be on more than 10 percent of the project area. The project proponent will develop additional green belt in the surrounding areas to complete the requirement of 33% green belt of the project area. The project proponent shall plant fast growing species such as bamboo in the premises.
- The Project proponent shall plant fast growing species on both the sides of road connecting from the project premises to main road.
- The project proponent shall submit the NoC from CGWB for utilization of ground water.
- The project proponent shall undertake rain water harvesting activities in the surrounding villages preferably in the schools, primary health centers in consultation with local authorities.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

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

Proposal - 2

Online proposal No.	SIA/UK/IND3/443550/2023
Name of the Project	Proposed expansion for manufacturing of Pharmaceutical Products & installation of D.G. Set in existing unit at Plot No- 11, Pharma City, Selaqui, Tehsil- Vikasnagar, District - Dehradun.
Name & Address of Proponent	M/s Mancare Laboratories Pvt. Ltd by Shri Mihir Kumar Jha (Director)
Whether New/Expansion/Modernization Project	Expansion
Total Plot Area	2230.00 m ²
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)

The project was submitted vide proposal no SIA/UK/IND3/443550/2023 on dated 9th September, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed expansion for manufacturing of Pharmaceutical Products & installation of D.G. Set in existing 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 Enviro Infra Solutions Pvt. Ltd. and project was presented by Shri Vinay Kumar Singh, EIA Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description				
1.	Products and quantity	Sno	Products	Existing Qty per Annum	Proposed Qty per Annum	TOTAL
		1	Capsules	10MT	10MT	20MT
		2	Dry Syrup	-----	15MT	15MT
		3	Syrup	18KL	407 KL	425 KL
		4	Tablets	10MT	25MT	35MT
		5	Ointment	0.9MT	-----	0.9MT
		6	Softgel Capsules	-----	65MT	65MT
2.	Estimated Project Cost	10.46Crore+ 02 Crore(Expansion Part) = 12.46Crore				
3.	Total Plot Area	2230sqm				
4.	Proposed Green Area	150 sqm				
5.	Proposed Green Area	150 sqm				
6.	Fresh Water Consumption	25KLD				

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7.	Fresh Water Source	Borewell and SIDCUL water supply			
8.	Power Demand	166 KVA + 334 KVA (Proposed) = 500 KVA			
9.	Power back up	65 KVA x 02 (existing) + 300 KVA x 1 (Proposed)			
10.	Wastewater Management	Use of Water	Water requirement	Waste water generation	Mode of Disposal
		Process	16KLD	8KLD	ETP
		Domestic	09KLD	7.65KLD	STP
11.	Steam and heating system	N.A.			
12.	Fuel Consumption	HSD50ltr/hr for DG Set			

Land use details:

S.No	Parameters	Description
1.	Ground Coverage	1120 sqm
2.	Road and Paved area	450 sqm
3.	Parking area	510 sqm
4.	Green Area	150sqm
5.	Switchyard [OTS]	Nil
6.	Future Expansion Area	N.A.
	Total Plot Area	2230sqm

Raw material details:

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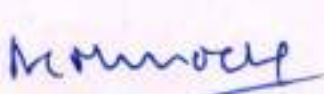



S.No	Major Raw Material	Avg. consumption	Source	Mode of Transport
1.	Cefixime Trihydrate (Compacted)	5000 kg	Open	By Road
2.	Microcrystalline Cellulose (101)	1000 kg	Open	By Road
3.	Microcrystalline Cellulose (102)	2000 kg	Open	By Road
4.	Aceclofenac	5000 kg	Open	By Road
5.	Paracetamol	15000 kg	Open	By Road
6.	Colloidal Silicon Dioxide	1000 kg	Open	By Road
7.	Di Basic Calcium Phosphate (Anhydrous)	3000 kg	Open	By Road
8.	Starch	15000 kg	Open	By Road
9.	Fexofenadine HCL	3000 kg	Open	By Road
10.	Deflazacort	10 kg	Open	By Road
11.	Crospovidone XI 10	500 kg	Open	By Road

CAPSULES

S.No	Major Raw Material	Avg. consumption	Source	Mode of Transport
1.	Rab20+Dom 30 Pellets	3000 kg	Open	By Road
2.	Pan 40+ Dom 30 Pellets	2000 kg	Open	By Road
3.	Pro-Prebiotic & Immunobiotic Blend Granules	100 kg	Open	By Road
4.	Ome 20+ Dom 10 Pellets	3000 kg	Open	By Road
5.	Rab 20+ Levo 75 Pellets	500 kg	Open	By Road
6.	Pan 40+ Levo 75 Pellets	275 kg	Open	By Road

SYRUP

S.No	Major Raw Material	Avg. consumption	Source	Mode of Transport
1.	Guaiphenisin	500 kg	Open	By Road
2.	Sorbitol Solution 70%	35000 kg	Open	By Road
3.	Ambroxol HCL	300 kg	Open	By Road
4.	Phenyl Ephrine HCL	50 kg	Open	By Road
5.	DI Sodium Hydrogen Citrate	12000 kg	Open	By Road
6.	Ammonium Chloride	500 kg	Open	By Road
7.	Zinc Gluconate	25 kg	Open	By Road
8.	Ferric Ammonium Citrate Eq. to Elemental Iron	500 kg	Open	By Road
9.	Lactulose Solution	40000 kg	Open	By Road
10.	Tricholine Citrate (65%)	500 kg	Open	By Road

OINTMENT

S.No	Major Raw Material	Avg. consumption	Source	Mode of Transport
1.	CresmerEW (Emulsifying Wax)	500 kg	Open	By Road
2.	Hydroquinone	200 kg	Open	By Road
3.	Poly Sorbate-20	200 kg	Open	By Road
4.	Lafonics CM-1000 /Cetodet-500	150 kg	Open	By Road
5.	Miconazole Nitrate	100 kg	Open	By Road
6.	Hard Paraffin Wex (Wex Oil Mfg)	500 kg	Open	By Road
7.	ISO Propyl Myristate	300 kg	Open	By Road

DRY SYRUP

S.No	Major Raw Material	Avg. consumption	Source	Mode of Transport
1.	Dried Sucrose (Pharma Grade)	500 kg	Open	By Road
2.	Amoxicillin Trihydrate	500 kg	Open	By Road
3.	CefpodoximeProxetil	200 kg	Open	By Road
4.	Cefuroxime Axetil Granules (Resinated)	200 kg	Open	By Road
5.	Dry Flavour Bitter Masking	500 kg	Open	By 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	40	8	7.65
2	Flushing water	200	L.S.	1	---
3	Canteen Facility	---	---	---	---
4	Housekeeping (Recycled Water)	L.S.	40	1	0.00
5	Gardening (Recycled Water)	150sqm	6.25ltr/sqm	1	---

Industrial Water Demand and Effluent Generation:

S.No.	Uses	Water requirement [KLD]	Effluent Generation [KLD]
1	Process - Boiler Chiller	-----	-----
2	Cooling Tower make up	0.3	-----
3	Laboratory	0.3	0.2
4	APC devices [Fume scrubber]	-----	-----
5	Rejects from Water Treatment	15.4	7.8
	Total	16KLD	8KLD

Solid waste details:

S.No.	Waste Detail	Quantity Generation	Utilization/Disposal
1	Used Oil [Category 5.1]	2.0 MTA	Authorized TSDF
2	ETP sludge [Category 35.3]	1.5 MTA	Authorized TSDF
3	Off Specification Product[Category 28.4]	3.0MTA	Authorized TSDF
4	Date Expired Products[Category 28.5]	2.0 MTA	Authorized TSDF

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

- Project Proponent shall not produce Beta lactum, Ceflosporin, Anti-Cancer drugs, Narcotics.
- Project Proponent shall install solar panels on the roof top.
- Project Proponent shall develop additional green belt in the Gram panchayat/forest land.
- Project Proponent shall dispose off discarded medicines/raw materials to authorized TSDF/CBWTF as per applicable rules.
- Project Proponent shall install ETP & VOC scrubbing system.
- Project Proponent shall install Wet Scrubber, re-cycling pit as air pollution control device in his premises.
- Project Proponent shall comply with the EPR authorization, if applicable.
- Project Proponent shall ensure compliance of CER activity through any Govt. Organization.
- Project Proponent shall dispose AHU filter dust and filters to TSDF.

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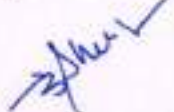


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- The project proponent shall construct rainwater harvesting pits in such a manner to prevent the ingress of contaminated water from ETP & STP into rainwater harvesting pit.
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site.
- In case of further expansion or modification in the plan project proponent shall apply for modification/fresh E.C.
- The Project Authority shall strictly comply with provisions of Doon Valley Notification, 1989 & 2020
- During any type of construction in the existing land area, the topsoil excavated shall be used for backfilling/ landscape development/ green belt development. The same shall not be disposed off outside the boundaries of project site without approval of Competent Authority.
- The groundwater samples shall be tested from accredited labs and it shall be ensured that test results comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.
- All stacking and loading areas should be provided with proper garland drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials must not be allowed to contaminate watercourse and dumpsites as these may leach into ground water
- No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards.
- All the hazardous residue and wastes arising from units shall be either sent to TSDF for land filling or for incineration. Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc.
- The gaseous emissions (SO_x , NO_x , CO, VOC and HC) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- The DG set shall use Low Sulphur Diesel type fuel and should have stack height complying with CPCB norms. DG set should be operated only during power failure in emergency situation.
- The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system. Dust Suppression during construction activity shall be ensured. Acoustic enclosures shall be provided with all machineries and DG sets on site complying with Noise Levels as per CPCB standards.
- All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- Project Proponent shall install solar lights on the periphery of its premises.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- The Project proponent will install advanced dust suppression system at the project site.
- The Project Proponent shall develop multi layered green belt around the periphery of the plant. The green belt thus developed should be on more than 10 percent of the project area. The project proponent will develop additional green belt in the surrounding areas to complete the requirement of 33% green belt of the project area. The project proponent shall plant fast growing species such as bamboo in the premises.
- The Project proponent shall plant fast growing species on both the sides of road connecting from the project premises to main road.
- The project proponent shall submit the NoC from CGWB for utilization of ground water.
- The project proponent shall undertake rain water harvesting activities in the surrounding villages preferably in the schools, primary health centers in consultation with local authorities.

- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

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

Proposal - 3

Online proposal No.	SIA/UK/INFRA2/440236/2023
Name of the Project	Proposed Expansion for Construction of Guest Rooms in Existing Hotel at Chakrata Road, Industrial Area, Central Hope Town, Selaqui, Tehsil- Vikasnagar, District - Dehradun.
Name & Address of Proponent	M/s Competent Palace by Shri Saksham Juyal (Managing Director)
Whether New/Expansion Project	New
Total Plot Area	7904.00 m ²
Total Build up Area	7626.82m ²
Project Category	8(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/440236/2023 on dated 14th August, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Expansion for Construction of Guest Rooms in Existing Hotel. The proponent has submitted detailed project related information in Form 1, Form 1-A, Conceptual Plan. Project was prepared by Accredited consultancy firm M/s Natureanalytica Envirocare Solution Pvt. Ltd. and project was presented by Dr. O.P. Shukla, EIA Coordinator. The details of the project are as follows:-

S.No	Parameters	Description
1.	Plot Area	7904 Sq. m
2.	Total Built Up Area	7626.82 Sq. m
3.	Total no of Saleable DU's	NA
4.	Production Capacity	Guest Rooms - 87 Nos. Kitchen - 01 Nos. Restaurant - 01 No. Spa Rooms - 02 Nos. Bar - 01 No. Banquet Hall - 02 Nos. Conference Hall - 02 Nos. Laundry - 01 No. Swimming pool - 01 No.
5.	Max Height of Building (Upto Terrace)	20 meter
6.	Max No of Floors	(G+4 floors)
7.	Cost of Project	3000 Lakhs
8.	Expected Population	319 (approx)
9.	Proposed Ground Coverage Area	-
10.	Proposed FAR Area	-
11.	Total Water Requirement	70.880 KLD
12.	Fresh water requirement	28.655 KLD
13.	Waste water Generation	22.924 KLD
14.	Proposed STP Capacity	40 KLD
15.	No of RWH of Pits Proposed	2
16.	Total Proposed Parking	100 ECS
17.	Proposed Green Area (20% of Plot)	1580sq m

Manoj

Shukla

Shukla

Shukla 8

	Area)	
18.	Municipal Solid Waste Generation	144 kg/day
19.	Total Power Requirement	500 KVA
20.	DG set backup	2 no's(1 x 250 KVA)

Salient features details:

S.No	Parameters	Description
GENERAL		
1.	Plot Area	7904 Sq. m
2.	Proposed Built Up Area	-
3.	Number of Building Blocks	2 BLOCKS
4.	Total no of Saleable DU's	NA
5.	Max Height of Building (Upto Terrace)	20 meter
6.	Max No of Floors	(G+4 floors)
7.	Cost of Project	3000 Lakhs
8.	Expected Population	319(approx)
9.	Permissible Ground Coverage Area (@40%)	-
10.	Proposed Ground Coverage Area	-
11.	Permissible FAR Area (@400)	-
12.	Proposed FAR Area	-
13.	Proposed NoN FAR Area	-
14.	Proposed Built Up Area	-
WATER		
15.	Total Water Requirement	70.880 KLD
16.	Fresh water requirement	28.655 KLD
17.	Waste water Generation	22.924 KLD
18.	Proposed STP Capacity	40 KLD
19.	Treated Water Available for Reuse	18.339KLD
20.	Recycled Water used	15.625 KLD
21.	Surplus Treated water	2.7KLD
RAIN WATER HARVESTING		
22.	Rain Water Harvesting Potential	-
23.	No of RWH of Pits Proposed	2
PARKING		
24.	Total Parking Required as per building Bye Laws	100 ECS
25.	Total Proposed Parking	50ECS
26.	Proposed Surface Parking	-
27.	Proposed Stilt/Podium Parking	-
28.	Proposed Basements Parking	-
GREEN AREAS		
29.	Required Green Area	1580 m ²
30.	Proposed Green Area	1580 m ²
WASTE GENERATION		
31.	Municipal Solid Waste Generation	144kg/day
32.	Bio Degradable waste	86.4 kg/day
33.	Quantity of Sludge Generated from STP	3 kg/day
POWER		
34.	Total Power Requirement	500 KW
35.	DG set backup	2 no's(1 x 250 KVA)

Land use details:

S.No	Parameters	Description
1.	Ground Coverage Area	-
2.	Green Area	1580 m ²
3.	Road/Paved Parking Area	-
4.	Other Open Area	-
5.	Total Plot Area	7904 Sq. m

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 submitted an Demand Note File No-SC/0027/23-24 dated-09.07.2023 for approval of map from MDDA. The project proponent shall get the approval

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of MDDA as per the layout submitted. In case of any change in the proposed layout plan the Project Proponent shall inform the SEIAA and shall seek amended Environmental Clearance.

- Project Proponent shall comply with green building norms.
- Project Proponent shall install dual-plumbing system for proper utilization of STP treated water.
- The committee was of the view that the structural stability of the existing building for holding another 2 floor should be examined, the project proponent has submitted in writing that the structural stability of the existing building has been checked and is capable of carrying 2 new floors. Moreover he has submitted structural safety certificate issued by registered architect Shri Arvind Kumar Sonker.
- The project proponent shall develop a modern park in the nearby Gram sabha and will ensure its maintenance for three years.
- The project proponent has submitted in writing that they have not initiated any construction activities in the present premises.
- Project Proponent shall construct underground fire water storage tank having a capacity of 1.0 Lakh Liter.
- 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
- 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 2 DG set of 250 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.
- 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 has to be used during plantation as per standards of State Forest Department.
- Acoustic enclosures shall be provided with all construction machineries and DG sets on site complying with Noise Levels of CPCB standards. The ambient air quality and noise

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levels as per CPCB norms shall be ensured through a monitoring system as approved by UKPCB.

- 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 40KLD 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, DG cooling 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.
- DG sets shall be used only in emergency purpose. The use of solar energy and inverter shall be ensured and maximized as backup power.
- 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.

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- 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 Transboundary 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.

Based on above observations and subject to conditions (**Annexure-2**), the committee recommended the above project for grant of Environmental Clearance

Proposal - 4

Online proposal No.	SIA/UK/MIN/439944/2023
Site Details	Extraction of Sand/Bajri/Boulder from Dabka River under Tarai West Forest Division, Teh- Ramnagar, Dist- Nainital.
Name & Address of Proponent	M/s Uttarakhand Forest Development Corporation (UKFDC), AranyaVikasBhawan, 73 Nehru Road, Dehradun.
Coordinates	Pillar Wise Coordinates- Eastern Bank- 1 to 58 Latitude- 29°20'16.80"N to 29°17'28.30"N Longitude- 79°08'55.10"E to 79°08'05.47"E Western Bank- 1 to 58 Latitude- 29°20'18.70"N to 29°17'27.45"N Longitude- 79°08'05.47"E to 79°08'02.81"E
Mining Lease Area	112.00 Ha.
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/439944/2023 on dated 12th August, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Sand/Bajri/Boulder (**River Bed Material**) in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was recommend by the SEAC in its meeting dated- 30.01.2023, the ToR letter was issued vide letter No.- 129/SEIAA dated-13.02.2023 and the public hearing was conducted on dated-30.05.2023. The project proponent has now submitted final EIA report with fresh data of one season the EIA report submitted by the proponent consists of following chapters- 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 Oceao Enviro Management Solutions India Pvt. Ltd. and project was presented by Shri Himanshu Goel, Director.** The details of the project are given below:-

S.No	Parameters	Description
1.	Name of the Project Proponent	Uttarakhand Forest Development Corporation
2.	Registered Address	73, Nehru Road, AranyaVikashBhawan
3.	Full correspondence address of proponent and mobile no.	Ph: 91-135-2713815, 7055072200, 73, Nehru Road, AranyaVikashBhawan.

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4.	Name of Project	Minor Mineral (Sand, Bajri and Boulder) from the River bed of Dabka River
5.	Project Location (Plot/Khasra/Gata No.)	Tarai West Forest Division, Tehsil: Ramnagar, District: Nainital, State: Uttarakhand
6.	Name of Village	--
7.	Tehsil	Ramnagar
8.	District	Nainital
9.	State	Uttarakhand
10.	Name of Minor Mineral	Minor Mineral (Sand, Bajri & Boulder)
11.	Sanctioned Lease Area (in Ha.)	112 Ha
12.	Max. & Min mRL within lease area	322-287 mRL
13.	Pillar Coordinates (Verified by DMO)	YES Refer table (1.1)
14.	Letter of Intent	Vide letter No 2171/VII-A-1/2021/2022ख/13 dated 03/01/2022
15.	Mine Plan approval details	3555/खनन/भूखनिई/माप्लान/2022-23 dated 9-12-2022.
16.	Validity of Mine Plan	5 year
17.	Total geological reserves	--
18.	Total mineable reserves	As per the approved mining plan and replenishment study.
19.	Total Proposed Production (In 5 Years)	
20.	Total Proposed Production/Year	
21.	Sanctioned Period of Mine lease	10 years
22.	Method of Mining	Manually by opencast Method
23.	No. of working days	245 days
24.	Working hours/day	8 hours
25.	No. of workers	818
26.	Type of Land	Forest Land
27.	Ultimate Depth of Mining	1.5 m (maximum)
28.	Water Requirement	30 KLD
29.	Any litigation pending against the project or land in any court	No
30.	Ecological Sensitive Map/zone	Yes
31.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Not applicable
32.	Proposed CER cost	--
33.	Proposed EMP cost	182.23 Lakhs
34.	No. of Trees to be Planted.	Already planted
35.	Detail of CTE/CTO issued by UPPCB	--

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

- The total mine lease area of the project 112 Ha which is a forest land falling under Tarai West Forest Division, Ramnagar in Nainital District.
- The project proponent has obtained Forest Clearance from MoEF&CC (Forest Conservation Division) vide letter no- 8-61/1999-FCPt.V dated 01.03.2023 as per Forest (Conservation) Act, 1980 for an area of 112 Ha.
- Out of the total allotted area of 112 Ha, the minor mineral collection shall be carried out manually from 50 % of the total area that is 56 Ha. leaving 25 % area on each side of the river bank. The area available for mining would therefore be 56 Ha along the center of the river flow.
- The mining shall be done only during day time.
- Approved DSR of District Nainital is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- The committee observed that the Project Proponent has obtained Forest Clearance for an area of 112 Ha. Where as the approved mining plan is for 223 Ha. Hence the Project Proponent is suggested to revisit the mining plan and should get the area as well as the maximum production target amended accordingly.
- Maximum permissible depth in the center of the mining area will be 1.5 meter.

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- The project Proponent shall ensure that where ever deployment of labor attracts mines act, the provision thereof shall be strictly followed.
- The project proponent has obtained NOC from Chief Wildlife Warden vide letter no- 566/12-1 dated- 16-09-2022.
- The committee also suggested that mine site should have well demarcated safety zone from nearby bridges, educational institution or structures of historical importance.
- The committee suggested that the proponent should provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- The Project Proponent shall follow Sustainable Sand Mining Management Guideline, 2016 & Enforcement and Monitoring Guideline for Sand Mining, 2020.
- The mine working will be open cast by manual method without involving drilling & blasting. The mining is confined to extraction of Sand/Bajri/Boulder(River Bed Material). The Sand and Bajri will be collected by sieving of river material using hand tools like shovel, pan, sieve etc.
- The extraction of Sand/Bajri/Boulder(River Bed Material)shall be stopped during monsoon season.
- The quantity of mineral to be extracted should be fixed sustainably based on replenishment study.
- The Project Proponent shall obtain prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) if any, required for the project.
- It shall be ensured that there is no leakage of oil and grease in the river from the vehicles use for the transportation.
- Vehicular emission shall be kept under control and regularly monitored. The vehicles carrying minerals shall not be over loaded.
- Periodical medical examination of the workers engaged in the project shall be carried out and records are to be maintained.
- Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any mining activity at the site.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
- The EC issued will be coterminus with the Forest Clearance issued by MoEF&CC, GOI.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

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

Proposal -5

Online proposal No.	SIA/UK/MIN/440090/2023
Site Details	Extraction of Sand/Bajri/Boulder from Kosi River under Tarai West

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	Forest Division, Teh- Ramnagar, Dist- Nainital.
Name & Address of Proponent	M/s Uttarakhand Forest Development Corporation (UKFDC), AranyaVikasBhawan, 73 Nehru Road, Dehradun.
Coordinates	Pillar Wise Coordinates- Eastern Bank- 1 to 64 Latitude- 29°20'21.91"N to 29°20'21.91"N Longitude- 79°07'41.02"E to 79°07'41.02"E Western Bank- 1 to 60 Latitude- 29°20'24.95"N to 29°18'02.81"N Longitude- 79°07'33.95"E to 79°06'47.08"E
Mining Lease Area	181.00 Ha.
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/440090/2023 on dated 12th August, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Sand/Bajri/Boulder(River Bed Material) in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was recommend by the SEAC in its meeting dated- 30.01.2023, the ToR letter was issued vide letter No.- 126/SEIAA dated-13.02.2023 and the public hearing was conducted on dated-29.05.2023. The project proponent has now submitted final EIA report with fresh data of one season the EIA report submitted by the proponent consists of following chapters- 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 Ocaseo Enviro Management Solutions India Pvt. Ltd. and project was presented by Shri Himanshu Goel, Director. The details of the project are given below:-

S.No	Parameters	Description
1.	Name of the Project Proponent	M/s Uttarakhand Forest Development Corporation (UKFDC)
2.	Registered Address	73, Nehru Road, AranyaVikashBhawan Dehradun
3.	Full correspondence address of proponent and mobile no.	73, Nehru Road, AranyaVikashBhawan Dehradun Ph: 91-135-2713815, 7055072200
4.	Name of Project	Minor Mineral (Sand, Bajri And Boulder) From The River Bed Of Kosi River
5.	Project Location (Plot.Khasra/Gata No.)	Tarai West Forest Division, Tehsil: Ramnagar, District: Nainital, State: Uttarakhand
6.	Name of Village	--
7.	Tehsil	Ramnagar
8.	District	Nainital
9.	State	Uttarakhand
10.	Name of Minor Mineral	Minor Mineral (Sand, Bajri And Boulder)
11.	Sanctioned Lease Area (in Ha.)	181 ha
12.	Max. & Min mRL within lease area	302 -252 MRL
13.	Pillar Coordinates (Verified by DMO)	YES (Refer table 1.1)
14.	Letter of Intent	2170/VII-A-1/2021/21ख/13 Dated 30-12-2021
15.	Mine Plan approval details	M/s Uttarakhand Forest Development Corporation (Project Proponent) by Department of Geology & Mining Govt. of Uttarakhand and vide letter no 3556 / खनन / भूखनि/ई० / मा०प्लान/ 2022-23 Dated 9-12-2022.
16.	Validity of Mine Plan	5 years
17.	Total geological reserves	--
18.	Total mineable reserves	As per the approved mining plan and replenishment study.
19.	Total Proposed Production (In 5 Years)	
20.	Total Proposed Production/Year	
21.	Sanctioned Period of Mine lease	10 years
22.	Method of Mining	Open cast manual method
23.	No. of working days	245 Days

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24.	Working hours/day	8 hours
25.	No. of workers	1337
26.	Type of Land	Forest land
27.	Ultimate Depth of Mining	1.5 m
28.	Water Requirement	35 KLD
29.	Any litigation pending against the project or land in any court	No
30.	Ecological Sensitive Map/zone	YES
31.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	NA
32.	Proposed CER cost	---
33.	Proposed EMP cost	598 lakh
34.	No. of Trees to be Planted.	Already planted
35.	Detail of CTE/CTO issued by UPPCB	---

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

- The total mine lease area of the project 181 Ha which is a forest land falling under Tarai West Forest Division, Ramnagar in Nainital District.
- The project proponent has obtained Forest Clearance from MoEF&CC (Forest Conservation Division) vide letter no- 8-61/1999-FCPLVI dated 01.03.2023 as per Forest (Conservation) Act, 1980 for an area of 181 Ha.
- Out of the total allotted area of 181 Ha, the minor mineral collection shall be carried out manually from 50 % of the total area that is 90.5 Ha. leaving 25 % area on each side of the river bank. The area available for mining would therefore be 90.5 Ha along the center of the river flow.
- The mining shall be done only during day time.
- Approved DSR of District Nainital is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- Maximum permissible depth in the center of the mining area will be 1.5 meter.
- The project Proponent shall ensure that where ever deployment of labor attracts mines act, the provision thereof shall be strictly followed.
- The project proponent has obtained NOC from Chief Wildlife Warden vide letter no- 567/12-1 dated- 16-09-2022.
- The committee also suggested that mine site should have well demarcated safety zone from nearby bridges, educational institution or structures of historical importance.
- The committee suggested that the proponent should provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- The Project Proponent shall follow Sustainable Sand Mining Management Guideline, 2016 & Enforcement and Monitoring Guideline for Sand Mining, 2020.
- The mine working will be open cast by manual method without involving drilling & blasting. The mining is confined to extraction of Sand/Bajri/Boulder (River Bed Material). The Sand and Bajri will be collected by sieving of river material using hand tools like shovel, pan, sieve etc.
- The extraction of Sand/Bajri/Boulder (River Bed Material) shall be stopped during monsoon season.
- The quantity of mineral to be extracted should be fixed sustainably based on replenishment study.
- The Project Proponent shall obtain prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) if any, required for the project.
- It shall be ensured that there is no leakage of oil and grease in the river from the vehicles use for the transportation.
- Vehicular emission shall be kept under control and regularly monitored. The vehicles carrying minerals shall not be over loaded.
- Periodical medical examination of the workers engaged in the project shall be carried out and records are to be maintained.

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

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

Proposal - 6

Online proposal No.	SIA/UK/MIN/440754/2023
Site Details	Proposed Extraction of Soapstone at Village - Khatigaon&Rangdev, Tehsil & District - Bageshwar.
Name & Address of Proponent	Shri Deewan Singh Papola S/o Shri Trilok Singh Papola, Village - Papoli, Post - Kafli, Tehsil & District-Bageshwar.
Coordinates	Latitude- 29°53'11.58"N to 29°53'39.77"N Longitude- 79°56'47.70"E to 79°56'32.05"E
Mining Lease Area	8.529 Ha.
Category	B1& 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/440754/2023 on dated 19th August, 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 meeting dated- 17.01.2023, the ToR letter was issued vide letter No.-21/SEIAA dated-27.01.2023 and the public hearing was conducted on dated-12.05.2023. The project proponent has now submitted final EIA report with fresh data of one season the EIA report submitted by the proponent consists of following chapters- description of environment, anticipated environmental impact and mitigation measures, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged, EMP etc. Project was prepared by Accredited consultancy firm Cognizance Research India Pvt. Ltd. and project was presented by Shri Vijay Sharma, EIA Coordinator. The details of the project are given below:-

S.No	Parameters	Description
1.	Name of the Project Proponent	Shri Deewan Singh Papola
2.	Registered Address	Village Papoli, Post Kafli, Tehsil & District Bageshwar, Uttarakhand
3.	Full correspondence address of proponent and mobile no.	Village Papoli, Post Kafli, Tehsil & District Bageshwar, Uttarakhand
4.	Name of Project	Proposed Soapstone Mining at Village-Khatigaon&Rangdev, Tehsil & District- Bageshwar

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		in the state of Uttarakhand by Deewan Singh Papola (Total Area = 8.529 ha)
5.	Project Location (Plot/Khasra/Gata No.)	-
6.	Name of Village	Khatigaon & Rangdev
7.	Tehsil	Bageshwar
8.	District	Bageshwar
9.	State	Uttarakhand
10.	Name of Minor Mineral	Soapstone
11.	Sanctioned Lease Area (in Ha.)	8.529 ha.
12.	Max. & Min mRL within lease area	1647 mRL – 1695 mRL
13.	Pillar Coordinates (Verified by DMO)	Latitude 29°53'11.58"N to 29°53'39.77"N and Longitude 79°56'47.70"E to 79°56'32.05"E
14.	Letter of Intent	LOI letter No. 316 (1)/VII-1/18/62-Kha/2012 dated 28.11.2016 for 20 years
15.	Mine Plan approval details	Letter No. Mu.Kha/Mining Plan-22/BageshwarBhu/Khani/E/2016-17 dated 04/03/2017
16.	Validity of Mine Plan	5 years
17.	Total geological reserves	0.169616 MT
18.	Total mineable reserves	0.579898 MT
19.	Total Proposed Production (in 5 Years)	258459 Tonnes (Pit-I and Pit-II)
20.	Total Proposed Production/Year	40682 Tonnes/Annum (maximum)
21.	Sanctioned Period of Mine lease	20 years
22.	Method of Mining	Mining shall be carried out in two pits viz. Pit-I and Pit-II. The mining will be done semi-mechanized way in open cast method in quite a systematic manner by forming 3m high benches
23.	No. of working days	240
24.	Working hours/day	8 hours
25.	No. of workers	98 nos.
26.	Type of Land	Private land
27.	Ultimate Depth of Mining	12m
28.	Water Requirement	5 KLD
29.	Any litigation pending against the project or land in any court	No
30.	Ecological Sensitive Map/zone	Provided in EIA/EMP report in Chapter 3 Page No. 3-26
31.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Not applicable
32.	Proposed CER cost	Rs. 1,00,000
33.	Proposed EMP cost	Rs. 10,94,700
34.	No. of Trees to be Planted.	8800
35.	Detail of CTE/CTO issued by UPPCB	Not Applicable. Will be obtained after 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 5000 plants will be planted in first two years followed by maintenance in the next three years. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The committee suggested that the proponent should provide Eco-friendly toilets for the workforce.
- The mining operation would provide local employment and bring economic benefit to local population.

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- 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 DFO, Bageshwar vide his dated-07.03.2017 certifying that the proposed area for mining does not lie within 10 KM of any National Park/Sanctuary.
- The Project Proponent has submitted a certificate issued by DFO, Bageshwar vide his dated-07.03.2017 certifying that the proposed area for mining does not include forest area.
- The Project Proponent has submitted approved conservation plan certified by DFO, Bageshwar.
- 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 coterminous with the Forest Clearance issued by MoEF&CC, GOI.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

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

Proposal - 7

Online proposal No.	SIA/UK/MIN/441793/2023
Site Details	Extraction of Sand/Bajri/Boulder from Gaula River at Lal Kuan under East Tarai Forest Division & Haldwani Forest Division, Village-Gaulapur, Teh- Haldwani, Dist- Nainital.
Name & Address of Proponent	M/s Uttarakhand Forest Development Corporation (UKFDC), Aranya Vikas Bhawan, 73 Nehru Road, Dehradun.
Coordinates	Latitude- 29°03'33.61"N to 29°15'45.48"N Longitude- 79°33'22.49"E to 79°32'55.05"E
Mining Lease Area	1473.00 Ha.
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/441793/2023 on dated 2nd September, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Sand/Bajri/Boulder (**River Bed Material**) 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 meeting dated- 30.01.2023, the ToR letter was issued vide letter No.-128/SEIAA dated-13.02.2023 and the public hearing was conducted on dated-

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23.05.2023. The project proponent has now submitted final EIA report with fresh data of one season the EIA report submitted by the proponent consists of following chapters- 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 Mantec Consultants Pvt. Ltd. and project was presented by Dr. B.J. Prasad EIA Coordinator. The details of the project are given below:-

S.No	Parameters	Description
	Name of the Project Proponent	M/s Uttarakhand Forest Development Corporation
2.	Registered Address	Near Aditya Banquet Hall, Gas Godam Road Haldwani, Dehradun, Uttarakhand.
3.	Full correspondence address of proponent and mobile no.	Near Aditya Banquet Hall, Gas Godam Road Haldwani, Dehradun, Uttarakhand.
4.	Name of Project	Mining of Minor Mineral (Sand, Bajri & Boulder) from the river bed of Gaula River.
5.	Project Location (Plot/Khasra/Gata No.)	Village- Golapar, Tehsil- Haldwani & Lalkuan, District- Nainital, State- Uttarakhand
6.	Name of Village	Golapar
7.	Tehsil	Haldwani & Lalkuan
8.	District	Nainital
9.	State	Uttarakhand
10.	Name of Minor Mineral	Sand, Bajri & Boulder
11.	Sanctioned Lease Area (in Ha.)	1473 Ha
12.	Max. & Min mRL within lease area	224.23m -490.35 m
13.	Pillar Coordinates (Verified by DMO)	Latitude: 29°3'33.61" N to 29°15'45.48" N Longitude: 79°33'22.49" E to 79°32'55.05" E
14.	Letter of Intent	Letter of Intent (LoI) of mining lease over an area of 1497 ha. of mining lease has been granted, vide letter No. 179(1)/VII-2/11-KHA/2010 dated 24.01.2013. Further Extension NOC for a period of 10 years been provided vide GO Letter No.- 740/VII-A-1/2020/22KHA/13 dated 26.06.2020. Renewal of LOI vide letter no.- 1057/VII-A-1/2022-11(KHA)/2010 dated 29.09.2022 and vide letter no. 135/VII-A-1/2023/11(KH)/2010 dated 25.01.2023.
15.	Mine Plan approval details	Mining plan of this area for 1497 ha was approved by Director Geology & Mining Uttarakhand vide letter no. 3554/उपखनिज/भू. खनि. ई./मा. प्लान/2022-23 dated 09.12.2022 valid for 5 years.
16.	Validity of Mine Plan	5 Years i.e. 08.12.2027
17.	Total geological reserves	17,94,03,701.9 Tonns
18.	Total mineable reserves	As per the approved mining plan and replenishment study.
19.	Total Proposed Production (In 5 Years)	
20.	Total Proposed Production/Year	
21.	Sanctioned Period of Mine lease	5 years
22.	Method of Mining	Open Cast Manual
23.	No. of working days	245
24.	Working hours/day	8 hr
25.	No. of workers	21000 Nos: Persons (Direct Employment) 70 Nos: Staff & Others 21070 Total 7000 (Driver) – 7000 Nos. 2 RBM Collection labours (for 1 vehicle) – 14000 Nos.
26.	Type of Land	Forest land
27.	Ultimate Depth of Mining	1.5m
28.	Water Requirement	1080 KLD, Tanker supply (Domestic= 948 KLD Dust suppression+ 132 KLD)
29.	Any litigation pending against	No

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	the project or land in any court	
30.	Ecological Sensitive Map/zone	Nandhour Wildlife Sanctuary at 12.5 km in NE
31.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	NA
32.	Proposed CER cost	Rs. 9,95,000
33.	Proposed EMP cost	Rs. 35,00,000 as capital cost and recurring cost is Rs. 24,55,000
34.	No. of Trees to be Planted.	Compensatory Plantation is done by Forest department
35.	Detail of CTE/CTO issued by UPPCB	

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

- The total mine lease area of the project 1473 Ha which is a forest land falling under Tarai West Forest Division, Ramnagar in Nainital District.
- The project proponent has obtained Forest Clearance from MoEF&CC (Forest Conservation Division) vide letter no- 8-61/1999-FCPt.IV dated 01.03.2023 as per Forest (Conservation) Act, 1980 for an area of 1473 Ha.
- Out of the total allotted area of 1473 Ha, the minor mineral collection shall be carried out manually from 50 % of the total area that is 736.5 Ha. leaving 25 % area on each side of the river bank. The area available for mining would therefore be 736.5 Ha along the center of the river flow. Moreover no mining should be carried out in the 2.5 km elephant corridor stretch of Gaula River lying in the upstream of Lal kuan Gate and downstream of Devrampur gate as per the NOC issued by Chief Wildlife Warden, Uttarakhand.
- The mining shall be done only during day time.
- Approved DSR of District Nainital is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- The committee observed that the Project Proponent has obtained Forest Clearance for an area of 1473 Ha. Where as the approved mining plan is for 1497 Ha. Hence the Project Proponent is suggested to revisit the mining plan and should get the area as well as the maximum production target amended accordingly.
- Maximum permissible depth in the center of the mining area will be 1.5 meter.
- The project Proponent shall ensure that where ever deployment of labor attracts mines act, the provision thereof shall be strictly followed.
- The project proponent has obtained NOC from Chief Wildlife Warden vide letter no- 746/12-1 dated- 19-10-2022.
- The committee also suggested that mine site should have well demarcated safety zone from nearby bridges, educational institution or structures of historical importance.
- The committee suggested that the proponent should provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- The Project Proponent shall follow Sustainable Sand Mining Management Guideline, 2016 & Enforcement and Monitoring Guideline for Sand Mining, 2020.
- The mine working will be open cast by manual method without involving drilling & blasting. The mining is confined to extraction of Sand/Bajri/Boulder (River Bed Material). The Sand and Bajri will be collected by sieving of river material using hand tools like shovel, pan, sieve etc.
- The extraction of Sand/Bajri/Boulder (River Bed Material) shall be stopped during monsoon season.
- The quantity of mineral to be extracted should be fixed sustainably based on replenishment study.
- The Project Proponent shall obtain prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) if any, required for the project.
- It shall be ensured that there is no leakage of oil and grease in the river from the vehicles use for the transportation.
- Vehicular emission shall be kept under control and regularly monitored. The vehicles carrying minerals shall not be over loaded.

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

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

Proposal - 8

Online proposal No.	SIA/UK/MIN/441845/2023
Site Details	Extraction of Sand/Bajri/Boulder from Sharda River under Haidwani Forest Division, Village- Tanakpur, Teh- Poornagiri, Dist- Champawat.
Name & Address of Proponent	M/s Uttarakhand Forest Development Corporation (UKFDC), Aranya Vikas Bhawan, 73 Nehru Road, Dehradun.
Coordinates	Latitude- 29°02'09.84"N to 29°04'34.99"N Longitude- 80°06'33.82"E to 80°07'53.37"E
Mining Lease Area	384.69 Ha.
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/441845/2023 on dated 6th September, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Sand/Bajri/Boulder (River Bed Material) 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 meeting dated- 30.01.2023, the ToR letter was issued vide letter No.-127/SEIAA dated-13.02.2023 and the public hearing was conducted on dated- 24.05.2023. The project proponent has now submitted final EIA report with fresh data of one season. The EIA report submitted by the proponent consists of following chapters- description of environment, anticipated environmental impact and mitigation measures, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged, EMP etc. Project was prepared by Accredited consultancy firm Mantec Consultants Pvt. Ltd. and project was presented by Dr. B.J. Prasad EIA Coordinator. The details of the project are given below:-

S.No	Parameters	Description
	Name of the Project Proponent	M/s Uttarakhand Forest Development Corporation
2.	Registered Address	Maa Poornagiri Van Vikashigam Pariser Aam Bagh Road, Tanakpur-262309 (Champawat) Uttarakhand
3.	Full correspondence address of	Maa Poornagiri Van Vikashigam Pariser Aam Bagh

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	proponent and mobile no.	Road, Tanakpur-262309(Champawat) Uttarakhand							
4.	Name of Project	Mining of Minor Mineral (Sand, Bajri& Boulder) from the river bed of Sharda River.							
5.	Project Location (Plot.Khasra/Gata No.)	Sharda riverbed area, Village- Tanakpur, Tehsil- Poornagiri, District- Champawat, Uttarakhand, under Haldwani Forest Division , Haldwani							
6.	Name of Village	Tanakpur							
7.	Tehsil	Poornagiri							
8.	District	Champawat							
9.	State	Uttarakhand							
10.	Name of Minor Mineral	Sand, Bajri& Boulder							
11.	Sanctioned Lease Area (in Ha.)	384.69 Ha							
12.	Max. & Min mRL within lease area	252 m to 240 mRL							
13.	Pillar Coordinates (Verified by DMO)	Latitude: 29°2'9.84" N to 29°4'34.99" N Longitude: 80°6'33.82" E to 80°7'53.37" E							
14.	Letter of Intent	Letter of Intent (LoI) of mining lease over an area of 384.69 ha. of mining lease has been granted, vide letter No. 322/VII-2/19-KHA/2013 dated 13.02.2013. Time Extension for a period of 10 years been provided vide GO Letter No.- 740/VII-A-1/2020/22KHA/13, dated 26.06.2020. Further renewal of LOI vide letter no.- 2169/VII A-1/2021-19-KHA/2013 dated 23.12.2021							
15.	Mine Plan approval details	Mining Plan/Scheme been approved vide State DGM letter No. 3557/Khanan/मू. खनि.ई./मा. प्लान/2022-23 dated 09.12.2022 valid for 5 years.							
16.	Validity of Mine Plan	Valid for 5 years i.e. 08.12.2027							
17.	Total geological reserves	<table><tr><td>Proved Reserve</td><td>19516726.73 TPA</td></tr><tr><td>Probable Reserve</td><td>13011166.36 TPA</td></tr><tr><td>Possible Reserve</td><td>6505560.33TPA</td></tr></table>		Proved Reserve	19516726.73 TPA	Probable Reserve	13011166.36 TPA	Possible Reserve	6505560.33TPA
Proved Reserve	19516726.73 TPA								
Probable Reserve	13011166.36 TPA								
Possible Reserve	6505560.33TPA								
18.	Total mineable reserves	As per the approved mining plan and replenishment study.							
19.	Total Proposed Production (In 5 Years)								
20.	Total Proposed Production/Year								
21.	Sanctioned Period of Mine lease	5 years							
22.	Method of Mining	Open cast Manual							
23.	No. of working days	240 Days							
24.	Working hours/day	8 hr.							
25.	No. of workers	3050 persons 1000 Nos: Persons (Direct Employment) 50 Nos: Staff & Others 3050 Total 1000 (Driver) – 1000 Nos. 2 RBM Collection labours (for 1 vehicle) – 2000 Nos							
26.	Type of Land	Forest land at Sharda Riverbed							
27.	Ultimate Depth of Mining	1.5 m							
28.	Water Requirement	161.25 KLD							
29.	Any litigation pending against the project or land in any court	No							
30.	Ecological Sensitive Map/zone	Nandhour Wildlife Sanctuary~ 9.7 km							
31.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	NA							
32.	Proposed CER cost	Nil (No queries raised by public during opublic hearing)							
33.	Proposed EMP cost	Rs. 12 Lakhs as Capital cost Rs. 81.4 Lakhs as Recurring Cost							
34.	No. of Trees to be Planted.	Compensatory Plantation is done by Forest department							
35.	Detail of CTE/CTO issued by	-							

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

- The total mine lease area of the project 384.69 Ha which is a forest land falling under Haldwani Forest Division in Champawat District.
- The project proponent has obtained Forest Clearance from MoEF&CC (Forest Conservation Division) vide letter no- 8-61/1999-FC Pt.VII dated 01.03.2023 as per Forest (Conservation) Act, 1980 for an area of 384.69 Ha.
- Out of the total allotted area of 384.69 Ha, the minor mineral collection shall be carried out manually from 50 % of the total area that is 192.35 Ha, leaving 25 % area on each side of the river bank. The area available for mining would therefore be 192.35 Ha along the center of the river flow.
- The mining shall be done only during day time.
- The total length of the Sharda River under the Haldwani Forest Division being proposed under the project is approximately 12.00 Km.
- Approved DSR of District Champawat is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- Maximum permissible depth in the center of the mining area will be 1.5 meter.
- The project Proponent shall ensure that where ever deployment of labor attracts mines act, the provision thereof shall be strictly followed.
- The project proponent has not submitted NOC issued by Chief Wildlife Warden Uttarakhand, the project proponent shall submit the NOC in the SEIAA office at the earliest.
- The committee also suggested that mine site should have well demarcated safety zone from nearby bridges, educational institution or structures of historical importance.
- The committee suggested that the proponent should provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- The Project Proponent shall follow Sustainable Sand Mining Management Guideline, 2016 & Enforcement and Monitoring Guideline for Sand Mining, 2020.
- The mine working will be open cast by manual method without involving drilling & blasting. The mining is confined to extraction of Sand/Bajri/Boulder (River Bed Material). The Sand and Bajri will be collected by sieving of river material using hand tools like shovel, pan, sieve etc.
- The extraction of Sand/Bajri/Boulder (River Bed Material) shall be stopped during monsoon season.
- The quantity of mineral to be extracted should be fixed sustainably based on replenishment study.
- The Project Proponent shall obtain prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) if any, required for the project.
- It shall be ensured that there is no leakage of oil and grease in the river from the vehicles use for the transportation.
- Vehicular emission shall be kept under control and regularly monitored. The vehicles carrying minerals shall not be over loaded.
- Periodical medical examination of the workers engaged in the project shall be carried out and records are to be maintained.
- Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any mining activity at the site.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.

- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
- The EC issued will be coterminous with the Forest Clearance issued by MoEF&CC, GOI.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

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

Proposal – 9

Online proposal No.	SIA/UK/MIN/443075/2023
Site Details	Proposed Extraction of Soapstone at Village- Garuwa Sirmoli, Tehsil- Kanda, District- Bageshwar.
Name & Address of Proponent	M/s Dhaulinaag Mines and Mineral by Shri Jagdish Chandra Lohani (Partner) Address- Nayna Vihar, Damuwdhunga Kathgodam, District- Nainital.
Coordinates	Latitude- 29°50'52.08"N to 29°50'55.88"N Longitude- 79°55'36.76"E to 79°55'34.19"E
Mining Lease Area	3.784 Ha.
Category	B1& 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/443075/2023 on dated 5th September, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was recommend by the SEAC in its meeting dated- 16.02.2023, the ToR letter was issued vide letter No.- 219/SEIAA dated-22.02.2023 and the public hearing was conducted on dated-18.05.2023. The project proponent has now submitted final EIA report with fresh data of one season the EIA report submitted by the proponent consists of following chapters- 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 given below:-

S.No	Parameters	Description
	Name of the Project Proponent	M/s Dhaulinaag Mines & Minerals by Shri Jagdish Chandra Lohani
2.	Registered Address	R/o. – Nayna Vihar, Damuwdhunga Kathgodam, District- Nainital, Uttarakhand
3.	Full correspondence address of proponent and mobile no.	R/o. – Nayna Vihar, Damuwdhunga Kathgodam, District- Nainital, Uttarakhand
4.	Name of Project	Dhaulinaag Mines and Minerals
5.	Project Location (Plot/Khasra/Gata No.)	Village – Garuwa Sirmoli, Tehsil- Kanda, District- Bageshwar, State- Uttarakhand
6.	Name of Village	Garuwa Sirmoli
7.	Tehsil	Kanda
8.	District	Bageshwar
9.	State	Uttarakhand
10.	Name of Minor Mineral	Soap Stone
11.	Sanctioned Lease Area (in Ha.)	3.784 ha

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12.	Max. & Min mRL within lease area	Max- 1492.45mrl and min- 1401.85 mrl		
13.	Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
		1	29°50'52.08"N	79°55'36.76"E
		2	29°50'51.80"N	79°55'33.20"E
		3	29°50'57.80"N	79°55'31.10"E
		4	29°50'55.58"N	79°55'28.44"E
		5	29°50'56.50"N	79°55'27.60"E
		6	29°51'3.14"N	79°55'28.51"E
		7	29°51'3.46"N	79°55'29.43"E
		8	29°51'0.69"N	79°55'32.34"E
		9	29°50'59.77"N	79°55'31.22"E
		10	29°50'59.27"N	79°55'31.86"E
		11	29°50'59.96"N	79°55'33.30"E
		12	29°50'58.54"N	79°55'34.79"E
		13	29°50'55.88"N	79°55'34.19"E
14.	Letter of Intent	1449/VII-A-1/2021/1(34)/21 DATED- 1 st OCTOBER 2021		
15.	Mine Plan approval details	S.no 156/Mining/KhananYojana/Bageshwari/2022-23 Dated 30-5-22		
16.	Validity of Mine Plan	5 Years		
17.	Total geological reserves	3,75,250 tonnes		
18.	Total mineable reserves	15,426 Tones/Annum		
19.	Total Proposed Production (In 5 Years)	67113 Tones		
20.	Total Proposed Production/Year	15426 Tones		
21.	Sanctioned Period of Mine lease	25		
22.	Method of Mining	Open Cast Semi Mechanized Method		
23.	No. of working days	240		
24.	Working hours/day	8 Hrs		
25.	No. of workers	38		
26.	Type of Land	Agricultural & Govt Land		
27.	Ultimate Depth of Mining	12m		
28.	Water Requirement	9.56 KLD		
29.	Any litigation pending against the project or land in any court	NO		
30.	Ecological Sensitive Map/zone	Submitted		
31.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	S.no 221/Khanan/Cluster/Bageshwar/2022-23		
32.	Proposed CER cost	Rs. 6.0 Lac		
33.	Proposed EMP cost	Capital Cost-Rs9,80,000 Recurring Cost-7,40,000 Lac		
34.	No. of Trees to be Planted.	1900		
35.	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 4000 plants will be planted in

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first two years followed by maintenance in the next three years. In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.

- The committee suggested that the proponent should provide Eco-friendly toilets for the workforce.
- The mining operation would provide local employment and bring economic benefit to local population.
- Approved DSR of District Bageshwar is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The Project Proponent has submitted a certificate issued by CCF, I.T. Cell of Forest Department vide his file no-13/32-2(EODB) dated-06.07.2023 certifying 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.
- 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 coterminous with the Forest Clearance issued by MoEF&CC, GOI.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

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

Proposal – 10

Online proposal No.	SIA/UK/MIN/443293/2023
Site Details	Proposed Extraction of Soapstone at Village- Bhatnikot, Tehsil & District- Bageshwar.
Name & Address of Proponent	M/s D.K.D Mines by Smt. Neha Singh R/o - A-24, M.R-11, Road, Kanak Avenue, Lasudiamori, District-Indore, Madhya Pradesh.
Coordinates	Latitude- 29°52'6.99"N to 29°52'5.44"N Longitude- 79°48'13.86"E to 79°48'8.85"E
Mining Lease Area	5.657 Ha.
Category	B1& 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/443293/2023 on dated 6th September, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA

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Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was recommend by the SEAC in its meeting dated- 16.02.2023, the ToR letter was issued vide letter No.- 214/SEIAA dated-22.02.2023 and the public hearing was conducted on dated-08.05.2023. The project proponent has now submitted final EIA report with fresh data of one season the EIA report submitted by the proponent consists of following chapters- 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 given below:-

S.No	Parameters	Description																																							
	Name of the Project Proponent	Smt Neha Singh																																							
2.	Registered Address	R/o - A-24, M.R-11, Road, Kanak Avenue, Lasudiamori, District-Indore, Madhya Pradesh - 453771																																							
3.	Full correspondence address of proponent and mobile no.	R/o - A-24, M.R-11, Road, Kanak Avenue, Lasudiamori, District-Indore, Madhya Pradesh - 453771																																							
4.	Name of Project	M/s D K D Mines																																							
5.	Project Location (Plot.Khasra/Gata No.)	-																																							
6.	Name of Village	Bhatnikot																																							
7.	Tehsil	Bageshwar																																							
8.	District	Bageshwar																																							
9.	State	Uttarakhand																																							
10.	Name of Minor Mineral	Soapstone																																							
11.	Sanctioned Lease Area (in Ha.)	5.657 ha																																							
12.	Max. & Min mRL within lease area	Max- 1102.0 mRL & 917.17 mRL																																							
13.	Pillar Coordinates (Verified by DMO)	<table> <tr> <th>Pillar No.</th><th>Latitude</th><th>Longitude</th></tr> <tr><td>1</td><td>29°52'6.99"N</td><td>79°48'13.86"E</td></tr> <tr><td>2</td><td>29°52'5.52"N</td><td>79°48'14.90"E</td></tr> <tr><td>3</td><td>29°52'0.51"N</td><td>79°48'12.41"E</td></tr> <tr><td>4</td><td>29°52'0.28"N</td><td>79°48'6.79"E</td></tr> <tr><td>5</td><td>29°52'2.89"N</td><td>79°48'6.46"E</td></tr> <tr><td>6</td><td>29°52'1.31"N</td><td>79°48'2.76"E</td></tr> <tr><td>7</td><td>29°52'0.14"N</td><td>79°48'4.82"E</td></tr> <tr><td>8</td><td>29°51'58.83"N</td><td>79°48'2.89"E</td></tr> <tr><td>9</td><td>29°52'5.59"N</td><td>79°47'58.44"E</td></tr> <tr><td>10</td><td>29°52'6.49"N</td><td>79°47'60.00"E</td></tr> <tr><td>11</td><td>29°52'3.99"N</td><td>79°48'9.30"E</td></tr> <tr><td>12</td><td>29°52'5.44"N</td><td>79°48'8.85"E</td></tr> </table>	Pillar No.	Latitude	Longitude	1	29°52'6.99"N	79°48'13.86"E	2	29°52'5.52"N	79°48'14.90"E	3	29°52'0.51"N	79°48'12.41"E	4	29°52'0.28"N	79°48'6.79"E	5	29°52'2.89"N	79°48'6.46"E	6	29°52'1.31"N	79°48'2.76"E	7	29°52'0.14"N	79°48'4.82"E	8	29°51'58.83"N	79°48'2.89"E	9	29°52'5.59"N	79°47'58.44"E	10	29°52'6.49"N	79°47'60.00"E	11	29°52'3.99"N	79°48'9.30"E	12	29°52'5.44"N	79°48'8.85"E
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12	29°52'5.44"N	79°48'8.85"E																																							
14.	Letter of Intent	1416/VII-A-1/2021/1(32)/21 dated 01.09.2021 dated 01.09.2021																																							
15.	Mine Plan approval details	1447/Mu. Kha/Khanan/11/ soapstone/Bagh0/Bhu.Khani/2021-22 Dated 15.07.2022																																							
16.	Validity of Mine Plan	5 years																																							
17.	Total geological reserves	737319 Tonnes																																							
18.	Total mineable reserves	486117 Tonnes																																							
19.	Total Proposed Production (In 5 Years)	80802 Tonnes																																							
20.	Total Proposed Production/Year	23010 TPA																																							
21.	Sanctioned Period of Mine lease	50 Years																																							
22.	Method of Mining	Open Cast Semi Mechanized Method																																							
23.	No. of working days	240																																							
24.	Working hours/day	8 Hrs																																							
25.	No. of workers	42																																							
26.	Type of Land	Agricultural waste land, Govt Land																																							
27.	Ultimate Depth of Mining	18																																							
28.	Water Requirement	7.64 KLD																																							
29.	Any litigation pending against the project or land in any court	NA																																							

30.	Ecological Sensitive Map/zone	Submitted
31.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	NA
32.	Proposed CER cost	2.25 Lakhs
33.	Proposed EMP cost	8.05 Lakh
34.	No. of Trees to be Planted.	2900 Plants
35.	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 5000 plants will be planted in first two years followed by maintainance in the next three years. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The committee suggested that the proponent should provide Eco-friendly toilets for the workforce.
- The mining operation would provide local employment and bring economic benefit to local population.
- Approved DSR of District Bageshwar is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The Project Proponent has submitted a certificate issued by CCF, I.T. Cell of Forest Department vide letter no-166/32-1-1(2) dated-01.08.2023 certifying that the proposed area for mining does not lies within 10 KM of any National Park/Sanctuary.
- The Project Proponent has submitted approved conservation plan certified by DFO, Bageshwar.
- 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

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clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

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

Consideration/Reconsideration of Proposals For Terms of Reference (ToR)

Proposal – 1

Online proposal No.	SIA/UK/MIN/406075/2023
Site Details	Proposed Extraction of Soapstone at Village-Eeda, Tehsil&Distt-Bageshwar.
Name & Address of Proponent	M/s Onkar Minerals Eeda, Bageshwar (Partnership Firm)
Coordinates	Latitude- 29°50'43.59"Nto 29°50'51.46"N Longitude- 79°51'15.18"Eto 79°51'24.91"E
Mining Lease Area	8.394 Ha
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006.

The project was submitted vide proposal no SIA/UK/MIN/406075/2023 on dated 11th September,2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a).The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP.**Project was prepared by Accredited consultancy firm Eco Laboratories & Consultants Pvt. Ltd. and project was presented by Shri Bhuwan Joshi, EIA Coordinator.**

Hence, committee agreed to recommend ToR (Annexure-5) to the proponent for preparation of EIA report. 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 carry out geological stability study along with detailed flora and fauna investigation by subject specialist. The Project Proponent shall submit mitigation plan for avoiding the runoff and leaching of debris during the monsoon.

Proposal – 2


Online proposal No.	SIA/UK/MIN/434259/2023
Site Details	Proposed Extraction of Soapstone at Village-BhatauraRankot, Tehsil&Distt-Bageshwar.
Name & Address of Proponent	Shri Pushkar Lal Shah S/o- Shri Pyare Lal Shah R/o- Vill- Numaishkhet, Tehsil&Distt-Bageshwar.
Coordinates	Latitude- 29°51'48.91"Nto 29°51'48.50"N Longitude- 79°51'43.99"Eto 79°51'47.36"E
Mining Lease Area	6.864 Ha
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006.


The project was submitted vide proposal no SIA/UK/MIN/434259/2023 on dated 22nd June,2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a).The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP.**Project was prepared by Accredited consultancy firm M/s NatureanalyticaEnvirocare Solution Pvt. Ltd. and project was project was presented by Dr. O.P. Shukla, EIA Coordinator.**

Hence, committee agreed to recommend ToR (Annexure-5) to the proponent for preparation of EIA report. 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 carry out geological stability study along with detailed flora and fauna investigation by subject specialist. The Project Proponent shall submit mitigation plan for





avoiding the runoff and leaching of debris during the monsoon. Project Proponent has intimated vide his letter dated 14-09-2023 that they have completed baseline study during the duration of April, 2023 to June, 2023.


(Shri S.S. Bist)
Chairman, SEAC


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

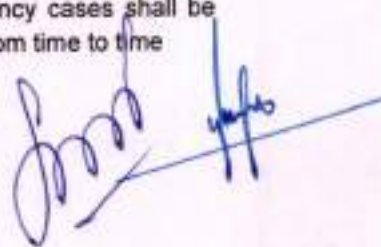

(Dr. Ashutosh Gautam)
Member, SEAC


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




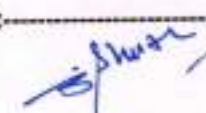


(Shri Nitish Mani Tripathi)
Member Secretary, SEAC

- 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



- 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.


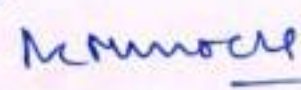

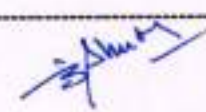

- 1.1. Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site
- 1.2. No further expansion or modifications in the plan shall be carried out without the 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/premixed 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 30th April to 15th 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. DG Sets shall be used only as backup power and it should have stack height complying with CPCB norms.
- 1.14. 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.
- 1.15. 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.
- 1.16. 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.
- 1.17. 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.
- 1.18. 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
- 1.19. 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




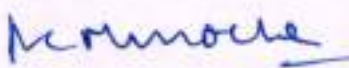

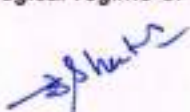




- 1.20. One third of the total project site area shall be converted into green belt. The green belt shall not include kitchen garden, flower pots and grasses/herbs in the area. It shall comprise of tree stand of aesthetic/fruit/timber value. Quality planting material has to be used during plantation as per standards of State Forest Department.
- 1.21. Acoustic enclosures shall be provided with all construction machineries and DG sets on site complying with Noise Levels of CPCB standards. The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system as approved by UEPPCB.
- 1.22. 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.
- 1.23. 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.
- 1.24. 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.
- 1.25. 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.
- 1.26. 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.
- 1.27. The use of plastics during construction activity shall be bare minimum and efforts to use timber substitute materials should be maximized.
- 1.28. The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.
- 1.29. The entire site after construction activities should carry signages of garbage collection points, environment awareness etc.
- 1.30. 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.
- 1.31. 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.
- 1.32. 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.
- 1.33. DG sets shall be used only in emergency purpose. The use of solar energy and inverter shall be ensured and maximized as backup power.
- 1.34. Solar panel/energy should be encouraged/installed in the premises.
- 1.35. 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.
- 1.36. 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) Legal status of the mining lease area shall remain unchanged and the Environmental Clearance shall remain coterminous with the lease period. The mined lease area shall not be used for any purpose other than that specified in the proposal
- 2) In case of flash flood and river changing its meandering course, then fresh proposal has to be submitted for grant of Environmental Clearance
- 3) The project proponent shall formulate a transparent and unbiased procedure for engagement of labourers for sustainable extraction of the minor minerals from the mining lease area
- 4) The boundary of the mined lease area shall be demarcated on ground by erecting pillars, each inscribed with its serial number, DGPS coordinates, forward and back bearing, and distance from adjoin pillars etc. This demarcation will be ensured by the Revenue Department. A bench mark will be established to monitor depth of the mining
- 5) Extraction of minor minerals shall be restricted to middle half of the width of river bed/mining site after leaving intact the one-fourth of width of the river bed/mining site along its each bank. Breaking of boulders shall not be permitted in the mining lease area
- 6) The collection of minor minerals during a working season shall start from centre of the river/mining site width and shall gradually extend to the boundary of the permissible area so as to ensure maintenance of river geometry. The maximum permissible depth for collection of minor minerals at centre of the river/mining site width shall be fixed at 1.5 meter or up to ground water level whichever is less
- 7) Extraction of minor mineral shall be permissible from 1st October of every year to 15th June of the subsequent year. It shall be ensured that no mining activity is carried out during the monsoon season. Workers should be advised and protected against flash flood during 1st June to 15th June and 1st Oct to 31st Oct during which there may be rains in the hills
- 8) The project proponent has to regulate and maintain record of the quantity of minor minerals extracted during a season. The monitoring shall be ensured by Mines Department/District Administration from time to time
- 9) The extraction of sand, bajri and boulder shall be carried out in open cast manual method as per the approved mine plan.
- 10) The collection time of RBM shall be from sun-rise to sun-set
- 11) The project proponent shall strictly adhere to the norms of Transport Department in refraining from use of polluting and less fuel efficient vehicles for transporting extracted minor minerals. There shall be no over loading of vehicles as against standard norms fixed by Central Government/State Government/Hon'ble Courts from time to time
- 12) There shall be no labour camp in the mining lease area for the labour engaged in collection of the minor minerals. The labour engaged in collection/extraction work shall be provided free fuel wood/alternate source of energy to avoid any pressure on adjoining forest land.
- 13) 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
- 14) The Geology and Mining department shall ensure site specific river training works at the work site to ensure bank protection. A Corpus fund for this purpose will be set up and kept at the disposal of District Magistrate
- 15) The Geology and Mining department should identify an agency for regular/periodical monitoring of quality of ground water of existing hand pumps and tube wells in the vicinity of the mining site
- 16) The project proponent shall ensure that maximum local labour be engaged and hence employment opportunity provided. The project proponent shall follow all safety measures for labour force engaged in accordance with respected Acts/Rules
- 17) The project proponent shall prepare the plan of mining in conformity with the mine lease conditions and the Rules prescribed in this regard thereby clearly delineating the **No Work Zone** in the mine lease area i.e. the distance from the bank of river/mine site to be left un-worked (Non mining area), distance from the bridges etc. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard
- 18) The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro-geological regime of the surrounding area are not affected.

- 19) The project proponent shall ensure refraining from leaving behind clothes, personal belongings of labour engaged, polythene, plastic bottles, carton etc or any other solid waste in work site at the end of working season
- 20) The project proponent will provide protective respiratory devices to workers working in dusty areas and they shall also be provided with adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
- 21) 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.
- 22) The project proponent should plant 3000 trees 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.
- 23) The above environmental safeguards shall be implemented in letter and spirit. The project proponent shall establish Environment Monitoring Cell and also submit six monthly compliance reports to this Authority and regional office of MoEF&CC, Govt of India at Dehradun
- 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

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1. The legal status of the mining lease area shall remain unchanged and the Environment Clearance shall remain coterminous 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 **manually** without adopting drilling and blasting operation. The use of hand held mechanically driven equipment is permitted. The use of any electrically driven machinery shall be remain prohibited and only hand held tools shall be used for extraction of the mineral
5. Soapstone mining shall be carried out during sunrise to sunset period only. It shall not involve felling of trees and clearance of vegetation. There shall be no permanent construction at the site except temporary erection of first aid room, office, store, drinking water shed, rest shelter etc.
6. The process of mining and quantity of extractable mineral and subsequently progressive mine closure shall be as per the approved mine plan. The mining operation shall be carried out from formation of benching pattern. The maximum height of benches shall not exceed 1.5 mt and ultimate pit slope shall be kept as per the approved mining plan.
7. The maximum permissible depth for mining of soapstone shall not exceed 6 meter or depth of ground water table whichever is less. During first five years of mining lease the depth of mining shall not exceed 3 meter. Mining beyond 6 meter shall be granted after site visit by SEAC
8. Mining shall be permissible from 1st October of every year to 15th June of the subsequent year. It shall be ensured that no mining activity is carried out during the monsoon season
9. Reclamation of the mine lease area shall be through back filling, stabilization and cultivation. The waste and top soil generated during mining shall be temporarily stacked in external dump which will be subsequently vacated and back filled in mined out pits. The waste generated in the area will be backfilled during rains and land made suitable for cultivation. Back filling shall be done in a retreating manner as per the approved mine plan. Mining activity and back filling shall be done simultaneously once space is available
10. No disturbance to natural drainage system around the mining lease area shall be done. No mixing of wastes is allowed. The dump site shall be kept away from the nearby nallahs/water bodies and maintained at a distance of at least 100 meters. The external dump shall be protected against slide/slip by adopting suitable mechanical and vegetative measures. Proponent should construct a retaining wall, along the nallah side, with suitable height to protect soil erosion. The construction of toe wall, check dam and planting of grass species/soil binding dwarf species in dump yard shall be done
11. The project proponent shall undertake transportation of mineral from pit head to road 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


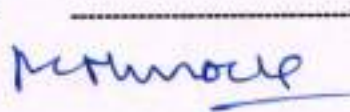



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19. The project proponent shall formulate a transparent and unbiased procedure for engagement of laborers for sustainable extraction of the minerals from the mining lease area. The project proponent shall ensure that maximum local labour be engaged 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 5000 trees 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.

Terms of Reference (ToR)

Terms of Reference (TOR) for preparation of Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) for "Mining of Minerals" as per the EIA Notification, 2006 has been devised to improve the quality of the reports and facilitate decision-making transparent and easy. TOR will help the project proponents to prepare report with relevant project specific data and easily interpretable information. TOR for mining of minerals is expected to cover all environmental related features.

Mining of minerals plays a positive role in the process of country's economic development. In addition to the contribution towards economic growth, mining can also be a major source of degradation of physical as well as social environment, unless it is properly managed. Environmental impacts can arise during all activities of the mining process. Minimizing the damage due to mining operations depends on sound environmental practices in a framework of balanced environmental legislation. The potential adverse effects of mining activities include air pollution, surface and groundwater pollution, noise and vibration, damage to local ecology, natural topography and drainage, depletion of water resources etc. All these environmental components are required to be considered while selecting a proper methodology of mining, mitigation measures to reduce pollution load, conservation of natural resources etc.

The projects of mining of minerals as stated in the schedule require prior environment clearance under the EIA notification, 2006. Category 'A' Projects are handled in the MoEF&CC and Category 'B' projects are being handled by the respective State Environment Impact Assessment Authorities (SEIAAs) notified by MoEF&CC and following the procedure prescribed under the EIA Notification, 2006. As per this Notification, as amended, the projects of mining of minerals with mining lease area equal to or greater than 50 hectare are to be handled at the level of the MoEF&CC for grant of EC. Such projects with mining lease area less than 50 hectare are to be handled by the respective State Environment Impact Assessment Authority (SEIAA).

1(a):STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR NON-COAL MINING PROJECTS AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee. The above reports should also match with the latest District Survey Report (DSR) notification dated 25th July, 2018. **Data obtained from this DSR should be incorporated in the EIA Report for Impact Identification, Interpretation, Prediction, Carrying Capacity and Mitigation.**
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.

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- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to

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shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

- 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
- 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 29) Details of any stream, seasonal or otherwise, passing through the lease area and modification/diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 30) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 32) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.







- 36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.

44) Besides the above, the below mentioned general points are also to be followed:-

- a) Executive Summary of the EIA/EMP Report
- b) All documents to be properly referenced with index and continuous page numbering.
- c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
- d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
- e) Where the documents provided are in a language other than English, an English translation should be provided.
- f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
- g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
- i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
- j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

Note: 1) The study area shall comprise of radial distance of 10 KM from the project site and the study period is three months. The impact on each of the above parameter as a result of mining shall be assessed through appropriate modeling and prediction methods considering base line data.

2) District Survey Report should be submitted as per the latest notification issued by MoEF&CC.

Additional TOR:

1. Project Proponent shall carry out detailed stability study of the project area as it is falling near to natural disaster prone Joshimath area.
2. Project Proponent shall carry out detailed investigation on impact of the mining activity on the tourist activity and the aquatic bio-diversity.

3. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc. Proprietor/proprietor representative should be present at the time of monitoring and monitoring should be conducted as per CPCB SOP/NABET/QCI guidelines. Lab responsible person should be present at the time of EIA presentation.
4. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
5. The project proponent will have to inform the schedule of monitoring/data collection programme to the SEIAA, Uttarakhand before start of data collection. In case of failure, the collected baseline monitoring data will be treated as null and void.
6. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
7. Original lab analysis report of the project proposal along with EIA report should be uploaded on Parivesh Portal.
8. Combined KML of all mines in a cluster should be submitted at the time of EIA.
9. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
10. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
11. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
12. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
13. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
14. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
15. Corporate Social Responsibility (CSR) to be prepared as per the MoEF&CC guidelines and present it at the time of EIA presentation.

