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

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Letter No:24/SEAC
Dated: 25, May, 2023

The 8th meeting of the Uttarakhand State Level Expert Appraisal Committee (SEAC) was held on 25th May, 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 includesIndustrial, Construction,Mining (R.B.M/Soapstone)etc. The concernedrecognized environment consultants of the proponents made the presentations.

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

Proposal – 1

Online proposal No.	SIA/UK/INFRA2/415685/2023
Name of the Project	ProposedInstallation of RBM Screening Plant having capacity of 100 TPHalong with 125 KVA DG setat Khasra No. 197/2, 37/1, 312/2, 198, 198/80, Viliage- Fatehpur Tanda, Tehsil- Doiwala, District-Dehradun
Name & Address of Proponent	M/s Shri Ram Associate
Whether New/Expansion/ Modernization Project	New
Total Plot Area	1.391 Ha.
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)

The project was submitted vide proposal no SIA/UK/INFRA2/415685/2023 on dated 24thJanuary, 2023by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Installation of RBM Screening Planthaving capacity of 100 TPH along with 125 KVA DG set. The committee observed that this project activity is covered under Orange Category as per the Doon Valley Notification 1989 (as amended). The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm Eco Laboratories & Consultants Pvt. Ltd. and project was presented by Shri Bhuwan Joshi, EIA Coordinator.** The details of the project are given below:-

S.No	Parameters	Description
1.	Products and quantity	100TPH
2.	Estimated Project Cost	70 Lac
3.	Total Plot Area	1.391Hectare
4.	Proposed Green Area	500 Trees Every Year
5.	Fresh Water Consumption	Screening Process: - 35.00KLD, Domestic: - 0.25 KLD Dust Suppression- 2.70 KLD, Greenbelt: - 2.00 KLD Water Recycled: - 31.00 KL Total water requirement: –5.75 KLD
6.	Fresh Water Source	Bore well
7.	Power Demand	125KVA
8.	Power back up	125 KVA DG Set
9.	Wastewater Management	31.0KLD water shall be recycled
10.	Steam and heating system	NA
11.	Fuel Consumption	NA

Land use details:

S.No	Parameters	Description
1.	Ground Coverage	1.391 Hectare
2.	Road and Paved area	NA
3.	Parking area	NA
4.	Green Area	500 Trees Every Year
5.	Switchyard [OTS]	NA
6.	Future Expansion Area	NA
	Total Plot Area	1.391 Hectare

Raw material details:

S.No	Major Raw Material	Avg. consumption per month	Source	Mode of Transport
1.	RBM	21000	River material	Truck
2.	-	-	-	-

Domestic Water Demand and Effluent Generation:NA

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

Water Balance Table

Requirement for	Input	Losses	Waste water generation	Losses after treatment	Recycled/ Reuse
Screening Process	35.00	1.0	34.0	1.00	33.0 (31.0 KLDRecycle to process & 2.0 KLDreuse in greenbelt and other)
Domestic	0.25	0.05	0.20	0.00	
Dust Suppression	2.70	2.70	0.00	0.00	
Greenbelt	2.00	2.00	0.00	0.00	
Total	39.75	5.75	34.20	1.00	33.0

Industrial Water Demand and Effluent Generation: NA

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

Solid waste details: NA

S.No.	Waste Detail	Quantity Generation	Utilization/Disposal
1	Process waste [Category 21.1]	--	--
2	Spent solvent distillation residue [Cat 20.3]	--	--
3	ETP sludge [Category 35.3]	--	--
4	Empty barrels /liners/containers contaminated with hazardous wastes/ chemicals [Category 33.1]	--	--
5	Used Oil [Category 5.1]	---	--

Hazardous Waste

S.No.	Source	Quantity of hazardous waste generated	Category according to Schedule I of hazardous waste	Treatment/ Disposal
1.	Used Spent Oil	0.1 MTPA	5.1	Will be handed over toauthorized recyclers/re-processors
2.	DiscardedDrums /Barrels	10 Nos./Annum	33.1	Will be handed over toauthorized recyclers/re-processors

Solid Waste Generation and Its Management

Assuming per capita solid waste generation rate as 0.2 kg/capita/day	
Quantity of solid waste generated	2.00 kg/day
Organic solid waste : 60 % of the total waste	1.20 kg/day
Inorganic solid waste : 40 % of the total waste	0.80 kg/day
Disposal of domestic solid waste	Domestic wastes are segregated at source,collected in bins and disposed of as per UKPCB Norms

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

- The Project proponent has informed in his presentation that the actual distance of the project site from the bank of non-perennial river is 420 meters& no other perennial river falls within 500 meters of the said project.
- Govt. of Uttarakhand has issued G.O. in favour of this project vide its letter No- 2423 dated- 17.01.2019 which is valid for 5 years, the present E.C. will remain co-terminus with the duration of the Govt. G.O. In future if extension/renewal is provided by the Govt. then the current E.C. will be co-terminus with the extended/renewed G.O.
- Project Proponent shall ensure compliance of CER activity through any Govt. Organization.
- The Project proponent has assured that he will use new and most advanced machineries, which are efficient to minimize air and noise pollution.
- The Project proponent has assured that they will ensure 3 layered plantation on the periphery of the premises.
- The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- The unit should properly provide covered processing area for control of fugitive emission.
- The unit should provide ducting and scrubbing system in cover shed to arrest dust as per State Policy, 2021.
- The unit should provide pucca drain for wastewater conveyance to settling tank.
- The unit shall provide proper overflow system in settling tank.
- The unit should provide proper water sprinklers with sufficient pressure as per State Policy, 2021.
- The unit should install interlock system for air pollution control device and process.
- The unit should expedite to construct brick wall of sufficient height. The unit should provide adequate green belt as per State Policy 2021. Till the adequate growth of plants, the unit may provide other alterative arrangement for fugitive emission control.
- The unit should provide complete metaled road as per State Policy, 2021.
- The unit should maintain proper log book of fresh water consumption.
- Project Proponent shall install solar lights on the periphery of its premises.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit fortnightly reports pertaining to ambient air quality, and quarterly report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it. The reports pertaining to ambient air quality shall be submitted before 10th day of every month and the reports pertaining to ground water quality and noise shall be submitted before 10th day of every fourth month to SEIAA.
- The Project proponent will install advanced dust suppression system at the project site.
- The Project Proponent shall develop multi layered green belt around the periphery of the plant. The green belt thus developed should be on more than 10 percent of the project area. The project proponent will develop additional green belt in the surrounding areas to

complete the requirement of 33% green belt of the project area. The project proponent shall plant fast growing species such as bamboo in the premises.

- The Project proponent shall plant fast growing species on both the sides of road connecting from the project premises to main road.
- The project proponent shall submit the NoC from CGWB for utilization of ground water.
- The project proponent shall undertake rainwater harvesting activities in the surrounding villages preferably in the schools, primary health centers in consultation with local authorities.
- Barricading (boundary) of at least 20 feet height around the project site shall be constructed by the project proponent.
- The Proponent shall ensure installation of water sprinklers within the premises to prevent dust hazards.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- All the vehicles being used for transportation from the Screening Plant should have a valid pollution under control certificate.
- The Project proponent shall submit dust emission dispersion modeling to SEIAA on yearly basis from Government recognized institution/NABET approved consultant.
- The project proponent shall ensure maintenance of the approach road.
- The project proponent is allowed to run the plant only during day time. The plant running hour shall not be more than 10 hours in a day.
- The Project Proponent shall obtain CTE/CTO from UKPCB prior to operation of the plant.
- 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 guidelines issued for Screening Plant by MoEF&CC, CPCB and UKPCB as amended from time to time.
- The Project Proponent shall follow directions/orders issued by Hon'ble High Court/NGT/ Supreme Court with respect to establishment of Screening Plant or on issues pertaining to pollution by Screening Plant.
- 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.

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/INFRA2/416230/2022
Name of the Project	Proposed establishment of 200 TPH Stone Crusher Plant along with 500 KVA DG set at Khasra No. 283 Ka, 284 Ka& 285, Village-Kainchiwala, Abdullapur, Sahaspur, Tehsil-Vikasnagar, District-Dehradun
Name & Address of Proponent	M/s Pachwadun Stone Crusher by ShriSikander Singh (Partner)
Whether New/Expansion/ Modernization Project	New
Total Plot Area	1.0253 Ha.
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)

The project was submitted vide proposal no SIA/UK/INFRA2/416230/2022 on dated 29th January, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed establishment of 200 TPH Stone Crusher Plant along with 500 KVA DG set. The committee observed that this project activity is covered under Orange Category as per the Doon Valley Notification 1989 (as amended). The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm M/s Rian Enviro Pvt. Ltd. and project was presented by Shri Sumit Verma, FAE.** The details of the project are as follows:-

S.No	Parameters	Description
1.	Products and quantity	Stone Crusher - 200 TPH
2.	Estimated Project Cost	5.63 Cr.

3.	Total Plot Area	1.0253 Hectare.
4.	Proposed Green Area	3384.0 Sq. m
5.	Proposed Green Area	3384.0 Sq. m
6.	Fresh Water Consumption	8.40 KLD
7.	Fresh Water Source	Borewell
8.	Power Demand	900KVA
9.	Power back up	DG Set 500 KVA (01 No.)
10.	Wastewater Management	Domestic Sewage: 0.70 KLD (Disposed through Septic tank/soak pit).
11.	Steam and heating system	
12.	Fuel Consumption	HSD

Land use details:

S.No	Parameters	Description
1.	Ground Coverage	
2.	Road and Paved area	
3.	Parking area	
4.	Green Area	3384.0 Sq. m
5.	Switchyard [OTS]	
6.	Future Expansion Area	
	Total Plot Area	1.0253 Hectare.

Raw material details:

S.No	Major Raw Material	Avg. consumption per month	Source	Mode of Transport
1.	RBM	2000 MTPD	Open Market	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]	30		0.90	0.70
2	Flushing water				
3	Canteen Facility				
4	Housekeeping				
5	Gardening	3384.0 Sq. m		2.00	0.00
6	Dust Suppression				
7	Washing				
	Total			**2.90**	**0.70**

Industrial Water Demand and Effluent Generation:

S.No.	Uses	Water requirement [KLD]	Effluent Generation [KLD]
1	Process -	90.0	
2	Cooling Tower make up		
3	Laboratory		
4	APC devices [Fume scrubber]		
5	Rejects from Water Treatment		
	Total	**90.0**	

Solid waste details:

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

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

- The Project proponent has informed in his presentation that the actual distance of the project site from the bank of non-perennial river is 200 meters & no other perennial river falls within 500 meters of the said project.
- Govt. of Uttarakhand has issued G.O. in favour of this project vide its letter No- 703 dated-24.01.2023 which is valid for 10 years, the present E.C. will remain co-terminus with the duration of the Govt. G.O. In future if extension/renewal is provided by the Govt. then the current E.C. will be co-terminus with the extended/renewed G.O.
- Project Proponent shall ensure compliance of CER activity through any Govt. Organization.
- The Project proponent has assured that he will use new and most advanced machineries, which are efficient to minimize air and noise pollution.
- The Project proponent has assured that they will ensure 3 layered plantation on the periphery of the premises.
- The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- The unit should properly provide covered processing area for control of fugitive emission.
- The unit should provide ducting and scrubbing system in cover shed to arrest dust as per State Policy, 2021.
- The unit should provide pucca drain for wastewater conveyance to settling tank.
- The unit shall provide proper overflow system in settling tank.
- The unit should provide proper water sprinklers with sufficient pressure as per State Policy, 2021.
- The unit should install interlock system for air pollution control device and process.
- The unit should expedite to construct brick wall of sufficient height. The unit should provide adequate green belt as per State Policy 2021. Till the adequate growth of plants, the unit may provide other alterative arrangement for fugitive emission control.
- The unit should provide complete metaled road as per State Policy, 2021.
- The unit should maintain proper log book of fresh water consumption.
- Project Proponent shall install solar lights on the periphery of its premises.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit fortnightly reports pertaining to ambient air quality, and quarterly report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it. The reports pertaining to ambient air quality shall be submitted before 10th day of every month and the reports pertaining to ground water quality and noise shall be submitted before 10th day of every fourth month to SEIAA.
- The Project proponent will install advanced dust suppression system at the project site.
- The Project Proponent shall develop multi layered green belt around the periphery of the plant. The green belt thus developed should be on more than 10 percent of the project area. The project proponent will develop additional green belt in the surrounding areas to complete the requirement of 33% green belt of the project area. The project proponent shall plant fast growing species such as bamboo in the premises.
- The Project proponent shall plant fast growing species on both the sides of road connecting from the project premises to main road.
- The project proponent shall submit the NoC from CGWB for utilization of ground water.
- The project proponent shall undertake rainwater harvesting activities in the surrounding villages preferably in the schools, primary health centers in consultation with local authorities.
- Barricading (boundary) of at least 20 feet height around the project site shall be constructed by the project proponent.
- The Proponent shall ensure installation of water sprinklers within the premises to prevent dust hazards.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- All the vehicles being used for transportation from the Stone Crusher Plant should have a valid pollution under control certificate.
- The Project proponent shall submit dust emission dispersion modeling to SEIAA on yearly basis from Government recognized institution/NABET approved consultant.
- The project proponent shall ensure maintenance of the approach road.
- The project proponent is allowed to run the plant only during day time. The plant running hour shall not be more than 10 hours in a day.
- The Project Proponent shall obtain CTE/CTO from UKPCB prior to operation of the plant.

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

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/INFRA2/427133/2023
Name of the Project	Proposed construction of integrated office complex Green Building at Khasra no.-112 Mi, 115, 116, 120 Mi, 121 Mi, 122, 123,Haridwar Road, Tehsil & District – Dehradun.
Name & Address of Proponent	M/s Dehradun Smart City Limited, Office of Executive Engineer & Senior Manager (C)-2, Uttarakhand Projects, CPWD, 20-Subhash Road, Dehradun.
Whether New/Expansion Project	New
Total Plot Area	19,096.72 m^2
Built up Area	61,551.12 m^2
Project Category	8(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/427133/2023on dated 25th April, 2023by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed construction of integrated office complex Green Building. The proponent has submitted detailed project related information in Form 1, Form 1-A, Conceptual Plan. **Project was prepared by Accredited consultancy firm Environmental Management Division of M/s Ind Tech House Consult and project was presented by Shri SoumyaDwivedi, EIA, Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description
1.	Plot Area	19096.72 sqm
2.	Proposed Built Up Area	61551.12 sqm
3.	Total no of Saleable DU's	NA as it is an office complex
4.	Total EWS Unit	NA as it is an office complex
5.	Max Height of Building (Upto Terrace)	32.65 m
6.	Max No of Floors	2B+G+8
7.	Cost of Project	234 Cr
8.	Expected Population	7044 Nos.
9.	Proposed Ground Coverage Area	5455.06 sqm
10.	Proposed FAR Area	46841.18 sqm
11.	Total Water Requirement	261.79 KLD ~ 262 KLD
12.	Fresh water requirement	135.28 KLD ~ 135 KLD
13.	Waste water Generation	225.69 KLD ~ 226 KLD
14.	Proposed STP Capacity	275 KLD
15.	No of RWH of Pits Proposed	5 nos.
16.	Total Proposed Parking	956 ECS
17.	Proposed Green Area (47.33% of Plot Area)	9040.05 sqm
18.	Municipal Solid Waste Generation	1.21 TPD
19.	Total Power Requirement	1796 KVA
20.	DG set backup	600 KVA

Salient features details:

PROJECT SUMMARY			
Sl. No.	**Description**	**Quantity**	**Unit**
GENERAL			
1	Plot Area	19096.72	SQMT

2	Proposed Built Up Area	61551.12	SQMT
3	Max Height of Building	32.65	M
4	Max No of Floors	2B+G+8	No.
5	Expected Population (All floating 7051)	7044	No.
6	Cost of Project	234	CR
7	Project Activity: Govt office - collectorate		
AREAS			
8	Permissible Ground Coverage Area	5729	SQMT
9	Proposed Ground Coverage Area	5455.06	SQMT
10	Permissible FAR Area (incl 50% Purchasable & 5% Green rating)	47742	SQMT
11	Proposed FAR Area	46841.18	SQMT
12	Proposed Total Non-FAR Areas	14709.94	SQMT
13	Proposed Total Built-Up Area	61551.12	SQMT
WATER			
14	Total Water Requirement	261.79	KLD
15	Fresh water requirement	135.28	KLD
16	Treated Water Requirement	126.51	KLD
17	Waste water Generation	225.69	KLD
18	Proposed Capacity of STP	275	KLD
19	Treated Water Available for Reuse	203.12	KLD
20	Treated Water Recycled	126.51	KLD
21	Discharge to Municipal Sewer	76.61	KLD
RAIN WATER HARVESTING			
22	No of RWH of Pits Proposed	5	No.
PARKING			
23	Total Parking Required as / Building Bye Laws	936	ECS
24	Proposed Total Parking	956	ECS
25	Parking on Surface	62	ECS
26	Parking in Basements	638.46	ECS
GREEN AREA			
27	Required Green Area (10%)	1909.67	SQMT
28	Proposed Green Area (47.33%)	9040.05	SQMT
WASTE			
29	Total Solid Waste Generation	1.21	TPD
30	Organic waste	0.50	TPD
31	Quantity of Hazardous waste Generation	0.40	LPD
32	Quantity of Sludge Generated from STP	22	KG/DAY
ENERGY			
33	Total Power Requirement	1796	KVA
34	DG set Power backup	600	KVA
35	No of Generator Sets	2	No.

Land use details:

S.No	Parameters	Description
1.	Ground Coverage Area	5455.1
2.	Green Area	9040.05
3.	Road/Paved Parking Area	3819
4.	Other Open Area	782.3
5.	Total Plot Area	19096.72

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 a demand letter of building from MDDA vide file no- MAP/P/C/1314/22-23 dated-30.03.2023. The project proponent shall get the approval 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 install Electric Vehicle charging station for vehicles in its parking area.
- Project Proponent shall ensure that the green net/protection cover is installed during construction phase.
- Project Proponent shall follow the latest norms of green building, so that the building should be an example for other construction of similar nature.
- Project Proponent shall carry out vehicle emission load from the proposed project and the report shall be submitted to SEIAA along with six monthly compliance through govt. recognized agency.
- The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- 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 continous 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 No's - 2×300 KVAand 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 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 275 KLD shall be installed for treating waste water upto tertiary level. Sewage Treatment Plant shall be complying with parameters of CPCB/UKPCB guidelines. Treated water should be used for flushing, green belt development, road washing, 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.
- No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)
- The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection)Act 1986, Hazardous and other Wastes (Management and Tranboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

- Project Proponent will operate on the principle of zero liquid discharge.
- Project Proponent will submit water balance chart especially in relation to maintaining zero liquid discharge.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- 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.

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/INFRA2/428135/2023
Name of the Project	Expansion of production capacity of Shoes in the Existing Complex at Khasra No. 3914, Lal Tappar Industrial Area, MouzaMajri Grant, Tehsil-Rishikesh, District-Dehradun
Name & Address of Proponent	M/s Mochiko Shoes (A Unit of Mochiko Shoes Pvt. Ltd.)by Shri Rajveer Singh (Deputy General Manager -HR)
Whether New/Expansion/ Modernization Project	Expansion
Total Plot Area	2310.00m^2
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 &2020)

The project was submitted vide proposal no SIA/UK/INFRA2/428135/2023on dated 8thMay, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Expansion of production capacity of Shoes in the Existing Complex. 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 Environmental Management Division of M/s India Glycols Ltd. and project was presented by Shri Deepak Sati, FAE.**

The committee (barring Dr. Ashutosh Gautam, Member SEAC who recused himself from attending the appraisal of the present proposal) considered the proposal after going through the EIA/EMP reports. The details of the project are given below:-

S.No	Parameters	Description
1.	Products and quantity	S. No. | Products | Capacity (MTPA): 1. | Sports Shoes | 2,50,000 Shoes Pairs/Month
2.	Estimated Project Cost	Rs. 546.75 Lacs
3.	Total Plot Area	2310.0 Sq.m
4.	Proposed Green Area	-
5.	Proposed Green Area	-
6.	Fresh Water Consumption	12.4 KL
7.	Fresh Water Source	Borewell
8.	Power Demand	450 KVA
9.	Power back up	320 KVA & 250 KVA
10.	Wastewater Management	0.7 KLD of waste water will be generated from Process washing & it will be treated in the existing ETP (Capacity – 1.2 KLD) and reused in process. 14.4 KLD approx. waste water will be generated from the Domestic purpose after proposed expansion. All the generated sewage will be treated in the augmented STP (Capacity - 15.0 KLD) & reuse in toilet flushing purpose, Green belt & Mis. Purpose.

11.	Steam and heating system	-
12.	Fuel Consumption	HSD

Land use details:

S.No	Parameters	Description
1.	Ground Coverage	1905.51Sq.m.
2.	Road and Paved area	404.49 Sq.m.
3.	Parking area	-
4.	Green Area	Green belt development on lease land
5.	Switchyard [OTS]	-
6.	Future Expansion Area	-
	Total Plot Area	2310.0Sq.m.

Raw material details:

S.No	Major Raw Material	Avg. consumption per month	Source	Mode of Transport
1.	Upper/Socks	310811.2 Mtr	Indigenous	By Road
2.	Soles	142118.8 Mtr	Indigenous	By Road
3.	Adhesive	14244.44 Mtr	Indigenous	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]	600	30	18.0	14.4
2	Flushing water	-	-	-	-
3	Canteen Facility	-	-	-	-
4	Housekeeping	-	-	-	-
5	Gardening		-	2.5	-
	Total	600	-	20.5	-

Industrial Water Demand and Effluent Generation:

S.No.	Uses	Water requirement [KLD]	Effluent Generation [KLD]
1	Industrial Process	1.0	0.7
3	Miscellaneous Purpose	4.0	0
	Total	5.0	0.7

Solid waste details:

S.No.	Waste Detail	Quantity Generation	Utilization/Disposal
1	Used/spent oil from DG set [Category5.1]	150L/Annum	Handed over to authorized recyclers/re-processors
2	ETP sludge [Category 35.3]	150Kg/Annum	Handed over to authorized recyclers/re-processors
3	Empty barrels /liners/containers contaminated with hazardous wastes/ chemicals [Category 33.1]	1500 Nos./Annum	Handed over to authorized recyclers/re-processors
4	Contaminated cotton Rags or other cleaning materials [Category 33.2]	100 Kg/Annum	Handed over to authorized recyclers/re-processors

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 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.

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

Proposal – 5

Online proposal No.	SIA/UK/INFRA2/429291/2023
Name of the Project	Proposed expansion of existing hospital facility at Plot No. 18, Haridwar Road, Shastri Nagar, Dehradun.
Name & Address of Proponent	M/s Arihant Hospital (A unit of Arihant Advance Surgical & Fertility Centre) by Shri Indraveer Rana (Hospital Administrator)
Whether New/Expansion Project	New
Total Plot Area	1,540.00 m^2
Project Category	8(a) enlisted in project /activity as per EIA Notification, 2006

The project wassubmitted vide proposal no SIA/UK/INFRA2/429291/2023on dated 15thMay, 2023by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed expansion of existing hospital facility. The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm M/s Rian Enviro Pvt. Ltd. and project was presented by Shri Sumit Verma, FAE.** The details of the project are as follows:-

S.No	Parameters	Description		
1.	Products and quantity	**S. No.**	**Equipment**	**Capacity (Nos.)**
		1	Nos. of Hospital Beds (Existing)	49
		2.	Nos. of Hospital Beds (Proposed)	51
			Total	**100**
2.	Estimated Project Cost	6.0 Cr.		
3.	Total Plot Area	1540.00 Sq. m		
4.	Existing Green Area			
5.	Proposed Green Area	510 Sq. m (Outside Premises)		
6.	Fresh Water Consumption	51.75 KLD		
7.	Fresh Water Source	Borewell		
8.	Power Demand	83 KVA		
9.	Power back up	200 KVA (One DG Set)		
10.	Wastewater Management	Existing ETP (Capacity – 5.0 KLD) Augmented STP (Capacity – 75.0 KLD)		
11.	Steam and heating system			
12.	Fuel Consumption	HSD		

Land use details:

S.No	Parameters	Description
1.	Ground Coverage	45%
2.	Road and Paved area	
3.	Parking area	836.86 Sq. M
4.	Green Area	
5.	Switchyard [OTS]	
6.	Future Expansion Area	
	Total Plot Area	**1540.0Sq.m**

Raw material details:

S.No	Major Raw Material	Avg. consumption Kg per Annum	Source	Mode of Transport
1.	–	–	–	–

Domestic Water Demand and Effluent Generation:

S.No.	Uses	Population/ area	Consumption rate	Water requirement [KLD]	Domestic Effluent [KLD]
1	Domestic uses [drinking, sanitation]			51.50	41.20
2	Flushing water			22.25	22.25
3	Canteen Facility				
4	Housekeeping				
5	Gardening				
	Total			**73.75**	**63.45**

Industrial Water Demand and Effluent Generation:

S.No.	Uses	Water requirement [KLD]	Effluent Generation [KLD]
1	Process – Boiler, Washing		
2	Cooling Tower make up		
3	Laboratory		
4	APC devices [Fume scrubber]		
5	Rejects from Water Treatment		
6	CLINICAL/FLOOR MOPPING/WASHING	1.25	1.25
	Total	**1.25**	**1.25**

Solid waste details:

S.No.	Waste Detail	Quantity Generation	Utilization/Disposal
1	ETP sludge [Category 35.3]	0.1 MTPA	Sent To TSDF
2	Empty barrels /liners/containers contaminated with hazardous wastes/ chemicals [Category 33.1]	10 Nos./Year	Authorized Recycler
3	Used Oil [Category 5.1]	100 Lit/Annum	Authorized Recycler

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

- The Project proponent has already submitted approved plan for hospital building from MDDA. 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 install organic waste composter
- Project Proponent shall sign an MoU with authorized CBWTF for picking Bio Medical waste.
- 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.
- The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- 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 continous 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 1 DG set of 200 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 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 75 KLD shall be installed for treating waste water upto tertiary level. Sewage Treatment Plant shall be complying with parameters of CPCB/UKPCB

guidelines. Treated water should be used for flushing, green belt development, road washing, 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.
- No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)
- The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection)Act 1986, Hazardous and other Wastes (Management and Tranboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.
- Project Proponent will operate on the principle of zero liquid discharge.
- Project Proponent will submit water balance chart especially in relation to maintaining zero liquid discharge.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- 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.

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

Proposal – 6

Online proposal No.	SIA/UK/INFRA2/429410/2023
Name of the Project	Existing RBM Screening Plant having capacity of 200 TPD along with 250 KVA DG set at Khasra No.228 Mi, Village Fatehpur Tanda, Resham Majiri, Tehsil – Rishikesh, District – Dehradun
Name & Address of Proponent	M/s Himalayan Screening by Shri Harbhajan Singh(Proponent)
Whether New/Expansion/ Modernization Project	New
Total Plot Area	0.4050 Ha.
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)

The project was submitted vide proposal no SIA/UK/INFRA2/429410/2023 on dated 16th May, 2023by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Existing RBM Screening Plant having capacity of 200 TPD along with

250 KVA DG set. The committee observed that this project activity is covered under Orange Category as per the Doon Valley Notification 1989 (as amended). The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm M/s Rian Enviro Pvt. Ltd. and project was presented by Shri Sumit Verma, FAE.** The details of the project are as follows:-

S.No	Parameters	Description
1.	Products and quantity	RBM 250 TPD
2.	Estimated Project Cost	3.20 Cr.
3.	Total Plot Area	4050.00 Sq. M.
4.	Proposed Green Area	1337.0 Sq. m
5.	Proposed Green Area	1337.0 Sq. m
6.	Fresh Water Consumption	8.0 KLD
7.	Fresh Water Source	Borewell
8.	Power Demand	900KVA
9.	Power back up	DG Set 1000 KVA (01 No.)
10.	Wastewater Management	Sewage: 0.24KLD (Septic tank/soak Pit).
11.	Steam and heating system	
12.	Fuel Consumption	HSD

Land use details:

S.No	Parameters	Description
1.	Ground Coverage	
2.	Road and Paved area	
3.	Parking area	
4.	Green Area	1337.0 Sq. m
5.	Switchyard [OTS]	
6.	Future Expansion Area	
	Total Plot Area	4050.00 Sq. M.

Raw material details:

S.No	Major Raw Material	Avg. consumption per month	Source	Mode of Transport
1.	RBM	75000 MTPM	Open Market	Road

Domestic Water Demand and Effluent Generation:

S.No.	Uses	Population/ area	Consumption rate	Water requirement [KLD]	Domestic Effluent [KLD]
1	Domestic uses [drinking, sanitation]	10		0.30	0.24
2	Flushing water				
3	Canteen Facility				
4	Housekeeping				
5	Gardening	1337.0 Sq. m		5.00	
6	Dust Suppression	4050.00 Sq. M.		2.70	
7	Washing				
	Total			8.00	0.24

Industrial Water Demand and Effluent Generation:

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

Solid waste details:

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

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

- The Project proponent has informed in his presentation that the actual distance of the project site from the bank of Song river is 250 meters & no other perennial river falls within 500 meters of the said project.
- Govt. of Uttarakhand has issued G.O. in favour of this project vide its letter No- 2238 dated- 29.09.2021 which is valid for 10 years, the present E.C. will remain co-terminus with the duration of the Govt. G.O. In future if extension/renewal is provided by the Govt. then the current E.C. will be co-terminus with the extended/renewed G.O.
- Project Proponent shall ensure compliance of CER activity through any Govt. Organization.
- The Project proponent has assured that he will use new and most advanced machineries, which are efficient to minimize air and noise pollution.
- The Project proponent has assured that they will ensure 3 layered plantation on the periphery of the premises.
- The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- The unit should properly provide covered processing area for control of fugitive emission.
- The unit should provide ducting and scrubbing system in cover shed to arrest dust as per State Policy, 2021.
- The unit should provide pucca drain for wastewater conveyance to settling tank.
- The unit shall provide proper overflow system in settling tank.
- The unit should provide proper water sprinklers with sufficient pressure as per State Policy, 2021.
- The unit should install interlock system for air pollution control device and process.
- The unit should expedite to construct brick wall of sufficient height. The unit should provide adequate green belt as per State Policy 2021. Till the adequate growth of plants, the unit may provide other alterative arrangement for fugitive emission control.
- The unit should provide complete metaled road as per State Policy, 2021.
- The unit should maintain proper log book of fresh water consumption.
- Project Proponent shall install solar lights on the periphery of its premises.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit fortnightly reports pertaining to ambient air quality, and quarterly report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it. The reports pertaining to ambient air quality shall be submitted before 10th day of every month and the reports pertaining to ground water quality and noise shall be submitted before 10th day of every fourth month to SEIAA.
- The Project proponent will install advanced dust suppression system at the project site.
- The Project Proponent shall develop multi layered green belt around the periphery of the plant. The green belt thus developed should be on more than 10 percent of the project area. The project proponent will develop additional green belt in the surrounding areas to complete the requirement of 33% green belt of the project area. The project proponent shall plant fast growing species such as bamboo in the premises.
- The Project proponent shall plant fast growing species on both the sides of road connecting from the project premises to main road.
- The project proponent shall submit the NoC from CGWB for utilization of ground water.
- The project proponent shall undertake rainwater harvesting activities in the surrounding villages preferably in the schools, primary health centers in consultation with local authorities.
- Barricading (boundary) of at least 20 feet height around the project site shall be constructed by the project proponent.
- The Proponent shall ensure installation of water sprinklers within the premises to prevent dust hazards.

- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- All the vehicles being used for transportation from the Screening Plant should have a valid pollution under control certificate.
- The Project proponent shall submit dust emission dispersion modeling to SEIAA on yearly basis from Government recognized institution/NABET approved consultant.
- The project proponent shall ensure maintenance of the approach road.
- The project proponent is allowed to run the plant only during day time. The plant running hour shall not be more than 10 hours in a day.
- The Project Proponent shall obtain CTE/CTO from UKPCB prior to operation of the plant.
- 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 guidelines issued for Screening Plant by MoEF&CC, CPCB and UKPCB as amended from time to time.
- The Project Proponent shall follow directions/orders issued by Hon'ble High Court/NGT/ Supreme Court with respect to establishment of Screening Plant or on issues pertaining to pollution by Screening Plant.
- 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.

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

Proposal – 7

Online proposal No.	SIA/UK/INFRA2/429427/2023
Name of the Project	Operation of existing hotel facility "The Prominence" under violation at Khasra no. 327 min, MauzaBagralGaon, Pargana Central Doon, Tehsil and District Dehradun
Name & Address of Proponent	M/s S.A Anand & Associates situated by Shri Anand Singh Chauhan (Partner)
Whether New/Expansion Project	New
Total Plot Area	800.54 m^2
Project Category	8(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/429427/2023on dated 16th May, 2023by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed construction of integrated office complex Green Building. 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 Rian Enviro Pvt. Ltd. and project was presented by Shri Sumit Verma, FAE.** The details of the project are as follows:-

S.No	Parameters	Description
21.	Plot Area	800.54 Sq. m
22.	Proposed Built Up Area	Total Covered Area of All Floors for F.A.R. (Sq. m) - 909.00 Sq. m Total Covered Area of All Floors for D.C.(Sq. m)- 1831.35 Sq. m
23.	Total no of Hotel Rooms	35
24.	Total EWS Unit	
25.	Max Height of Building (Upto Terrace)	12m
26.	Max No of Floors	G+4
27.	Cost of Project	3.65 Cr.
28.	Expected Population	161 (including the staff/visitors)
29.	Proposed Ground Coverage Area	45%
30.	Proposed FAR	1.26
31.	Total Water Requirement	19.0KLD
32.	Fresh water requirement	13.0 KLD
33.	Waste water Generation	16.0 KLD
34.	Proposed STP Capacity	20.0 KLD
35.	No of RWH of Pits Proposed	1 Pit.

36.	Total Proposed Parking	
37.	Proposed Green Area (10.00% of Plot Area)	80.0 Sq.m (Outside)
38.	Municipal Solid Waste Generation	75.0 Kg/Day
39.	Total Power Requirement	125 KVA
40.	DG set backup	82.5 KVA (01 No.)

Salient features details:

S.No	Parameters	Description
GENERAL		
1.	Plot Area	800.54 Sq. m
2.	Proposed Built Up Area	909.00 Sq. m
3.	Number of Building Blocks	1
4.	Total no of Hotel rooms	35
5.	Max Height of Building (Upto Terrace)	12.0m
6.	Max No of Floors	G+4
7.	Cost of Project	3.65 Cr.
8.	Expected Population	161 (including the staff/visitors)
9.	Permissible Ground Coverage	
10.	Proposed Ground Coverage	45%
11.	Permissible FAR Area	
12.	Proposed FAR Area	1.26
13.	Proposed NoN FAR Area	
14.	Proposed Built Up Area	909.00 Sq. m
WATER		
15.	Total Water Requirement	19.0 KLD
16.	Fresh water requirement	13.0 KLD
17.	Waste water Generation	16.0 KLD
18.	Proposed STP Capacity	20.0 KLD
19.	Treated Water Available for Reuse	16.0 KLD
20.	Recycled Water	6.0 KLD
21.	Surplus Treated water	6.0 KLD
RAIN WATER HARVESTING		
22.	Rain Water Harvesting Potential	9.42 m3
23.	No of RWH of Pits Proposed	1
PARKING		
24.	Total Parking Required as per building Bye Laws	20.63 ECS
25.	Total Proposed Parking	35.83 ECS
26.	Proposed Surface Parking	9.59 E.C.S.
27.	Proposed Stilt/Podium Parking	9.59 E.C.S.
28.	Proposed Basements Parking	23.98 E.C.S.
GREEN AREAS		
29.	Required Green Area	
30.	Proposed Green Area	80.00 Sq. m (Outside Premises)
WASTE GENERATION		
31.	Municipal Solid Waste Generation	75 Kg/Day
32.	Bio Degradable waste	45 Kg/Day
33.	Quantity of Sludge Generated from STP	
POWER		
34.	Total Power Requirement	125 KVA
35.	DG set backup	82.5 KVA (01 No.)

Land use details:

S.No	Parameters	Description
6.	Ground Coverage	45%
7.	Green Area	80.0 Sq. m
8.	Road/Paved Parking Area	268.47
9.	Other Open Area	51.87
10.	Total Plot Area	800.54

The Committee examined the revised proposal and presentation made by the consultant wherein he informed that they have made violation by doing construction work-

- The Project proponent has submitted approval of hotel buildings from MDDA. In case of any further change in the proposed layout plan of the Hotel drawing the Project Proponent shall inform the SEIAA and shall seek modified Environmental Clearance.
- 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.
- The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- 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 continous 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 1 DG set of 82.50 KVA and 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 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 20 KLD shall be installed for treating waste water upto tertiary level. Sewage Treatment Plant shall be complying with parameters of CPCB/UKPCB guidelines. Treated water should be used for flushing, green belt development, road washing, 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.
- No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)
- The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection)Act 1986, Hazardous and other Wastes (Management and Tranboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.
- Project Proponent will operate on the principle of zero liquid discharge.
- Project Proponent will submit water balance chart especially in relation to maintaining zero liquid discharge.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- 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 project proponent has submitted a letter issued by Ashish Goyal and associates, Chartered Accountant dated- 27-04-2023 which mentions that the cost incurred on the project so far is Rs3,65,00,000.00 (Three Crore Sixty FiveLakh only).
- Since the project proponent has suo-moto reported the violation hence, the penalty applicable is 0.5% of the project cost incurred till date, thus the total amount of the penalty is calculated to be Rs1,82,500.00 (One Lakh Eighty Two Thousand Five Hundred Only). This non-refundable amount has been deposited by the project proponent vide DD No-028581 dated- 24.05.2023 ofCanara Bank in the account of Member Secretary, UttarakhandPollution Control Board.
- The Project Proponent has also submitted the budgetary allocation pertaining to remediation plan and natural and community resource augmentation plan which is as follows-

S.No.	Description	Amount(Rs.)
1	Cost estimate for natural resource augmentation plan	1,00,000/-
2	Community resource augmentation plan	1,75,000/-
3	Total cost related to environmental degradation and it's remediation	3,05,000/-
	Total (Rs.)	**5,80,000/-**

The Project Proponent shall give a bank guarantee equivalent to the above amount with the State Pollution Control Board before the next meeting of SEIAA. This bank guarantee will be refundable to the Project Proponent after submitting evidences pertaining to implementation of the remediation plan and natural and community resource augmentation plan.

Based on above observations and subject to conditions (**Annexure-2**), 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/405954/2022
Site Details	Proposed Extraction of Soapstone at Village-Khuldaudi, Tehsil& District- Bageshwar.
Name & Address of Proponent	Shri Lalit Mohan Joshi S/o Shri Mahesh Chandra Joshi R/o Tehsil Road, Bageshwar.
Coordinates	Latitude- 29°52'32.93"N to 29°52'32.83"N Longitude- 79°48'35.00"Eto 79°48'32.89"E
Mining Lease Area	4.994 Ha.
Category	B2& 1(a) enlisted in project /activity as per EIA Notification, 2006. But as per notification O.M No- F.No.L-11011/175/2018-IA-II(M) dated-12-12-2018, the project has been screened in to category B1 (cluster formation of >5 Ha with in 500 meter periphery of concerned mine).

The project was submitted vide proposal no SIA/UK/MIN/405954/2022 on dated 10th November, 2022 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).As per the MoEF&CC No- 3181 dated- 14-08-2018 the project fall in B2. But according to latest O.M of MoEFF&CC Impact Assessment Division's O.M No- F.No.L-11011/175/2018-IA-II(M) dated-12-12-2018 the following mining project is falling in B1 category because there are other mine leaseswhich are within the aerial distance of 500 meter of the above mining site. 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-3)** 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/425821/2023
Site Details	Proposed Extraction of Soapstone at Village-Dhunga (Mitardhai), Tehsil& District- Bageshwar.
Name & Address of Proponent	Shri Harish Chandra Upreti S/o Shri Vindeshwari Prasad Upreti, Address- R/oAmrawati Colony-2 TalliBamori, Haldwani, District- Nainital
Coordinates	Latitude- 29°48'19.72"N to 29°48'16.80"N Longitude- 79°48'25.75"Eto 79°48'33.13"E
Mining Lease Area	9.708 Ha.
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006.

The project was submitted vide proposal no SIA/UK/MIN/425821/2023 on dated 12th April, 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 Cognizance Research India Pvt. Ltd. and project was presented by Shri Ankur Sharma, Managing Director& EIA Coordinator.**

Hence, committee agreed to recommend **ToR (Annexure-3)** 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 – 3

Online proposal No.	SIA/UK/MIN/425821/2023
Site Details	Proposed Extraction of Soapstone at Village-Karuli,Tehsil &District-Bageshwar.
Name & Address of Proponent	M/s Khetwal Mines KaruliAddress-Village-Karuli,Tehsil&District-Bageshwar.
Coordinates	Latitude- 29°52'3.41"N to 29°52'3.49"N Longitude- 79°49'36.23"Eto 79°49'39.38"E
Mining Lease Area	4.116 Ha.
Category	B2& 1(a) enlisted in project /activity as per EIA Notification, 2006. But as per notification O.M No- F.No.L-11011/175/2018-IA-II(M) dated-12-12-2018, the project has been screened in to category B1 (cluster formation of >5 Ha with in 500 meter periphery of concerned mine).

The project was submitted vide proposal no SIA/UK/MIN/425941/2023 on dated 13th April, 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). As per the MoEF&CC No- 3181 dated- 14-08-2018 the project fall in B2. But according to latest O.M of MoEFF&CC Impact Assessment Division's O.M No- F.No.L-11011/175/2018-IA-II(M) dated-12-12-2018 the following mining project is falling in B1 category because there are other mine leaseswhich are within the aerial distance of 500 meter of the above mining site. The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP.**Project was prepared by Accredited consultancy firm Cognizance Research India Pvt. Ltd. and project was presented by Shri Ankur Sharma, Managing Director & EIA Coordinator.**

Hence, committee agreed to recommend **ToR (Annexure-3)** 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.

(Shri S.S. Bisht)	(Dr. A.K. Minocha)	(Dr. Ashutosh Gautam)	(Dr. B.P. Purohit)
Chairman, SEAC	Member, SEAC	Member, SEAC	Member, SEAC

(Shri Nitish Mani Tripathi)
Member Secretary, SEAC

Annexure-1

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.

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Annexure-2

1.1. Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site

1.2. No further expansion or modifications in the plan shall be carried out without the prior approval of competent authority.

1.3. The Site Lay out plan and Building plan should have been approved by the concerned Department/Agency of the State Government before work start up at the construction site. The structural design and other aspects of the building shall comply with guidelines of National Building Code. This shall be ensured by concerned Department of State Government/Accredited Agencies

1.4. The building plan and structural design shall comply with requirements of Seismic Zone – IV as outlined in National Building Code

1.5. The topsoil excavated during construction work shall be used for backfilling/landscape development/green belt development. The same shall not be disposed off outside the boundaries of project site without approval of Competent Authority

1.6. The onsite levelling and dressing should ensure minimal vegetation clearing and soil erosion. If necessary organic mulching should be done to avoid soil erosion. There shall not be any felling of green trees for the purpose of this project

1.7. The disposal of muck should adhere to standards of general safety and health concerns of local people and also it should have no adverse effect on the neighbouring community. The muck shall not be disposed off in adjoining forest areas without meeting requirements of Forest (Conservation) Act, 1980.

1.8. Temporary storage units should be erected in the construction site and transportation of construction materials shall be restricted to non-peak hours. The dust pollution shall be suppressed by regular water sprinkling

1.9. The use of ready mixed concrete/premised concrete, curing agents and other such practices shall be adopted to minimize use of water on site

1.10. All stacking and loading areas should be provided with proper garland drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials must not be allowed to contaminate watercourse and dumpsites as such materials leach into ground water.

1.11. The water requirement during construction phase shall be met from regular water supply/private tankers. There shall be no extraction of ground water and water requirement for the project in operational phase shall be met entirely from private tankers. Construction work requiring water shall not be carried out during 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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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 areashould 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 givenwith 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 EnvironmentPolicy approved by its Board of Directors? If so, it may be spelt out in the EIA Report withdescription 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.

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 asmangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would alsoneed 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

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.