

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

Letter No: **12** / SEAC
Dated: **02**, March, 2023

The Second Day of the 4th meeting of the Uttarakhand State Level Expert Appraisal Committee (SEAC) was held on 2nd March, 2023 at the SEIAA/SEAC office Dehradun. The following were present at the meeting –

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

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

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

Proposal – 1

Online proposal No.	SIA/UK/IND/83128/2022
Name of the Project	Proposal for Aluminium Coil Coated – 200 Metric Tons per month at Khasra No. 71GH & 71D (old no.1388), Village-Chharba, Langha Road, Industrial Area, Sahaspur, Dehradun.
Name & Address of Proponent	M/s Alstone Manufacturing Pvt. Ltd. by Shri Pankaj Sharma (Manager)
Whether New/Expansion/Modernization Project	New
Total Plot Area	2987.77 m ²
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)

The project was submitted vide proposal no SIA/UK/IND/83128/2022 on dated 24th September, 2022 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposal for Aluminium Coil Coated – 200 Metric Tons per month. The committee observed that this project activity is covered under Orange Category as per the Doon Valley Notification 1989 (as amended). The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm Enviro Infra Solutions Pvt. Ltd. and project was presented by Shri Sanjeev Sharma, Director.** The details of the project are as follows:-

S.No	Parameters		Description			
1	Name of the Project		Alstone Manufacturing Pvt. Ltd.			
2	Production Capacity		Coated Aluminium Coil – 200 Metric Tons per month			
3	Total Plot Area		Area – 2987.77 m ²			
4	Proposed Site Location		Khasra No. 71GH & 71D (old no.1388) Village ChharbaLangha Road. Industrial Area Sahaspur, Dehradun			
5	Coordinates of Project site		Geographical Location of Project Area is at: Latitude – 30° 25' 12.83" N Longitude – 77° 47' 29.85" E			
6	Water Requirement (KLD)		7 KLD			
7	Source of Water		Borewell			
8	Waste Management water generation	Water Waste	Use of Water	Water requirement	Waste water generation	Mode of Disposal

	Mode of Disposal	From Process	5 KLD	4.5 KLD	ETP
		Domestic	2 KLD	1.8 KLD	Septic tank and soak pit
9	Solid waste Generation & Disposal	Aluminium Scrap & Packing Material (approx. quantity will be 2MTA.		Solid Waste will be sold to a Recycler.	
10	Hazardous Waste Generation & Disposal	Used Oil		To be Sent registered recycler	
		ETP Sludge		To be Sent TSDF	
		Empty Container		To be Sent TSDF	
11	E-Waste	E-Waste will be disposed off as per norms whenever generated in the unit.			
12	Green Area Development	About 436.81 sqm area is already reserved for green belt development			
13	Total Manpower	40 Number			
14	Electricity/Power requirement	100 KVA			
15	Alternate Power Source	D.G. Set of 250 KVA x 1nos			
16	Utilities	D.G. Set, ETP, Septic tank and Soak Pit.			
17	Land form, Land use and land ownership	Plain and flat land having Industrial use situated in Village Chharba Langha Road, Industrial Area, Sahaspur, Dehradun. The land is hired on lease by the promoters.			
18	Project cost	452.88 Lacs			
19	Corporate Environment Responsibility (CER)	7lacs			

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 shall not carry out any degreasing/surface treatment activity during the manufacturing process.
- 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.
- **DG set of upto 125 KVA is permitted.** 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.

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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 – 2

Online proposal No.	SIA/UK/INFRA2/404643/2022
Name of the Project	Proposed Integrated Manufacturing Cluster (IMC) under Amritsar Kolkata Industrial Corridor Project at Village-Khurpia, Bandiya, Deoria, Gauri Kalan & Bhooragauri, Tehsil-Kichha, Dist-Udham Singh Nagar.
Name & Address of Proponent	M/s State Infrastructure and Industrial Development Corporation of Uttarakhand Ltd. (SIIDCUL), 29-IIE, I.T. Park, Sahasthradara Road, Dehradun.
Whether New/Expansion/Modernization Project	New
Total Plot Area	405.7300 Ha. (1002.15 Acres)
Project Category	"B1" & 8(b) Township and Area Development Projects as enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/404643/2022 on dated 29th October, 2022 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Integrated Manufacturing Cluster (IMC) under Amritsar Kolkata Industrial Corridor Project. **The committee considered the proposal after EIA/EMP & Public Hearing.** The committee observed that the ToR was issued by the SEAC in the meeting vide no- 238/SEAC dated- 07.08.2021 & the ToR letter was issued vide letter No.-239/SEAC dated- 07.08.2021. 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.

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Project was prepared by Accredited consultancy firm Building Environment (India) Pvt. Ltd and project was presented by Shri Vivek Kulkarni, EIA Coordinator & In-House Expert.

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	Name of the Project	Integrated Manufacturing Cluster (IMC – Khurpia) under Amritsar Kolkata Industrial Corridor Project at Khurpia, Uttarakhand				
2	Production Capacity	–				
3	Total Plot Area	1002 acres (405.5 ha)				
4	Proposed Site Location	Located at 4 revenue villages namely Khurpia, Deoria, Gauri Kalan and Bhoora Gauri and census town of Bandiya of Udham Singh Nagar District in Uttarakhand				
5	Coordinates of Project site	Lat: 28°56'32.43"N, Long: 79°30'48.82"E (Centre of Project)				
6	Water Requirement (KLD)	Water- Construction Phase – 1.68 MLD (Fulfilled by water tanker to be procured by contractor) Water -Operational Phase – 12.11 MLD (7.79 MLD Phase 1); Fresh Water Demand– 5.74 MLD ~ 6 MLD (3.8MLD Phase 1); Recycling water demand- 6.37 MLD (3.9 MLD Phase 1)				
7	Source of Water	Ground water				
8	Waste Water Management Waste water generation Mode of Disposal	Industrial Effluent -6.86 MLD (CETP to be developed in Modular basis). Domestic Sewage generation 1.03 MLD & will be treated in proposed STP of 1 MLD (to be developed in modular basis). Based on site terrain, project area has been divided into 3 sewer zones/districts Net treated wastewater available is 3.37 MLD of which the entire quantum is reused thereby not only reducing the freshwater requirement but also ensuring a optimum utilization of wastewater from the IMC.				
9	Solid waste Generation & Disposal	Total 42.84 TPD; MSW- 9.35 TPD &Industrial waste- 33.24 TPD The wet waste (5.39 TPD) shall be treated in Bio methanation Plant /OWC plant, Recyclable waste to authorized vendor				
10	Hazardous Waste Generation & Disposal	Hazardous waste will be given to authorized / registered agencies for disposal				
11	E-Waste	E-waste will be given to authorized / registered agencies for disposal				
12	Green Area Development	335 Acre, 33 % (including Park level & Plot level green spaces)				
13	Total Manpower	21,445 Nos.				
14	Electricity/Power requirement	Total 143.97MVA, out of which 124.53 MVA is for Industrial area and rest 19.43 MVA is for residential, commercial, street lighting and utilities demand.				
15	Alternate Power Source	For emergency services power backup in the form of DG set shall be provided. DG set shall be adhered with CPCB standard.				
16	Utilities	<table><tr><th>Segment</th><th>List of Amenities & Utilities</th></tr><tr><td>Utilities & Amenities</td><td>1. Water supply: 7 nos. tube wells (3 tube wells are proposed in residential zone while 2 are proposed in each of the industrial zones) & 3 overhead tanks 2. Electric substations: 1 nos. 220/132/33 KV substation & 3 nos. 33/11 KV sub stations 3. ETP for industrial area under plug and play model 4. 1 STP for residential area 5. Gas Hub</td></tr></table>	Segment	List of Amenities & Utilities	Utilities & Amenities	1. Water supply: 7 nos. tube wells (3 tube wells are proposed in residential zone while 2 are proposed in each of the industrial zones) & 3 overhead tanks 2. Electric substations: 1 nos. 220/132/33 KV substation & 3 nos. 33/11 KV sub stations 3. ETP for industrial area under plug and play model 4. 1 STP for residential area 5. Gas Hub
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		6. Truck Terminal 7. Telecom / ICT hub
	Technical Infrastructure	1. Skill Development Centre with Training Centre & Auditorium
	Workforce Amenities	1. Day care centre
	Emergency Services	1. Fire Station 2. Emergency Response Centre
	Park Management	1. Administration complex 2. Security centre with CCTV Surveillance 3. Environmental management cell 4. Utilities Command Control Centre
	Commercial	1. Shopping centre 2. Banks 3. Post office / courier services 4. Canteen / food courts 5. Fuel station 6. Hotel
	Buildings for Production Purpose (Factory sheds)	Industrial plots shall be allotted and leased with mortgaging rights to participating entrepreneurs who shall further invest on the construction of factory buildings and equipment
17	Land form, Land use and land ownership	Land under possession of SIIDCUL
18	Project cost	1265.37 Cr
19	Corporate Environment Responsibility (CER)	Not Applicable

The Committee after examining the original proposal and after site visit of the sub-committee on 13.02.2023 and after going through the presentation done by the consultant has made the following observations-

- The Project Proponent has given an undertaking in the form of affidavit that they will comply with the suggestions given by the sub-committee during the site visit. The Project Proponent is expected to follow those instructions in toto.
- 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 continuous dust/wind breaking walls around the site (at least 3 meters high).
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site
- The structural design and other aspects of the building shall comply with guidelines of National Building Code. This shall be ensured by concerned Department of State Government/Accredited Agencies
- The building plan and structural design shall comply with requirements of Seismic Zone – IV as outlined in National Building Code.
- Notification GSR 94(E) dated 25-10-2018 of MOEF&CC regarding mandatory implementation of Dust Mitigation Measures for construction and Demolition activity for projects requiring Environmental Clearance shall be complied with.
- The disposal of muck should adhere to standards of general safety and health concerns of local people and also it should have no adverse effect on the neighbouring community.
- 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 metres 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 CETP of capacity 6.80 MLD & STP of capacity 1.00 MLD 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.
- There will be no effluent discharge from the industrial area to achieve Zero Liquid Discharge (ZLD)
- Any industry which is covered under EIA Notification, 2006 shall obtain separate Environmental Clearance before setting up of the industry within the proposed industrial area.

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- In case of any change in the layout plan of the proposed industrial area the Project Proponent shall inform the SEIAA and shall obtain modified Environmental Clearance
- The Project Proponent shall undertake CSR activities like periodic medical health checkup, skill development, training and quality education in the nearby villages.
- 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 half yearly 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.
- Project Proponent will adopt the green building concept.
- 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 (Mahila mangal dal/ Yuvak mangal 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 – 3

Online proposal No.	SIA/UK/INFRA2/416822/2023
Name of the Project	Proposed establishment of Screening Plant of 300 TPD at Khasra No.- 1175 Gha, 1175 tha, 878, 887 Mauza, Rampur Kalan, Vikasnagar, Dehradun.
Name & Address of Proponent	M/s Ashirwad Enterprises and Screening Plant by Shri Javed Khan (Partner)
Whether New/Expansion/ Modernization Project	New
Total Plot Area	2.8170 Ha.

Annexure

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Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)
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The project was submitted vide proposal no SIA/UK/INFRA2/416822/2023 on dated 2nd February, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed establishment of Screening Plant of 300 TPD. 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 Paramarsh Servicing Environment and Development and project was presented by Shri Surendar Vikram Gharvi, EIA Coordinator.** The details of the project are given below:-

S.No.	Parameters	Description
1	Name of the Project	Ashirwad Enterprises and Screening Plant.
2	Production Capacity	300 Ton/Day production.
3	Total Plot Area	2.8170 ha
4	Proposed Site Location	Khasra No. -1175 Gha, 1175 Tha, 878, 887, Village – Rampur Kalan, Tehsil –Vikas Nagar, District – Dehradun, Uttarakhand. (Office order issued via letter no. 2474/स्क्रिनिंगप्लांट/खनन/भूखनिई/देदून/2021-22 Dated 07.10.2021)
5	Coordinates of Project site	30°21'30.67"N 77°49'45.47"E
6	Water Requirement (KLD)	Total water requirement is 8.0 KLD. Water for Domestic Usage – 0.9 LKD. Dust Suppression – 2.7 KLD, Green belt development – 3.40 & for Washing purposes– 1.00 KLD
7	Source of Water	Borewell
8	Waste Water Management Waste water generation Mode of Disposal	Approx.0.7 KLD of domestic effluent will be generated which will be disposed through proper septic tank and Soak pits.
9	Solid waste Generation & Disposal	Solid waste generated will be 10 Kg/Day.
10	Hazardous Waste Generation & Disposal	Used oil from DG set is the only source of hazardous waste. It will be sold to authorized vender.
11	E-Waste	No e-waste generated.
12	Green Area Development	33 % of plot area will be covered under plantation.
13	Total Manpower	20 no's
14	Electricity/Power requirement	250 KVA (UPCL)
15	Alternate Power Source	Green Insulated D.G. Set of 250KVA for Powerbackup is Proposed.
16	Utilities	-
17	Land form, Land use and land ownership	Private land
18	Project cost	90 lakhs
19	Corporate Environment Responsibility (CER)	2% of project cost

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 shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- The unit should properly provide covered processing area for control of fugitive emission.
- The unit should provide ducting and scrubbing system in cover shed to arrest dust as per State Policy, 2021.
- The unit should provide pucca drain for wastewater conveyance to settling tank.
- The unit shall provide proper overflow system in settling tank.
- The unit should provide proper water sprinklers with sufficient pressure as per State Policy, 2021.
- The unit should install interlock system for air pollution control device and process.
- The unit should expedite to construct brick wall of sufficient height. The unit should provide adequate green belt as per State Policy 2021. Till the adequate growth of plants, the unit may provide other alternative arrangement for fugitive emission control.
- The unit should provide complete metaled road as per State Policy, 2021.

- The unit should maintain proper log book of fresh water consumption.
- Project Proponent shall install solar lights on the periphery of its premises.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit fortnightly reports pertaining to ambient air quality, and quarterly report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it. The reports pertaining to ambient air quality shall be submitted before 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 rain water 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 – 4

Online proposal No.	SIA/UK/INFRA2/418903/2023
Name of the Project	Proposed Construction of Hotel Project at 123 Bhagwant pur, Dehradun.
Name & Address of Proponent	M/s Tarangi Doon by Smt Deepti Saraswat (Owner)
Whether New/Expansion Project	New
Total Plot Area	2350.00 m ²
Total Built up Area	3993.01 m ²
Project Category	8(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/418903/2023 on dated 18th February, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Construction of Hotel Project. The proponent has submitted detailed project related information in Form 1, Form 1-A, Conceptual Plan & EMP. **Project was prepared by Accredited consultancy firm Paramarsh Servicing Environment and Development and project was presented by Shri Surendar Vikram Gharvi, EIA Coordinator.** The details of the project are given below:-

S.No.	Parameters	Description
1	Name of the Project	Environment Clearance for Proposed Construction of Hotel Project M/S TARANGI DOON
2	Production Capacity	<ul style="list-style-type: none"> ❖ Proposed Guest Rooms- 49 ❖ Proposed Kitchen- 01 ❖ Proposed Restaurant- 01 ❖ Proposed Conference Hall – 01 ❖ Proposed Laundry – 01 ❖ Proposed Gym – 01 ❖ Proposed Swimming Pool - 01 ❖ Proposed DG Set 1 No. - 250 KVA ❖ STP 20 KLD - 01 No.
3	Total Plot Area	2350 Sq m
4	Proposed Site Location	123, Bhagwant pur, Near John Martyn Memorial School, Dehradun, Uttarakhand -248009
5	Coordinates of Project site	30°24'14.3" N, 78° 04'09.0"E
6	Water Requirement (KLD)	Total water requirement is 26.24 KLD out of which fresh water demand is 14.66 KLD, which will be met from Bore well.
7	Source of Water	Borewell
8	Waste Water Management Waste water generation Mode of Disposal	14 KLD of waste water will be generated which be disposed though STP of 20 KLD capacity.
9	Solid waste Generation & Disposal	<ul style="list-style-type: none"> ❖ Total Solid waste 101.7 kg /day ❖ Inorganic waste: 40 % of the total waste 40.68 kg /day. Inorganic will be sold to the respective vendors ❖ Organic solid waste 60 % of the total waste 61.02kg/day. Organic wastes are composted
10	Hazardous Waste Generation & Disposal	Used oil from DG set is the only source of hazardous waste. It will be sold to authorized vender.
11	E-Waste	No e-waste generated.
12	Green Area Development	33 % of plot area will be covered under plantation.
13	Total Manpower/Staff	30 no's
14	Electricity/Power requirement	250 KVA (UPCL)
15	Alternate Power Source	Green Insulated D.G. Set of 250 KVA for Power backup is Proposed.
16	Utilities	-
17	Land form, Land use and land ownership	Private land
18	Project cost	1000 lakhs
19	Corporate Environment Responsibility (CER)	2% of project cost

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 that they have submitted application for approval of project map to MDDA. The approval is still awaited. In case of any 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 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 continuous dust/wind breaking walls around the site (at least 3 meters high).

- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site
- The structural design and other aspects of the building shall comply with guidelines of National Building Code. This shall be ensured by concerned Department of State Government/Accredited Agencies
- The building plan and structural design shall comply with requirements of Seismic Zone – IV as outlined in National Building Code.
- Notification GSR 94(E) dated 25-10-2018 of MOEF&CC regarding mandatory implementation of Dust Mitigation Measures for construction and Demolition activity for projects requiring Environmental Clearance shall be complied with.
- The disposal of muck should adhere to standards of general safety and health concerns of local people and also it should have no adverse effect on the neighbouring community.
- DG Sets shall be used only as backup power. The capacity of DG sets shall not exceed capacity of 1 DG Set 250 KVA and it should have stack height complying with CPCB norms.
- Fixtures of showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices/sensor based control. Dual plumbing system shall be installed separately for fresh water and waste water.
- The use of glass may be reduced by upto 40 percent to reduce the electricity consumption and load on air conditioning. If necessary then use of high quality double glass may be encouraged with special reflective coating in windows.
- The use of LED and such other power saving devices shall be maximized. Common areas and landscape areas shall be illuminated with solar lighting system. At least 40 percent of the total power requirement after completion of construction unit shall be met from solar energy.
- Rainwater harvesting for roof top and surface run off should be ensured as per the plan submitted. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles. The bore well for rain water recharging should be kept at 5 metres 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 half yearly 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.
- Project Proponent will adopt the green building concept.
- 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 (Mahila mangal dal/ Yuvak mangal 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.

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

Proposal – 5

Online proposal No.	SIA/UK/MIS/282949/2022
Name of the Project	Proposed establishment of 200 TPH Stone Crusher Plant along with 500 KVA DG set at Khasra No.162Kha, 163Kha, 164, 167, 168Da, 169Kha, 165, 166Ka, 135Ka, 136Ka Mi, 137, 138Ka Village Karimpur, Tehsil Vikasnagar, District Dehradun
Name & Address of Proponent	M/s Shri Balaji Stone Aggregates by Shri Jagdeep Sandhu (Partner)
Whether New/Expansion/Modernization Project	New
Total Plot Area	1.5152 Ha.
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)

The project was submitted vide proposal no SIA/UK/MIS/282949/2022 on dated 12th July, 2022 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.

The Committee after examining the original proposal has made the following observations-

- Letter of Intent (LoI) has not been issued by the Uttarakhand Government yet.

The committee decided to defer the proposal till the project proponent ensures compliance and submits the above mentioned documents.

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

Proposal – 1

Online proposal No.	SIA/UK/INFRA2/418739/2023
Name of the Project	Proposed EWS Housing under Pradhan Mantri Awasiya Yojana at Khasra No. 66 & 68/2, Village-Beldi, Teh- Roorkee, Dist- Haridwar.
Name & Address of Proponent	M/s Debi kay Systems Private Limited by Shri Arjun Mangal (Director)
Whether New/Expansion Project	New
Total Plot Area	23665.00 m ²
Total Built up Area	33719.96 m ²
Project Category	"B1" & 8(a) as enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/418739/2023 on dated 17th February, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed EWS Housing under Pradhan Mantri Awasiya Yojana. The proponent has submitted detailed project related information in Form 1, Form 1-A, Conceptual Plan & EMP. **Project was prepared by Accredited consultancy firm M/s Rian Enviro Pvt. Ltd. and project was presented by Shri Muzaffar Ahmad, EIA Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description
1	Name of the Project	Environmental Clearance for the Proposed EWS Housing under Pradhan Mantri Awasiya Yojana by M/s Debi kay Systems Private Limited
2	Production Capacity	Total Units (Flats) – 1088 Nos.
3	Total Plot Area	Total Plot area- 23665.00 Sq. M. Total Built up Area – 33719.96 Sq. m
4	Proposed Site Location	Khasra No. 66 & 68/2, Village Beldi, Tehsil Roorkee, District Haridwar, Uttarakhand
5	Coordinates of Project site	Latitude: 29°52'55.00"N, Longitude: 77°56'43.69"E
6	Water Requirement (KLD)	Total Water- 570.0 KLD

		Fresh Water –390.0 KLD & Recycle Water – 180.0 KLD
7	Source of Water	Borewells
8	Waste Water Management Waste water generation Mode of Disposal	Domestic sewage will be generated at the tune of 486.00 KLD approx. The same will be treated in the proposed STP of 660.0 KLD. Treated waste water will be reused in the green belt/toilet flushing. Zero liquid discharge scheme will be maintained.
9	Solid waste Generation & Disposal	Municipal Solid Waste - 1225 kg/day It will be segregated at source, collected in bins and disposed off as per UKPCB Norms.
10	Hazardous Waste Generation & Disposal	Spent oil –0.05 MTPA Discarded Drums/Barrels - 10 Nos./Annum. Will be handed over to authorized recyclers/re-processors.
11	E-Waste	Nil.
12	Green Area Development	10.29 % of total plot area.
13	Total Manpower	6256 Nos. (including residents, staff & visitors)
14	Electricity/Power requirement	1405 KVA (Source- UPCL)
15	Alternate Power Source	DG Set- 82.50 KVA (01 No.)
16	Utilities	Nil.
17	Land form, Land use and land ownership	Residential Land.
18	Project cost	74.69 Crores
19	Corporate Environment Responsibility (CER)	2% of Project cost.

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

The SEAC has raised following observations-

- SEAC asked the Project Proponent for submitting actual amount of money incurred so far by the project to estimate the penalty. Since the project proponent has suo-moto reported the violation hence, the penalty applicable is 0.5% of the project cost incurred till date. This non-refundable amount is to be deposited in the account of State Pollution Control Board.
- The Project Proponent is expected to submit the total budgetary allocation pertaining to remediation plan and natural and community resource augmentation plan. The Project Proponent shall submit a bank guarantee equivalent to the above amount with the State Pollution Control Board. This bank guarantee is refundable to the Project Proponent after submitting evidences pertaining to implementation of the remediation plan and natural and community resource augmentation plan.
- The Project Proponent shall complete the impact assessment studies and submit Environmental Impact Assessment (EIA) report and Environmental Management Plan (EMP) in a time bound manner. Till this happens further operations/construction activities on the site shall be closed.
- The Project Proponent informed to SEAC that they have started baseline data collection from 17.02.2023 with prior intimation to SEIAA vide Email dated-17.02.2023

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.

Proposal – 2

Online proposal No.	SIA/UK/MIN/405637/2022
Site Details	Proposed Extraction of Soapstone at Village- Tuper, Tehsil & District- Bageshwar.
Name & Address of Proponent	Shri Puran Singh Khetwal S/o Shri Kheem Singh Khetwal, Village- Tuper, Tehsil & District- Bageshwar.
Coordinates	Latitude- 29°52'4.30"N to 29°52'3.87"N Longitude- 79°48'19.20"E to 79°48'19.75"E

Mining Lease Area	2.943 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/405637/2022 on 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). As per the MoEF&CC No- 3181 dated- 14-08-2018 the project fall in B2. But according to latest O.M of MoEF&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 Paramarsh Servicing Environment and Development and project was presented by Shri Surendar Vikram Gharvi, EIA Coordinator.**

Hence, committee agreed to recommend **ToR (Annexure-4)** 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.

Proposal – 3

Online proposal No.	SIA/UK/MIN/418309/2023
Site Details	Proposed Extraction of Soapstone at Village- Adhyali, Tehsil-Kanda, District- Bageshwar.
Name & Address of Proponent	M/s Harunath Mines & Minerals, R/O - Near K.P. Marble Kanda Road Bhagirathi Bageshwar
Coordinates	Latitude- 29°50'48.37"N to 29°50'45.80"N Longitude- 79°55'18.83"E to 79°55'25.45"E
Mining Lease Area	6.507Ha.
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006.

The project was submitted vide proposal no SIA/UK/MIN/418309/2023 on dated 14th February, 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 Paramarsh Servicing Environment and Development and project was presented by Shri Surendar Vikram Gharvi, EIA Coordinator.**

Hence, committee agreed to recommend **ToR (Annexure-4)** 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.

Proposal – 4

Online proposal No.	SIA/UK/MIN/411257/2022
Site Details	Proposed Extraction of Soapstone at Village- Bhatni Kot, Tehsil & District- Bageshwar.
Name & Address of Proponent	M/s Jay Maa Bhagwati Mines & Minerals by Shri Harish Singh S/o Shri Jagdish Singh (Managing Partner)
Coordinates	Latitude- 29°52'5.50"N to 29°52'4.48"N Longitude- 79°47'38.20"E to 79°47'39.32"E
Mining Lease Area	7.592 Ha
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006.

The project was submitted vide proposal no SIA/UK/MIN/411257/2022 on dated 19th December, 2022 by the project proponent. The committee observed that the proponent is seeking

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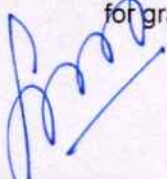
Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm Paramarsh Servicing Environment and Development and project was presented by Shri Surendar Vikram Gharvi, EIA Coordinator.**

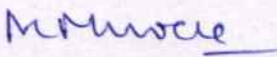
Hence, committee agreed to recommend **ToR (Annexure-4)** to the proponent for preparation of EIA report. The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project. The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.


Additional discussion with the permission of Chair.


The committee after detailed discussion is of the view that two kinds of methodologies should be adopted while dealing with violation cases—


1. Cases of Violation which are covered under Doon Valley Notification and are not covered under EIA Notification, 2006— In these cases the Project Proponent is expected to do the damage assessment and submit and undertaking mentioning the actual amount of money incurred so far by the project to estimate the penalty. In addition to this the Project Proponent is expected to submit the total budgetary allocation pertaining to remediation plan and natural and community resource augmentation plan. The Project Proponent shall submit a bank guarantee equivalent to the above amount with the State Pollution Control Board. On compliance of the above conditions the committee may recommend the proposal directly for grant of E.C.
2. Cases of Violation which are not covered under Doon Valley Notification and covered under EIA Notification, 2006— In these cases the Project Proponent is expected to do the damage assessment and submit and undertaking mentioning the actual amount of money incurred so far by the project to estimate the penalty. In addition to this the Project Proponent is expected to submit the total budgetary allocation pertaining to remediation plan and natural and community resource augmentation plan. The Project Proponent shall submit a bank guarantee equivalent to the above amount with the State Pollution Control Board. On compliance of the above conditions the committee may recommend the proposal firstly for grant of ToR and after all the compliances as per OM No- 22-21/2020-IA.III dated- 07.07.2021 the committee may recommend the proposal for grant of E.C.


(Shri S.S. Bist)
Chairman, SEAC


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


(Dr. Ashutosh Gautam)
Member, SEAC


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


(Shri Nitish Mani Tripathi)
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

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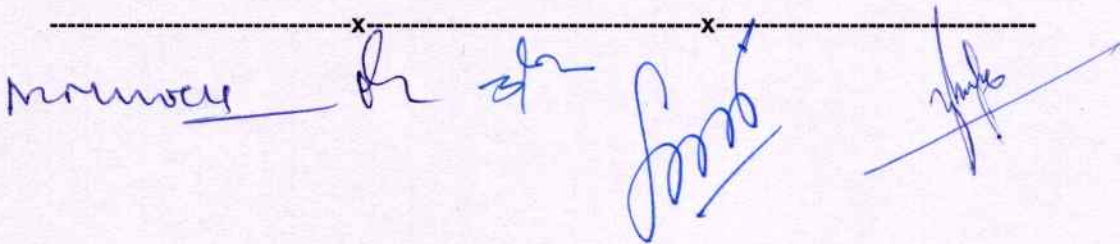
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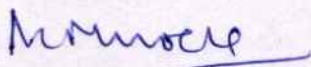
- 19) Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- 20) Training shall be imparted to all employees on safety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

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Four handwritten signatures in blue ink are visible below a dashed line. The signatures are stylized and appear to be in cursive or shorthand. The first signature is on the left, followed by three more signatures towards the right. The line above them has 'x' marks at the ends.

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. The capacity of DG sets shall not exceed capacity 250 KVA 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.

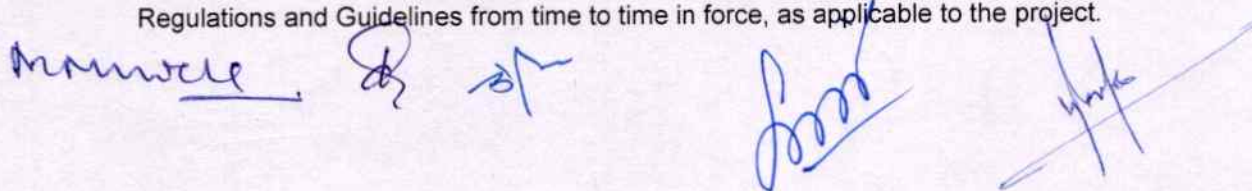
1.31. Guidelines of Municipal Solid Waste (Management & Handling) Rules, 2000 (as amended from time to time) should be followed for disposal of solid waste. Two bin collection system for bio degradable and non bio degradable waste should be adopted. Bio degradable waste shall be sent to composting pit 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.

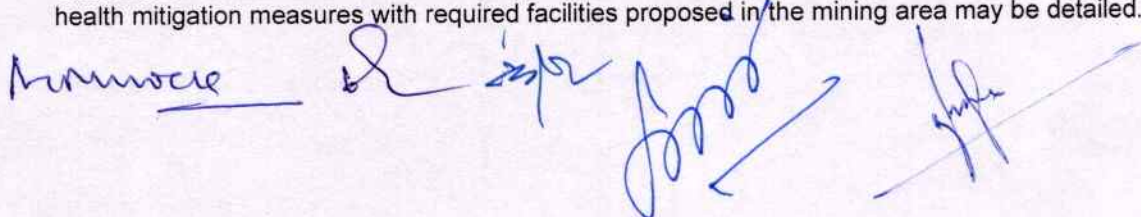
1.34. Solar panel/energy should be encouraged/installed in the premises.

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.



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.

Munawar *R. S. K.* *John* *gmk*