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

Letter No: 29/SEAC Dated: 03 July, 2023

The 10th meeting of the Uttarakhand State Level Expert Appraisal Committee (SEAC) was held on 3rd July, 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), Common Municipal Solid Waste Management Facility (CMSWMF) 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/IND1/406895/2022
Name of the Project	Proposed installation of RBM Screening Plant having capacity of 100 TPH at Khasra No-36/1/3, 36/1,36/4, 36/1/3/3, Khata No 377, Village- Kainchiwala, Atakfarm Selaqui Via Rampur, Chakrata Road Dehradun.
Name & Address of Proponent	M/s Luxmi Screeners by Shri Mukul Aggarwal (Partner)
Whether New/Expansion/ Modernization Project	New
Total Plot Area	1.426 Ha.
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 &2020)

The project was submitted vide proposal no SIA/UK/IND1/406895/2022 on dated 18th November, 2022 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed installation of RBM Screening Plant having capacity of 100 TPH. 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.

Neither the project proponent nor the consultant turned-up for the presentation on designated date and time beside this, they did not inform the reason for not attending the meeting. Hence, the proposal is proposed for rejection by the committee.

Proposal - 2

	SIA/UK/INFRA2/431848/2023
Name of the Project	Proposed Residential Group Housing Project under Pradhan Mantri AwasYojana, Urban at Village- Baghwala, Tehsil- Rudrapur, District- Udham Singh Nagar
Name & Address of Proponent	M/s Aakar Architects
Whether New/Expansion Project	New
Total Plot Area	39220.00 m ²
Total Build up Area	62186.32 m ²
Project Category	8(a) enlisted in project /activity as per EIA Notification, 2006

monoch

Jeer

R

38ms The

The project was submitted vide proposal no SIA/UK/INFRA2/431848/2023on dated 1st June, 2023by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Residential Group Housing Project under Pradhan Mantri AwasYojana, Urban. The proponent has submitted detailed project related information in Form 1, Form 1-A, Conceptual Plan. Project was prepared by Accredited consultancy firm Cognizance Research India Pvt. Ltd. and project was presented by Shri Ankur Sharma, Managing Director& EIA Coordinator. The details of the project are as follows:-

S.No	Parameters	Description
1.	Plot Area	39220 square meters
2.	Proposed Built Up Area	62186.32 square meters
3.	Total no of Saleable DU's	1872
4.	Total EWS Unit	1872
5.	Max Height of Building (Upto Terrace)	12.00 meters
6.	Max No of Floors	4
7. Cost of Project		Rs. 130,46./- (One Hundred twelve crores thirty-two lacs only)
8.	Expected Population	10,764
9.	Proposed Ground Coverage Area	42.33
10.	Proposed FAR Area	1.61
11. Total Water Requirement		1284 KLD
12. Fresh water requirement		849.42 KLD
13. Waste water Generation		435.00 KLD
14.	Proposed STP Capacity	1100 KLD
15.	No of RWH of Pits Proposed	1
16.	Total Proposed Parking	3656 Square meters
17.	Proposed Green Area (10% of Plot Area)	3871.09 Square meters
18.	Municipal Solid Waste Generation	4937 kg
19.	Total Power Requirement	1212 KVA
20.	DG set backup	0

Salient features details:

S.No	Parameters	Description	
GENERA	L		
1.	Plot Area	39220 square meters After road widening = 38701 square meters	
2.	Proposed Built Up Area	62186.32 square meters	
3.	Number of Building Blocks	23	
4.	Total no of Saleable DU's	1872	
5.	Max Height of Building (Upto Terrace)	12.00 meters	
6.	Max No of Floors	4 floors	
7.	Cost of Project	Rs. 112,32,00,000/- (One Hundred twelve crores thirty-two lacs only)	
8.	Expected Population	10,764	
9.	Permissible Ground Coverage Area (@50%)	19610 square meter	
10.	Proposed Ground Coverage Area	16382.74 square meter (42.33%)	
11.	Permissible FAR Area (@2.00)	78440 square meter	
12.	Proposed FAR Area	62186.32 square meter (1.61)	
13.	Proposed NoN FAR Area	3344.64 sqmt	
14.	Proposed Built Up Area	65530.96square meters	
WATER			
15.	Total Water Requirement	1284 KLD	
16.	Fresh water requirement	849.42 KLD	
17.	Waste water Generation	435.00 KLD	
18.	Proposed STP Capacity	1100 KLD	
19.	Treated Water Available for Reuse	1027 KLD	
20.	Recycled Water	455 KLD	
21.	Surplus Treated water	572KLD	
RAIN WA	ATER HARVESTING		
22.	Rain Water Harvesting Potential		
23.	No of RWH of Pits Proposed	1	
PARKING	3		
24.	Total Parking Required as per building Bye	Parking as per Approved plans	

homoely

July

or.

2 July

	Laws	
25.	Total Proposed Parking	234 ECS
26.	Proposed Surface Parking Open surface parking	
27.	Proposed Stilt/Podium Parking No Stilt parking is pro	
28.	Proposed Basements Parking	No basement proposed
GREEN	AREAS	
29.	Required Green Area	
30.	Proposed Green Area (10% of Plot Area) 3871.09 Square meters	
WASTE	GENERATION	
31.	Municipal Solid Waste Generation	4937 kg
32.	Bio Degradable waste	
33.	Quantity of Sludge Generated from STP	
POWER		
34.	Total Power Requirement	1212 KVA
35.	DG set backup	Not Proposed

Land use details:

S.No	Parameters	Description
1.	Ground Coverage Area	16382.74 Sqmt
2.	Green Area	3871.09 Sq Mt
3.	Road/Paved Parking Area	3228.31 Sq Mt
4.	Other Open Area	15737.86
5.	Total Plot Area	39220

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 approval of Residential buildings from DDA vide file no- 39/USN-0005/2023 dated- 26.05.2023. In case of any further change in the proposed layout plan of Project the Project Proponent shall inform the SEIAA and shall seek modified Environmental Clearance.
- The Project proponent shall submit solid waste disposal plan and agreement with the nearest disposal site & shall provide a dedicated vehicle for the transportation of solid waste from site to disposal facility.
- The Project proponent shall earmark specific area for garbage collection.
- The Project proponent shall submit certificate pertaining to empanelment of structural engineer by competent authority.
- The Project proponent shall submit permission from competent authority for supply of water after construction of the project.
- The Project proponent shall develop green belt within the premises and on the approach road to comply with the 33% green area norms.
- The project proponent shall 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.
- 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.

homous

Sieg

D

is Show youth

- The use of glass may be reduced by upto 40 percent to reduce the electricity consumption and load on air conditioning. If necessary then use of high quality double glass may be encouraged with special reflective coating in windows.
- The use of LED and such other power saving devices shall be maximized. Common areas
 and landscape areas shall be illuminated with solar lighting system. At least 40 percent of
 the total power requirement after completion of construction unit shall be met from solar
 energy.
- Rainwater harvesting for roof top and surface run off should be ensured as per the plan submitted. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles. The bore well for rain water recharging should be kept at 5 meters above the highest ground water table.
- The construction debris may be used for land fill or disposed through authorized vendors.
 The Hazardous substances generated during construction activity shall be disposed off as
 required by Hazardous Waste (Management, Handling) Rules, 1989 (as amended from
 time to time). Efforts shall be maximized for use of low toxicity substitutes and low VOC
 materials.
- The vehicles used at the construction site should comply with emission norms and noise level standards of CPCB and State Transport Department. They should be operated only during non peak hours.
- All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid
 facility shall be established and trained manpower to deal with emergency cases shall be
 engaged. The labour force engaged on site shall be screened for health from time to time.
- Adequate drinking water and sanitation facility has to be provided on site for the workforce.
 Provision should be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.
- The entire site after construction activities should carry signages of garbage collection points, environment awareness etc.
- The proponent shall ensure safety measures against river meandering. It shall also undertake river meandering study in the locality and then construct suitable protective structures for river training
- Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- All workers working at the construction site and involved in loading, unloading carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- A first aid room shall be provided in the project both during construction and operations of the project.
- The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent the record shall be submitted to the Regional office, MoEF&CC, 25 Subhash Road, Dehradun and SEIAA Uttarakhand along with six monthly monitoring reports.
- On site treatment of capacity of treating 100% waste water to be installed. The installation
 of the Sewage Treatment Plant (STP) shall be certified by an independent expert a report
 in this regard shall.
- A STP of capacity 1100 KLD shall be installed for treating waste water upto tertiary level. Sewage Treatment Plant shall be complying with parameters of CPCB/UKPCB guidelines. Treated water should be used for flushing, green belt development, road washing, and other miscellaneous purposes.
- The excess treated waste water may be transported through tankers to adjoining construction sites or industrial areas as the demand arises.
- The installation of sewage treatment plant should be certified by an independent expert and a report in this regard should be submitted to the UKPCB. Necessary measures should be made to mitigate the odour problem from STP.
- Guidelines of Municipal Solid Waste (Management & Handling) Rules, 2000 (as amended from time to time) should be followed for disposal of solid waste. Two bin collection system for bio degradable and non-bio degradable waste should be adopted. Bio degradable waste shall be sent to composting pit and non biodegradable/inert waste disposed off through authorized recyclers. STP sludge shall be dried and used as organic manure.
- Adequate parking space shall be develop for staff and guests.

 Proper restroom and toilets shall be provided for service workers, drivers & accompanying staff, if any

Monwey

fred

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-1), the committee recommended the above project for grant of Environmental Clearance.

Proposal - 3

Online proposal No.	SIA/UK/MIN/408280/2022
Site Details	Proposed Extraction of Soapstone at Village - Amjhajoo, Tehsil - Dugnakuri, District- Bageshwar.
Name & Address of Smt. Manju Bisht W/o Shri Balam Singh Bisht R/o- Village - Tehsil &Distt - Bageshwar And Shri Kailash Singh Khati Jawahar Singh Khati R/o- Village - Jhaloli, Tehsil - Somesh Almora.	
Coordinates	Pillar wise- Lat- 29°54'17.36"N to 29°54'44.73"N Long- 79°58'50.84"E to 79°59'0.68"E
Mining Lease Area	5.794 Ha.
Category B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006	

The project was submitted vide proposal no SIA/UK/MIN/408280/2022 on dated 28th November,2022 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was granted by the SEAC in its meeting dated- 08.11.2021, the ToR letter was issued vide letter No.-260/SEAC dated-11.11.2021 and the public hearing was conducted on dated- 05.05.2022. The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc.

The project proponent has requested SEAC vide his Email dated- 01.07.2023 to defer this proposal as the project proponent is unable to present the case due to unavailability of updated District Survey Report (DSR) of concerned District. Hence with the permission of the chair, the committee decided to defer the project till the DSR is made available to SEIAA.

Proposal - 4

Online proposal No.	SIA/UK/MIN/408672/2022	
Site Details	Extraction of Soapstone at Village-BhauroChoppta, TokKumaldev Tehsil &Distt-Bageshwar.	
	f Smt. Khimuli Devi W/o Late Shri Harak Singh KanwalR/o- Vill-Bankhola, Dug Bazar, Tehsil & District-Bageshwar.	

homoele

find &

To Super

Coordinates	Lat - 29°51'34.56"N to 29°51'43.84"N Long- 79°50'57.08"E to 79°51'9.30"E
Mining Lease Area	2.710 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 into 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/408672/2022 on dated 30th November,2022 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). As per the gazette notification issued by 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 committee observed that the ToR was granted by the SEAC in its meeting dated- 08.07.2021, the ToR letter was issued vide letter No.-236/SEAC dated-15.07.2021 and the public hearing was conducted on dated-23.04.2022. The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc.

The project proponent has requested SEAC vide his Email dated- 01.07.2023 to defer this proposal as the project proponent is unable to present the case due to unavailability of updated District Survey Report (DSR) of concerned District. Hence with the permission of the chair, the committee decided to defer the project till the DSR is made available to SEIAA.

Proposal - 5

Online proposal No.	SIA/UK/MIN/411066/2022
Site Details	Proposed Extraction of Soapstone at Village - Sasola, Tehsil - Kanda, District- Bageshwar.
Name & Address of Proponent	Shri Ashok Pal S/o Shri Ramesh Pal R/o - AmbikaVihar, Haldwani, District-Nainital
Coordinates	Pillar wise- Lat- 29°50'04.11"N to 29°50'16.39"N Long- 79°54'15.26"E to 79°54'23.48"E
Mining Lease Area 4.752 Ha.	
Category B2 & 1(a) enlisted in project /activity as per EIA Notification, 2006	

The project was submitted vide proposal no SIA/UK/MIN/411066/2022 on dated 17thDecember,2022 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The proponent has applied with detailed project related information in Form 1, Pre Feasibility Report and EMP.

The project proponent has requested SEAC vide his Email dated- 01.07.2023 to defer this proposal as the project proponent is unable to present the case due to unavailability of updated District Survey Report (DSR) of concerned District. Hence with the permission of the chair, the committee decided to defer the project till the DSR is made available to SEIAA.

Proposal - 6

Online proposal No.	SIA/UK/MIN/411535/2022	
Site Details	Proposed Extraction of Soapstone at Village- Khuldaudi, Tehsil & District- Bageshwar.	
Name & Address of Smt. Nirmala Devi W/o Shri Narendra Singh R/o- Village - Shish Proponent Tehsil & Distt- Bageshwar.		
Coordinates	Lat- 29°52'9.51"N to 29°52'22.43"N Long- 79°47'58.45"E to 79°48'10.x"E	
Mining Lease Area	3.834 Ha.	
Category B2& 1(a) enlisted in project /activity as per EIA Notification, 2006 per notification O.M No- F.No.L-11011/175/2018-IA-II(M) dated 2018, the project has been screened into category B1 (cluster for of >5 Ha with in 500 meter periphery of concerned mine).		

Mormoely

Join

2 pm offer

The project was submitted vide proposal no SIA/UK/MIN/411535/2022 on dated 21st December,2022 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). As per the gazette notification issued by 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 committee observed that the ToR was granted by the SEAC in its meeting dated- 08.11.2021, the ToR letter was issued vide letter No.-259/SEAC dated-11.11.2021 and the public hearing was conducted on dated-02.05.2022.The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc.

The project proponent has requested SEAC vide his Email dated- 01.07.2023 to defer this proposal as the project proponent is unable to present the case due to unavailability of updated District Survey Report (DSR) of concerned District. Hence with the permission of the chair, the

committee decided to defer the project till the DSR is made available to SEIAA.

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

Proposal - 1

Online proposal No.	SIA/UK/MIN/405333/2022		
Site Details	Proposed Extraction of Soapstone at Village-Chauhana, Tehsil- District- Bageshwar.		
Name & Address of Proponent	M/s Jai Edi Golu Minerals Bageshwar(a partnership firm) by 1-Shri Rajesh Singh Bisht, 2-Shri Prem Singh Khetwal, 3-Shri Girish Singh Khetwal,4-Shri BalamSingh Rautela		
Coordinates Latitude- 29°48'19.90"N to 29°48'17.27"N Longitude- 79°42'59.07"Eto 79°42'55.51"E			
Mining Lease Area 8.925 Ha.			
Category B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006.			

The project was submitted vide proposal no SIA/UK/MIN/405333/2022 on dated 4th 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). 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-2) 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/405189/2022
Site Details	Proposed Extraction of Soapstone at Village- Bheruchaubatta, Tehsil & District- Bageshwar.
Name & Address of Proponent	M/s Jai Shri Ganganath Minerals (a partnership firm) by 1-Shri Harish Nath Goswami, 2-Shri Mohan Nath Goswami, 3-Smt. Radha Giri, 4-Shri Shivraj Banola
Coordinates	Latitude- 29°51'4.92"N to 29°51'4.45"N Longitude- 79°51'11.80"Eto 79°51'11.00"E
Mining Lease Area	3.834 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).

monoely

mil

Q,

The same

The project was submitted vide proposal no SIA/UK/MIN/405189/2022 on dated 25th June, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). 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 leases which 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-2) 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

	SIA/UK/MIN/405617/2022
Site Details	Proposed Extraction of Soapstone at Village-Dunga, Tehsil& District-Bageshwar.
Name & Address of Proponent	Shri Anand Ballabh Joshi S/o Shri Chintamani Joshi, Address- Village- Dunga, Tehsil & District- Bageshwar.
Coordinates	Latitude- 29°48'18.50"N to 29°48'20.37"N Longitude- 79°48'42.60"Eto 79°48'46.82"E
Mining Lease Area	7.971 Ha.
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006.

The project was submitted vide proposal no SIA/UK/MIN/405617/2022on dated 8th 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). 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-2) 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 -4

Online proposal No.	SIA/UK/INFRA2/431844/2023
	Proposed Common Municipal Solid Waste Management Facility (CMSWMF) at Khasra no. 1329, 1341, 1342, 3943, 4099, 4324, 4325, 4544, 4546, 4569 Village- Dimmar, Tehsil- Karanprayag, District- Chamoli.
Name & Address of Proponent	M/s Nagar PalikaParishad, Karnparyag, District- Chamoli.
Whether New/Expansion Project	New
Total Plot Area	4362.00 m ² (0.40 Ha.)
Project Category	7(i) & activity 'B1' enlisted in project/activity as per EIA Notification, 2006

umvere

Me or skin

The project was submitted vide proposal no SIA/UK/INFRA2/431844/2023 on dated 6th June, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Common Municipal Solid Waste Management Facility (CMSWMF). The proponent has submitted detailed project related information in Form 1, PFR & EMP.Project was prepared by Accredited consultancy firm Amaltas Enviro Industrial Consultant LLP. and project was presented by Dr.Dharna Tiwari, General Manager, EIA Coordinator.

The committee after going through the presentation decided that a sub-committee may visit the Karnprayag area of the proposed project site to evaluate the efficacy/suitability from environment point of view. The ToR shall be given after the site visit report of the sub-committee.

(Shri S.S. Bist) Chairman,SEAC (Dr. A.K. Minocha) Member, SEAC (Dr.AshutoshGautam) Member,SEAC

Missel

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

(Shri Nitish Mani Tripathi) Member Secretary, SEAC 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

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

.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. Fixtures of showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices/sensor based control. Dual plumbing system shall be

installed separately for fresh water and waste water.

1.14. The use of glass may be reduced by upto 40 percent to reduce the electricity consumption and load on air conditioning. If necessary then use of high quality double glass may be encouraged with special reflective coating in windows.

1.15. The use of LED and such other power saving devices shall be maximized. Common areas and landscape areas shall be illuminated with solar lighting system. At least 10 percent of the total power requirement after completion of construction unit shall be met from solar energy.

1.16. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, 2006 which is proposed to be mandatory for all air-conditioned spaces while non air-conditioned spaces should have appropriate thermal insulation materials. The U values of the roof, external wall and fenestration shall also meet specifications of ECBC, 2006.

1.17. Rainwater harvesting for roof top and surface run off should be ensured as per the plan submitted. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles. The bore well for rain water recharging should be kept

at 5 metres above the highest ground water table

1.18. The storm water management shall be so designed as to avoid discharge of water directly to the forest areas/adjoining locality which may lead to water logging in nearby areas. The storm water shall be put to use for recharging of aquifers and also pond creation within the campus

1.19. One third of the total project site area shall be converted into green belt. The green belt shall not include kitchen garden, flower pots and grasses/herbs in the area. It shall comprise of

homoey

July

D

is in the

tree stand of aesthetic/fruit/timber value. Quality planting material has to be used during

plantation as per standards of State Forest Department.

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

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

Authority from time to time.

1.22. The vehicles used at the construction site should comply with emission norms and noise level standards of CPCB and State Transport Department. They should be operated only during

non peak hours.

1.23. All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time.

1.24. Adequate drinking water and sanitation facility has to be provided on site for the workforce. Provision should be made for supply of domestic fuel to the workforce so that they do

not remain dependent on adjoining forest areas for fuel wood.

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

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

1.27. The entire site after construction activities should carry signages of garbage collection

points, environment awareness etc.

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

take outside the premises for any uses.

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

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

contamination.

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

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

1.33. The project proponent shall ensure compliance to provisions of the all Acts, Rules,

Regulations and Guidelines from time to time in force, as applicable to the project.

1.34. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.

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

 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.

 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).

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.

homous

10000

is him

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.

) 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

Mound

fried

R

approximate the same

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

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

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.

Project Proponent shall carry out detailed investigation on impact of the mining activity on the tourist activity and the aquatic bio-diversity.

Monroers

- 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.
- 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.
- 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
- 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.

Monocie

3 She wife