

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

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Letter No: **11** /SEAC  
Dated: **01** March, 2023

The First Day of the 4<sup>th</sup> meeting of the Uttarakhand State Level Expert Appraisal Committee (SEAC) was held on 1<sup>st</sup> March, 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. 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 Common Municipal Solid Waste Management Facility (CMSWMF), 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/INFRA2/405321/2022
Name of the Project	Integrated Municipal Solid Waste Processing Facility at Vill-Mandakhal, Khirsu Road, Uli Block Beet No.- 32, Teh & Dist- Pauri Garhwal.
Name & Address of Proponent	M/s Nagarpalika Parishad, Dist- Pauri Garhwal.
Whether New/Expansion/Modernization Project	New
Total Plot Area	2.48 acres (1.007 Ha.)
Project Category	7 (i) Common Municipal Solid Waste Management Facility (CMSWMF) & activity 'B1' enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/405321/2022 on dated 3<sup>rd</sup> February, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Integrated Municipal Solid Waste Processing Facility. **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- 205/SEAC dated- 26.03.2021 & the ToR letter was issued vide letter No.-207/SEAC dated-31.03.2021 and the public hearing was conducted on dated-15.11.2021. 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. **Project was prepared by Accredited consultancy firm Wolkem India Limited and project was presented by Shri Ratnakumar Vijaykumar Mudliar, EIA Coordinator.** The details of the project are as follows:-

S.No.	Parameters	Description									
1	Name of the Project	Proposed Integrated Municipal Solid Waste Management Facility for Pauri Garhwal.									
2	Production Capacity	16.3 TPD (11.3 TPD of waste quantity in current year 2022 and is likely to increase to 16.3 TPD by 2037)									
3	Total Plot Area	Total Plot Area- 2.48Acre (1.007 Hectares approx.) Land Uses Break Up of Proposed Facility									
		<table> <tr> <th>Particulars</th><th>Area in (Sqm)</th><th>Area (Acres)</th></tr> <tr> <td>Build Up area</td><td>1629.00</td><td>0.403</td></tr> <tr> <td>Platform Area</td><td>620.00</td><td>0.153</td></tr> </table>	Particulars	Area in (Sqm)	Area (Acres)	Build Up area	1629.00	0.403	Platform Area	620.00	0.153
Particulars	Area in (Sqm)	Area (Acres)									
Build Up area	1629.00	0.403									
Platform Area	620.00	0.153									

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		Greenbelt Area	3324.00	0.821															
		Road Area	1410.00	0.348															
		Landfill Area	2387.00	0.59															
		Open Area	700.00	0.173															
		Total	10070.00	2.488 ~ 1.007 Ha.															
4	Proposed Site Location	Village – Mandakhal, Khirsu Road Side, Uli Block Beet Number – 32, Tehsil- Pauri, District- PauriGarhwal (Uttarakhand).																	
5	Coordinates of Project site	<table><tr><th>Pillar No.</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>30°07'45.06"N</td><td>78°49'33.09"E</td></tr><tr><td>B</td><td>30°07'48.13"N</td><td>78°49'34.93"E</td></tr><tr><td>C</td><td>30°07'45.91"N</td><td>78°49'37.67"E</td></tr><tr><td>D</td><td>30°07'43.14"N</td><td>78°49'36.11"E</td></tr></table>	Pillar No.	Latitude	Longitude	A	30°07'45.06"N	78°49'33.09"E	B	30°07'48.13"N	78°49'34.93"E	C	30°07'45.91"N	78°49'37.67"E	D	30°07'43.14"N	78°49'36.11"E		
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D	30°07'43.14"N	78°49'36.11"E																	
6	Water Requirement (KLD)	During Construction phase- 4.0 KLD During Operational phase-Total water requirement in the project during operational phase will be about 5 KLD.																	
7	Source of Water	Water will be sourced from Jal Sansthan, Uttarakhand. Water Allocation vide letter no. 2614/Jal, Pauri/2020-21/150 dt: 17.03.2021 from Pauri Jal Sansthan. Letter is attached as Annexure in Final EIA-EMP report.																	
8	Waste Water Management Waste water generation Mode of Disposal	<ul style="list-style-type: none"><li>• The generated wastewater 3.4 KLD.</li><li>• Domestic Wastewater will be sent to STP &amp; reused for greenbelt purpose.</li><li>• Leachate will be treated in LTP of 5 KLD capacity and treated water will be reused for greenbelt purpose.</li><li>• Treated water from LTP &amp; STP will be used for green belt development, dust suppression &amp; horticulture activities.</li><li>• 1.6 KLD of treated water will be recirculated in the process. Hence, the water requirement for the proposed project is 5 KLD which will be sourced from Jal Sansthan, Uttarakhand.</li></ul>																	
9	Solid waste Generation & Disposal	The project has been designed based on Population projections. Present MSW quantity, based on average per capita waste generation, in the proposed service area (Nagar Palika Parishad, Pauri) is estimated waste generation to be about:- <ul style="list-style-type: none"><li>• 11.3 TPD in 2022.</li><li>• 13.7 TPD in 2030.</li><li>• 16.3 TPD in 2037.</li><li>• 17.9 TPD in 2041.</li></ul>																	
10	Hazardous Waste Generation & Disposal	The hazardous waste shall be managed in accordance with the Hazardous and Other Wastes (Management and Tran's boundary Movement) Rules, 2016, as amended from time to time. Hazardous waste is not expected to be a part of MSW stream; however, if received same should be handed over to the authorized collector by State Pollution Control Board.																	
11	E-Waste	Not Applicable																	
12	Green Area Development	The proposed project area is 10070 Sqm (2.48 Acres) and more than 33% of the total project area i.e. 3324 Sqm of land is proposed to be developed and maintained as green belt. The green belt will be developed considering the native species and CPCB/SPCB guidelines will be followed.  <b>Proposed Planted Species</b> <table><tr><th>S.No</th><th>Common Name</th><th>Botanical Name</th></tr><tr><td>1</td><td>Chir</td><td><i>Pinusroxburghii</i></td></tr><tr><td>2</td><td>Himalayan cedar</td><td><i>Cedrusdeodara</i></td></tr><tr><td>3</td><td>Banj oak</td><td><i>Quercusleucotrichophora</i></td></tr><tr><td>4</td><td>Box berry or Kaphal</td><td><i>Myricaesculenta</i></td></tr></table>			S.No	Common Name	Botanical Name	1	Chir	<i>Pinusroxburghii</i>	2	Himalayan cedar	<i>Cedrusdeodara</i>	3	Banj oak	<i>Quercusleucotrichophora</i>	4	Box berry or Kaphal	<i>Myricaesculenta</i>
S.No	Common Name	Botanical Name																	
1	Chir	<i>Pinusroxburghii</i>																	
2	Himalayan cedar	<i>Cedrusdeodara</i>																	
3	Banj oak	<i>Quercusleucotrichophora</i>																	
4	Box berry or Kaphal	<i>Myricaesculenta</i>																	
13	Total Manpower	Construction Phase: Approx. 40 workers (skilled & semi-																	

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		skilled workers), rest outsourced based on need. <b>Operation Phase:</b> The swacchhta team consists of 42 karmacharis, rest outsourced based on need. With 33 permanent, 2 Supervisor, 7 on contractual. Rest Outsourced as per requirement of ULB.			
14	Electricity/Power requirement	D.G set of 250 KVA will be utilized for power during construction phase and in emergency use during power failure. During operation phase of proposed facility will be 250 KVA and it will be sourced from Uttarakhand Vidyut Vibhag			
15	Alternate Power Source	For emergency 1 D.G set of 250 KVA will be utilized as backup.			
16	Utilities	STP & LTP			
17	Land form, Land use and land ownership	The proposed land belongs to Forest Department of Pauri and Nagar Palika Parishad Pauri has taken land for 30 years of lease period. Lease Agreement Certificate No. IN-UK88215856406626S dt; 24th September 2020 enclosed in Final EIA Report as an Annexures.			
18	Project cost	Rs. 6.06/- Crores			
19	Corporate Environment Responsibility (CER)	<b>Sr. No.</b>	<b>Particulars</b>	<b>Proposed Capital cost (in lakhs)</b>	<b>Proposed Annual recurring cost (in lakhs per Year )</b>
		1	Environmental Pollution control (Air, Water, Soil, Noise etc.)	10.0	0.50
		2	Environment Monitoring	-	1.2
		3	Occupation Health & Safety & Health Camps	2.0	0.50
		4	Green Belt Development	3.0	0.50
		5	Education welfare: scholarship for students in nearby govt. school	5.0	0.8
		6	Area development: provide assistance to nearby village panchayat for area development.	5.0	0.5
		<b>Total</b>		<b>25.0</b>	<b>4.0</b>
As per the directions given in the MoEF&CC Office Memorandum, F.No. 22-65/2017-IA-III on 30th September 2020, all the proposed activities will be part of Environmental Management Plan (EMP) instead of CER. Addition to above the project proponent has proposed to invest amount of 2.55 Lakhs per year on Labours safety, proper sanitation facilities at site, Health checkup facilities, awareness & recreation programs etc.					

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

- Forest Clearance granted by MoEF&CC vide No- 08B/UCP/09/212/2016/FC/2627 dated- 19.02.2020 conditions no- 05 stated that no felling of tree is proposed by the Project Proponent. In case felling of trees is required after grant of E.C then the approval of competent authority as per extant rules must be obtained.
- The Project Proponent has submitted an affidavit regarding CER & felling and has ensured that no felling of trees will be done without permission from competent authority.
- During the presentation before the committee the Project Proponent has assured that non segregated waste will not be brought to the facility.

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- The facility should be enclosed from all sides by either a boundary wall or tin sheet wall of at least 8.00 feet height.
- Plantation should be ensured in nearby areas.
- The Project Proponent shall ensure that foul smell should not emanate from the premises.
- Proper impervious lining should be provided under the processing site and land fill site to prevent contamination of ground water.
- Proper leachate collection drain and collection pit should be provided to prevent contamination of surface water.
- The Project Proponent shall allow Solid Waste of adjoining helmets too.
- Since the project is on the way to Khirsu which is a tourist destination hence, proper view cutters and front façade should be properly maintained.

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/INFRA2/406044/2022
Name of the Project	Proposal for Proposed Hotel Project at Khasra No. (Old 67/2) New no 123 Kha, 124 Ka, 125, 146 Ga Mohabewala, Saharanpur Road, Dehradun
Name & Address of Proponent	M/s The Shiva Continental by Shri Shiv Sharan (Partner)
Whether New/Expansion Project	New
Total Plot Area	2361.36 m <sup>2</sup>
Total Built up Area	3421.01 m <sup>2</sup>
Project Category	8(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/406044/2022 on dated 14<sup>th</sup> November, 2022 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed 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 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	SHIVA CONTINENTAL		
2	Production Capacity	S.No.	Particular	Nos / unit
		1	Land Area	2361.36 sqm
		2	Built up Area	3421.01 sqm
		3	Green Area	590sqm
		4	Max. Height of building	24 mtr
		5	Proposed FAR	1.9
		6	Parking E.C.S. Provided	57 nos
		7	Hotel Rooms	31 nos
		8	Banquet Hall	1no
		9	Kitchen & Restaurant	2no
		10	Business Centre	1no
		11	Swimming Pool	1no
12	Spa	1no		
3	Total Plot Area	2361.36 sqm		
4	Proposed Site Location	Old Khasra No. 67/2 (New no 123Kha, 124Ka, 125, 146Ga), Mohabewala, Saharanpur Road Dehradun - 248002		
5	Coordinates of Project site	Latitude	30° 16'4 93" N	
		Longitude	77° 59'5 94" E	
6	Water Requirement (KLD)	19KLD daily		
7	Source of Water	Uttarakhand JalSansthan		



8	Waste Water Management Waste water generation Mode of Disposal	Use of Water	Water requirement	Waste water generation	Mode of Disposal
		Domestic	19KLD	15KLD	STP20KLD
9	Solid waste Generation & Disposal	<ul style="list-style-type: none"><li>Solid waste from the Hotel will be 30kg/day, out of which 12kg will be biodegradable, and 12kg Non-biodegradable and 6kg inert waste.</li><li>STP Sludge 30kg/month</li></ul>		<ul style="list-style-type: none"><li>The biodegradable wastes/ Kitchen waste will be sent to the nearby Gaushala.</li><li>Non-biodegradable and Inert Waste will be disposed off to Municipality through their Municipal Utility Van.</li><li>STP Sludge will be used as manure.</li></ul>	
10	Hazardous Waste Generation & Disposal	Lube Oil		Recyclable.	
11	E-Waste	E-Waste will be disposed off as per norms whenever generated in the unit.			
12	Green Area Development	590 sqm area will be developed as Green Belt.			
13	Total Manpower	32nos			
14	Electricity/Power requirement	200 KVA from UPCL			
15	Alternate Power Source	D.G. Set of 250 KVA x 1nos			
16	Utilities	D.G. Set and STP			
17	Land form, Land use and land ownership	Owned Land, Plain and flat land having Commercial Use.			
18	Project cost	Rs. 4.95 Cr.			
19	Corporate Environment Responsibility (CER)	Rs. 5 Lacs			

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 @ 0.5% as project proponent himself declared that violation has been done.
- SEAC asked the Project Proponent to submit detailed revised project proposal along with remediation plan.

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

### Proposal – 3

Online proposal No.	SIA/UK/INFRA2/411302/2022
Name of the Project	Proposed Manufacturing of Acrylic Emulsion, Dispersing Agent & Thickeners at Plot no 18, 19 & 20, Sector-3 IIE SIDCUL, Ranipur, Dist. Haridwar.
Name & Address of Proponent	M/s CICO Polymer Pvt. Ltd. by Shri Abhiroop Gupta (Director)
Whether New/Expansion/Modernization Project	New
Total Plot Area	1588.50 m <sup>2</sup>
Project Category	B2 & 5(f) Synthetic Organic Chemical enlisted in project/activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/411302/2022 on dated 15<sup>th</sup> February, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Manufacturing of Acrylic Emulsion, Dispersing Agent & Thickeners. The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report & 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:-

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S.No.	Parameters	Description		
1	Name of the Project	M/s CICO Polymers Private limited		
2	Production Capacity	The proposed Capacity are		
		S.No.	Particular	Quantity (MTA)
		1	Acrylic emulsion	4680
		2	Dispersing agent	720
		3	Thickners	1800
		Total	7200	
3	Total Plot Area	1588.50 Sq. m		
4	Proposed Site Location	Plot No.18, 19 & 20, Sector-3, IIE BHEL Industrial Area, SIDCUL, Ranipur, Haridwar-49403,Uttarakhand.		
5	Coordinates of Project site		Latitude	Longitude
			29°57'12.48"N	78° 3'29.14"E
6	Water Requirement (KLD)	Total water requirement is 10 KLD Fresh water requirement is 5.0 KLD DM Water requirement is 5.0 KLD		
7	Source of Water	DM & fresh water will be met from Tankers. If fresh water requirement is not met from tanker than bore well will be used and permission from CGWA will be taken for the same.		
8	Waste Water Management Waste water generation Mode of Disposal	Waste water generated will be 2.68 KLD from washing and domestic activities which will be treated through Proposed ETP of 5.0 KLD Capacity. Non IBR Boiler of less than 1 Ton/Hr capacity is proposed.		
9	Solid waste Generation & Disposal	Approx. 15 Kg/day Disposal – collection, segregation and disposal as per the UKPCB norms.		
10	Hazardous Waste Generation & Disposal	Lube oil: 0.24 MTA Recyclable. Will be sold to authorized recycler. ETP Sludge: 3.0 TPA will be send to TSDF. Expired finished products and raw materials:2.0TPA will be send to TSDF.		
11	E-Waste	No e-waste generated.		
12	Green Area Development	15 % of plot area will be covered under plantation.		
13	Total Manpower	30Nos.		
14	Electricity/Power requirement	150 KVA which will be Sourced from Uttarakhand Electricity Board (UPCL).		
15	Alternate Power Source	DG Set 1 No's of 150 KVA will be standby for power backup		
16	Utilities	-		
17	Land form, Land use and land ownership	Industrial Area		
18	Project cost	800 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-

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

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- 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<sub>x</sub>, NO<sub>x</sub>, CO, VOC and HC) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- The DG 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.
- The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system. Dust Suppression during construction activity shall be ensured. Acoustic enclosures shall be provided with all machineries and DG sets on site complying with Noise Levels as per CPCB standards.
- All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- Project Proponent shall install solar lights on the periphery of its premises.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- The Project proponent will install advanced dust suppression system at the project site.
- The Project Proponent shall develop multi layered green belt around the periphery of the plant. The green belt thus developed should be on more than 10 percent of the project area. The project proponent will develop additional green belt in the surrounding areas to complete the requirement of 33% green belt of the project area. The project proponent shall plant fast growing species such as bamboo in the premises.
- The Project proponent shall plant fast growing species on both the sides of road connecting from the project premises to main road.
- The project proponent shall submit the NoC from CGWB for utilization of ground water.
- The project proponent shall undertake rain water harvesting activities in the surrounding villages preferably in the schools, primary health centers in consultation with local authorities.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.

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

#### Proposal – 4

Online proposal No.	SIA/UK/INFRA2/413739/2023
Name of the Project	Proposal for Assaying & Hallmarking Laboratory including Green Insulated DG Set at 35/5, Dhamawala, Mohalla, Dehradun.
Name & Address of Proponent	M/s R.D. Assaying & Hallmarking Centre by Shri Rajesh Phakade (Proprietor)
Whether New/Expansion/Modernization Project	New
Total Plot Area	11.00 m <sup>2</sup>

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<b>Project Category</b>	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)
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The project was submitted vide proposal no SIA/UK/INFRA2/413739/2023 on dated 9<sup>th</sup> January, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Assaying & Hallmarking Laboratory including Green Insulated DG Set. The committee observed that this project activity is covered under Orange Category as per the Doon Valley Notification 1989 (as amended). The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm M/s Rian Enviro Pvt. Ltd. and project was presented by Shri Muzaffar Ahmad, EIA Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description
1	Name of the Project	Environmental Clearance for Assaying & Hallmarking Laboratory including Green Insulated DG Set by M/s RD Assaying & Hallmarking Centre
2	Production Capacity	Proposed Capacity – 20.0 Samples/Day
3	Total Plot Area	11.0Sq. M.
4	Proposed Site Location	35/5, Dhamawala, Mohalla, Dehradun, Uttarakhand.
5	Coordinates of Project site	Latitude: 30°19'9.17"N, Longitude: 78° 2'10.96"E
6	Water Requirement(KLD)	Total Water- 0.50 KLD Fresh Water –0.30 KLD Recycle Water – 0.20 KLD
7	Source of Water	Jal Nigam Supply
8	Waste Management Water waste generation Mode of Disposal	0.24 KLD of waste water generated from Domestic Purpose which will be subjected to Septic Tank.
9	Solid waste Generation & Disposal	Municipal Solid Waste –2.0 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 from DG Set (0.1 MT/Annum) Spent Couplers – (600 Nos./Annum) Spent Acid – (300 Litres/Annum) Disposed off through authorized recycler/TSDF.
11	E-Waste	Nil.
12	Green Area Development	33.0 % of total plot area.
13	Total Manpower	10 Nos.
14	Electricity/Power requirement	10 KW
15	Alternate Power Source	DG Set – 15 KVA
16	Utilities	Nil
17	Land form, Land use and land ownership	Commercial.
18	Project cost	0.60 Crores
19	Corporate Environment Responsibility (CER)	1% 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-

- 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.
- No further expansion or modifications in the plan shall be carried out without the prior approval of competent authority.
- The Project Authority shall strictly comply with provisions of Doon Valley Notification, 1989 & 2020
- During any type of construction in the existing land area, the topsoil excavated shall be used for backfilling/ landscape development/ green belt development. The same shall not be disposed off outside the boundaries of project site without approval of Competent Authority.

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- The groundwater samples shall be tested from accredited labs and it shall be ensured that test results comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.
- All stacking and loading areas should be provided with proper garland drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials must not be allowed to contaminate watercourse and dumpsites as these may leach into ground water
- No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards.
- All the hazardous residue and wastes arising from units shall be either sent to TSDF for land filling or for incineration. Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc.
- The gaseous emissions ( $SO_x$ ,  $NO_x$ , CO, VOC and HC) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- The DG 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.
- The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system. Dust Suppression during construction activity shall be ensured. Acoustic enclosures shall be provided with all machineries and DG sets on site complying with Noise Levels as per CPCB standards.
- All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- Project Proponent shall install solar lights on the periphery of its premises.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- The Project proponent will install advanced dust suppression system at the project site.
- The Project Proponent shall develop multi layered green belt around the periphery of the plant. The green belt thus developed should be on more than 10 percent of the project area. The project proponent will develop additional green belt in the surrounding areas to complete the requirement of 33% green belt of the project area. The project proponent shall plant fast growing species such as bamboo in the premises.
- The Project proponent shall plant fast growing species on both the sides of road connecting from the project premises to main road.
- The project proponent shall submit the NoC from CGWB for utilization of ground water.
- The project proponent shall undertake rain water harvesting activities in the surrounding villages preferably in the schools, primary health centers in consultation with local authorities.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.

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

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### Proposal – 5

Online proposal No.	SIA/UK/INFRA2/416228/2023
Name of the Project	Proposed establishment of Stone Crusher Project of 100 TPH at Khasra No- 112, 75, 78, 113 Vill- Central Hope Town, Tehsil- Vikasnagar, District-Dehradun.
Name & Address of Proponent	M/s Aisha Traders by Shri Mohd. Ahasan (Proprietor)
Whether New/Expansion/ Modernization Project	New
Total Plot Area	3.0422 Ha.
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)

The project was submitted vide proposal no SIA/UK/INFRA2/416228/2023 on dated 29<sup>th</sup> January, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed establishment of Stone Crusher Plant 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. **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 Stone Crusher by AISHA TRADERS.						
2	Production Capacity	The proposed Capacity of Stone Crusher is 100 Ton per hour and RBM Storage capacity 2, 70,000 TPA.						
3	Total Plot Area	3.0422 Ha						
4	Proposed Site Location	At Khasra No. 112, 75, 78, 113, Village Central Hope Town, Tehsil – Vikasnagar, District – Dehradun (Uttarakhand)						
5	Coordinates of Project site	<table border="1"> <thead> <tr> <th>Particulars</th><th>Latitude (N)</th><th>Longitude (E)</th></tr> </thead> <tbody> <tr> <td>A</td><td>30°22'33.7"</td><td>77°51'11.2"</td></tr> </tbody> </table>	Particulars	Latitude (N)	Longitude (E)	A	30°22'33.7"	77°51'11.2"
Particulars	Latitude (N)	Longitude (E)						
A	30°22'33.7"	77°51'11.2"						
6	Water Requirement (KLD)	Total Water requirement is 7.760 KLD. Process – 5 KLD Domestic – 0.26 KLD Dust Suppression- 2.50 KLD						
7	Source of Water	Borewell						
8	Waste Management Water generation Waste water generation Mode of Disposal	Approx. 0.20 KLD of domestic effluent will only be generated and it will be disposed through eco-friendly mobile toilet.						
9	Solid waste Generation & Disposal	Nil						
10	Hazardous Waste Generation & Disposal	Only hazardous waste that will be generated is used oil from DG set. 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	8 no's						
14	Electricity/Power requirement	500 KVA from UPCL						
15	Alternate Power Source	DG set of 500 KVA capacity will be used for power backup						
16	Utilities	-						
17	Land form, Land use and land ownership	Private land						
18	Project cost	120 lakhs						
19	Corporate Environment Responsibility (CER)	2% of project cost						

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

- The Project Proponent informed that the 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.

#### Proposal – 6

Online proposal No.	SIA/UK/INFRA2/418294/2023
Name of the Project	Proposed Manufacturing of Pharmaceuticals Formulations at Plot No.- C-12, Khasra No- 2531, Sara Industrial Estate, Shankarpur, Selaqui, Dehradun.
Name & Address of Proponent	M/s Arham Bioceuticals Pvt. Ltd by Shri Himanshu Jain
Whether New/Expansion/Modernization Project	New
Total Plot Area	3736 m <sup>2</sup>
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)

The project was submitted vide proposal no SIA/UK/INFRA2/418294/2023 on dated 14<sup>th</sup> February, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Manufacturing of Pharmaceuticals Formulations. 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	M/S ARHAM BIOCEUTICALS PVT. LTD
2	Production Capacity	The proposed Capacity: <ul style="list-style-type: none"> <li>Tablets – 30 Crore No's /Annum</li> <li>Capsules – 30 Crore No's /Annum</li> <li>Ointment – 60 lakhs Kg/Annum</li> <li>Syrup – 60 lakhs L/ Annum</li> <li>Powder Sachets – 10 Crore No's/ Annum</li> </ul>
3	Total Plot Area	3736 m <sup>2</sup>
4	Proposed Site Location	At Plot No. C-12, Khasra no 2531, Sara Industrial Estate Shankarpur, Selaqui, District – Dehradun (Uttarakhand).
5	Coordinates of Project site	30°22'42.55" N 77° 50'07.80" E
6	Water Requirement (KLD)	Total water requirement is 22.55 KLD Fresh Water requirement is 15.45 KLD (For process - 15 KLD, Drinking – 0.45 KLD)
7	Source of Water	Borewell
8	Waste Water Management Waste water generation Mode of Disposal	Waste water generated from Manufacturing Process is 12.0 KLD and 3.6 KLD from Domestic activity will be treated from proposed ETP of 15.0 KLD Capacity.
9	Solid waste Generation & Disposal	Quantity of solid waste generated 45.0 kg. Organic solid waste : 60 % of the total waste: 27.0 kg Inorganic solid waste : 40 % of the total waste: 18 kg
10	Hazardous Waste Generation & Disposal	Lube oil - 0.24 MTA Recyclable. Will be sold to authorized recycler, ETP Sludge -0.05 TPA will be send to TSDF and Expired finished products and raw materials -0.05 TPA will be send to TSDF.
11	E-Waste	No e-waste generated.
12	Green Area Development	15 % of plot area will be covered under plantation.
13	Total Manpower	90 no's
14	Electricity/Power requirement	125 KVA from UPCL
15	Alternate Power Source	DG Set of 125 KVA will be standby for power backup.
16	Utilities	-



17	Land form, Land use and land ownership	Industrial land
18	Project cost	1058 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-

- 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.
- No further expansion or modifications in the plan shall be carried out without the prior approval of competent authority.
- The Project Authority shall strictly comply with provisions of Doon Valley Notification, 1989 & 2020
- During any type of construction in the existing land area, the topsoil excavated shall be used for backfilling/ landscape development/ green belt development. The same shall not be disposed off outside the boundaries of project site without approval of Competent Authority.
- The groundwater samples shall be tested from accredited labs and it shall be ensured that test results comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.
- All stacking and loading areas should be provided with proper garland drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials must not be allowed to contaminate watercourse and dumpsites as these may leach into ground water
- No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards.
- All the hazardous residue and wastes arising from units shall be either sent to TSDF for land filling or for incineration. Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc.
- The gaseous emissions ( $SO_x$ ,  $NO_x$ , CO, VOC and HC) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- The DG set of 125 KVA shall use Low Sulphur Diesel type fuel and should have stack height complying with CPCB norms. DG set should be operated only during power failure in emergency situation.
- The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system. Dust Suppression during construction activity shall be ensured. Acoustic enclosures shall be provided with all machineries and DG sets on site complying with Noise Levels as per CPCB standards.
- All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- Project Proponent shall install solar lights on the periphery of its premises.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- The Project proponent will install advanced dust suppression system at the project site.
- The Project Proponent shall develop multi layered green belt around the periphery of the plant. The green belt thus developed should be on more than 10 percent of the project area. The project proponent will develop additional green belt in the surrounding areas to

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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-3), the committee recommended the above project for grant of Environmental Clearance.

#### Proposal – 7

Online proposal No.	SIA/UK/INFRA2/418546/2023
Name of the Project	Proposed Industrial Packaging Plastic & EPS (Thermocol) Waste Recycling Facility at Plot No. 0, Akbar Colony, Selaqui, Tehsil – Vikasnagar, District-Dehradun.
Name & Address of Proponent	M/s Sai Enterprises by Shri Rajesh Kumar (Proprietor)
Whether New/Expansion/Modernization Project	New
Total Plot Area	563.94 m <sup>2</sup>
Project Category	B2, (Orange Category as per Doon Valley Notification 1989 & 2020)

The project was submitted vide proposal no SIA/UK/INFRA2/418546/2023 on dated 16<sup>th</sup> February, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Industrial Packaging Plastic & EPS (Thermocol) Waste Recycling Facility. The committee observed that this project activity is covered under Orange Category as per the Doon Valley Notification 1989 (as amended). The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. Project was prepared by Accredited consultancy firm M/s Rian Enviro Pvt. Ltd. and project was presented by Shri Muzaffar Ahmad, EIA Coordinator. The details of the project are as follows:-

S.No	Parameters	Description
1	Name of the Project	Environmental Clearance for Proposed Industrial Packaging Plastic & EPS (Thermocol) Waste Recycling Facility M/s Sai Enterprises
2	Production Capacity	Recycling of EPS (Thermocol) & Industrial Packaging Plastic Waste - 240 MTPA
3	Total Plot Area	563.94 Sq M.
4	Proposed Site Location	Plot No. 0, Akbar Colony, Selaqui, Tehsil – Vikasnagar, District –Dehradun, Uttarakhand.
5	Coordinates of Project site	Latitude: 30°22'4.89"N, Longitude: 77°51'9.21"E
6	Water Requirement(KLD)	Total Water- 1.0 KLD Fresh Water –0.90 KLD Recycle Water – 0.10 KLD
7	Source of Water	Jal Nigam Supply
8	Waste Water Management Waste water generation Mode of Disposal	0.70 KLD of waste water generated from Domestic Purpose which will be subjected to Septic Tank/Soak Pits.
9	Solid waste Generation & Disposal	Municipal Solid Waste –6.0 kg/day It will be segregated at source, collected in bins and disposed off as per UKPCB Norms.
10	Hazardous Waste Generation & Disposal	Nil.
11	E-Waste	Nil.



12	Green Area Development	33.0 % of total plot area.
13	Total Manpower	30 Nos.
14	Electricity/Power requirement	200 KVA
15	Alternate Power Source	Nil.
16	Utilities	Nil
17	Land form, Land use and land ownership	Industrial land.
18	Project cost	0.30 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 has made the following observations-

- The Project Proponent has submitted an undertaking pertaining to abiding certain conditions. The Project Proponent shall ensure to follow the undertaking in toto.
- 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.
- No further expansion or modifications in the plan shall be carried out without the prior approval of competent authority.
- 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<sub>x</sub>, NO<sub>x</sub>, CO, VOC and HC) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- The DG 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.
- The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system. Dust Suppression during construction activity shall be ensured. Acoustic enclosures shall be provided with all machineries and DG sets on site complying with Noise Levels as per CPCB standards.
- All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials.
- Project Proponent shall install solar lights on the periphery of its premises.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.

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- 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-3**), the committee recommended the above project for grant of Environmental Clearance.

#### **Proposal – 8**

<b>Online proposal No.</b>	SIA/UK/INFRA2/411302/2022
<b>Name of the Project</b>	Proposed installation of Polyurethane (PU) Manufacturing Unit at Plot No-5, IIE Sector-2, SIDCUL Haridwar.
<b>Name &amp; Address of Proponent</b>	M/s Trueware International LLP by Shri Amit Sharma (Deputy Manager)
<b>Whether New/Expansion/Modernization Project</b>	New
<b>Total Plot Area</b>	10800.00 m <sup>2</sup>
<b>Project Category</b>	B2 & 5(f) Synthetic Organic Chemical enlisted in project/activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/411302/2022 on dated 15<sup>th</sup> February, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposal for Proposed Manufacturing of Acrylic Polymer Emulsion. The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report.

After the detailed discussion and deliberation the committee examined the proposal. The committee found that as per the Office Memorandum Vide No- F.No.IA-J-11013/23/2021-IA-II(I) [E151411] Dated- 24.05.2022 clearly states that the manufacturing of Polyurethane Foam is now not enlisted in any schedule of EIA Notification, 2006. However the manufacturing of chemicals to be used as raw materials for manufacturing of Foam shall attract the provisions of EIA Notification, 2006 as applicable. The Project Proponent has given an undertaking vide his Email dated-01.03.2023 mentioning that "we would like to undertake that we will not manufacture Iso cyanide and processed polyol in our premises. These raw materials will be procured from outside and will be used as raw material of P.U." The Project Proponent has already given an undertaking vide his Email dated-27.02.2023 seeking withdrawal of the above project.

Based on above observations the committee is of the view that the project proponent may be allowed to withdraw the proposal on the basis of the above mentioned facts.

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**Proposal – 9**

Online proposal No.	SIA/UK/MIS/290275/2022
Name of the Project	Proposal for Proposed Hotel at Mauja Katkot Khurd, Pargana Parwadoon, Tehsil- Rishikesh, District- Dehradun.
Name & Address of Proponent	M/s Choice Inn & Motels Pvt. Ltd. by Shri Karan Aggarwal (Director)
Whether New/Expansion Project	New
Total Plot Area	36529.66 m <sup>2</sup>
Total Built up Area	8919.09 m <sup>2</sup>
Project Category	8(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIS/290275/2022 on dated 25<sup>th</sup> August, 2022 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed 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 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	Choice Inn and Motels Pvt. Ltd			
2	Production Capacity	S.No.	Particular		Nos / unit
		1	Land Area		36529.66 sqm
		2	Built up Area		8919.09 sqm
		3	Green Area		9132.00 sqm
		4	Max. Height of building		7.5 mtr
		5	Proposed FAR		0.24
		6	Surface Parking Area		2148.42 sqm
		7	Hotel Rooms		80 nos
		8	Villa (two story)		20 nos
		9	Kitchen & Restaurant		01 no
		10	Banquet Hall		02 nos
		11	Tea Lounge		01 no
		12	Swimming Pool		01 no
13	Spa		01 no		
3	Total Plot Area	36529.66 sqm			
4	Proposed Site Location	Mauja Katkot Khurd, Pargana Parwadoon, Tehsil Rishikesh Dehradun (Uttarakhand).			
5	Coordinates of Project site	Latitude	North Point	30.265501,	78.198603
		Longitude	East Point	30.265596,	78.198720
			South Point	30.265414,	78.198841
			West Point	30.265387,	78.198564
6	Water Requirement(KLD)	70 KLD			
7	Source of Water	Uttarakhand Jal Sansthan & Bore Well			
8	Waste Water Management Waste water generation Mode of Disposal	Use of Water	Water requirement	Waste water generation	Mode of Disposal
		Domestic	111KLD	KLD	STP70KLD
		Laundry Effluent	12 KLD	10 KLD	ETP 10 KLD
9	Solid waste Generation & Disposal	<ul style="list-style-type: none"><li>Solid waste from the Resort cum Motel will be 50kg/day, out of which 75kg will be biodegradable, and 45kg Non-biodegradable and 30kg inert waste.</li><li>STP Sludge 150kg/month</li><li>The 75kg/day biodegradable organic wastes will be treated inside the premises by Organic Waste Converter.</li><li>Recyclable and non-recyclable wastes will be disposed through Govt. approved agency.</li><li>STP Sludge will be used as manure.</li></ul>			
10	Hazardous Waste Generation & Disposal	Lube Oil		Recyclable.	
		ETP Sludge from Laundry		Incinerable	
11	E-Waste	E-Waste will be disposed off as per norms whenever generated			



		in the unit.
12	Green Area Development	About 9132 sqm area is already reserved for green belt development
13	Total Manpower	25 nos
14	Electricity/Power requirement	1400 KVA from UPCL
15	Alternate Power Source	D.G. Set of 250 KVA x 1nos
16	Utilities	DG Set, STP & ETP
17	Land form, Land use and land ownership	Owned Land, Plain and flat land having Tourism use.
18	Project cost	Rs. 16.01 Cr.
19	Corporate Environment Responsibility (CER)	Rs. 10 Lacs

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 obtained conditional NOC from Divisional Forest Officer, Dehradun. DFO, Dehradun vide his letter no- 08/12-1/P.A Dehradun dated- 07.07.2022 while giving NOC has mentioned that the proposed site is adjoining to reserve forest area moreover in the lower portion of the proposed site 548 trees are there which is of the nature of forest. The NOC has been granted based on the undertaking that no felling of trees shall be undertaken. However, the project proponent has presented a layout plan before the committee which shows proposed construction of villas on the lower side of the land where trees are present.
- Hence, it was decided by the committee that a sub-committee shall visit the project site to ascertain the ground reality and submit their report.

Hence the committee decided to defer the project.

#### Proposal – 10

Online proposal No.	SIA/UK/RIV/411196/2022
Site Details	Hydro Electric Project (72 MW) at Tiuni Plas, Dist- Dehradun.
Name & Address of Proponent	M/s Uttarakhand Jal Vidyut Nigam Limited, Ujjwal Bhawan, Maharani Bagh, GMS Road, Dehradun
Coordinates	Latitude- 29°51'8.30" N to 29°51'6.94" N Longitude- 79°55'45.34" E to 79°55'40.15" E
Mining Lease Area	5.809 Ha.
Category	B1 & 1(c) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/RIV/411196/2022 on dated 18<sup>th</sup> December, 2022 by the project proponent. The committee observed that proponents seek Environmental Clearance for Hydro Electric Project (72 MW) in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(c). **The committee considered the proposal after EIA/EMP & Public Hearing.** The committee observed that the initial ToR letter was issued to the Uttarakhand Project Development and Construction Corporation Ltd. (UPDCC) vide letter No- F.No.J-12011/22/2017-IA-I (R) Dated- 06.09.2017 by the MoEF&CC after that the project was allotted to the M/s Uttarakhand Jal Vidyut Nigam Limited (UJVNL) by the Uttarakhand Government. Then the ToR was transferred to M/s UJVNL by MoEF&CC vide letter No- F.No.J-12011/22/2017-IA-I (R) Dated- 14.07.2022 and the public hearing was conducted on dated-23.12.2019. MoEF&CC vide its notification no- SO 1886 (E) dated-20.04.2022, has made it clear that **hydroelectric projects with threshold limit < 100 MW hydroelectric power generation will fall under category "B"**. The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc. **Project was prepared by Accredited consultancy firm M/s EQMS India Pvt. Ltd. and project was presented by Shri S.K. Jain, Director & EIA Coordinator.**

The committee (barring Shri S.S. Bist, Chairman 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	Tiuni Plas HEP, District Dehradun, Uttarakhand



2	Production Capacity	72MW
3	Total Plot Area	54.636ha
4	Proposed Site Location	Village-Raigi, Tehsil Tiuni, District Dehradun, Uttarakhand
5	Coordinates of Project site	Barrage: 30° 57'20" N, 77°51'30" E Powerhouse: 30°55' N, 77° 50'20" E
6	Water Requirement (KLD)	300 KLD
7	Source of Water	Tons River
8	Waste Water Management Waste water generation Mode of Disposal	51.6KLD. which shall be treated through STP and effluent used in watering of green belt development.
9	Solid waste Generation & Disposal	MSW-459Ton/annum during construction and 135Ton/annum during operation
10	Hazardous Waste Generation & Disposal	Nil
11	E-Waste	Nil
12	Green Area Development	Around the periphery of the reservoir 3ha area shall be brought under plantation besides 1500 saplings shall be planted as avenue plantation and in colony area. Apart from this Under the Catchment Area Treatment Plan, it is proposed to carry out afforestation/plantation in about 500 ha besides pasture development in 60 ha area.
13	Total Manpower	About 800 workers would be engaged temporarily during peak construction period. During operation about 50 people will get employment for O&M.
14	Electricity/Power requirement	Construction power requirement will be about 5 MW
15	Alternate Power Source	In case of grid failure or load shedding diesel generator sets (250 KVA) shall be deployed
16	Utilities	Project colony in 4.966 ha and about 21.5km of new roads
17	Land form, Land use and land ownership	Total land requirement for project is 54.636ha which is comprised of 7.089ha agriculture land and 47.547ha forest land.
18	Project cost	Rs. 905.80 Crores (July 2021 price level).
19	Corporate Environment Responsibility (CER)	Rs 470.00 lakh (on the basis of issues raised during public hearing).

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 informed the committee that the stage-I Forest Clearance under FC Act, 1980 has not been granted yet.
- The Project Proponent informed the committee that CAT plan is yet to be approved.
- The study of floral and faunal diversity submitted in the EIA report seems to be inadequate. The Project Proponent is advised to further substantiate it.
- Approved Rehabilitation & Resettlement plan shall also be submitted as per RFCT LARRA, 2013.

Based on above observations the committee decided to defer the above project.

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

##### **Proposal – 1**

Online proposal No.	SIA/UK/MIN/80925/2022
Site Details	Proposed Extraction of Soapstone at Village- Mayoo Moosa, Tehsil & District-Bageshwar.
Name & Address of Proponent	M/s Dev Bhoomi Mines, Address- Chandni Chowk, Rampur Road, Haldwani District - Nainital.
Coordinates	Latitude- 29°50'23.54"N to 29°50'23.86"N Longitude- 79°51'29.11"E to 79°51'28.50"E
Mining Lease Area	9.988 Ha.
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006.



The project was submitted vide proposal no SIA/UK/MIN/80925/2022 on dated 20<sup>th</sup> July, 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 Cognizance Research India Pvt. Ltd. and project was presented by Shri Ankur Sharma, Managing Director & 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 – 2

Online proposal No.	SIA/UK/MIN/69220/2021
Site Details	Proposed Extraction of Soapstone at Village- Pangchora, Tehsil-Kanda, District-Bageshwar.
Name & Address of Proponent	Shri Puran Singh Majila S/o Shri Nandan Singh Majila, Village-Pangchora, Tehsil-Kanda & District-Bageshwar.
Coordinates	Latitude- 29°49'9.49"N to 29°49'0.10"N Longitude- 79°52'53.80"E to 79°52'56.30"E
Mining Lease Area	11.233 Ha
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006.

The project was submitted vide proposal no SIA/UK/MIN/69220/2021 on dated 17<sup>th</sup> Novmeber, 2021 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm Cognizance Research India Pvt. Ltd. and project was presented by Shri Ankur Sharma, Managing Director & EIA Coordinator.**

Hence, committee agreed to recommend **ToR (Annexure-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/404830/2022
Site Details	Proposed Extraction of Soapstone at Village- Khuldori, Teh & District-Bageshwar.
Name & Address of Proponent	Shri Vinod Singh S/o Shri Harish Chandra Singh & Shri Charu Sharma S/o Shri Satish Chandra Sharma.
Coordinates	Latitude- 29°52'42.13"N to 29°52'41.22"N Longitude- 79°48'14.10"E to 79°48'14.06"E
Mining Lease Area	3.136 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).

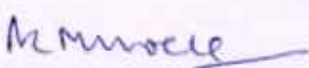
The project was submitted vide proposal no SIA/UK/MIN/404830/2022 on dated 3<sup>rd</sup> November, 2022 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). As per the MoEF&CC No- 3181 dated- 14-08-2018 the project fall in B2. But according to latest O.M of MoEFF&CC Impact Assessment Division's O.M No- F.No.L-11011/175/2018-IA-II(M) dated-12-12-2018 the following mining project is falling in B1 category because there are other mine 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.**



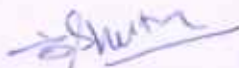
Hence, committee agreed to recommend **ToR (Annexure-4)** to the proponent for preparation of EIA report. The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project. The Project Proponent shall follow all relevant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




(Shri S.S. Bist)  
Chairman, SEAC




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



(Dr. Ashutosh Gautam)  
Member, SEAC



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

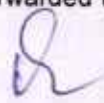


(Shri Nitish Mani Tripathi)  
Secretary, SEAC



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. The project site should be well demarcated with fence/boundary wall and made a No Entry Zone. The building plan and structural design of composting plant shall comply with requirements of Seismic Zone - V as outlined in National Building Code
3. 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. There shall not be any felling of trees during construction
4. Temporary storage units should be erected in the construction site. Transportation of construction materials and also transportation of waste shall be restricted to non peak hours. The dust pollution shall be suppressed by regular water sprinkling
5. The use of ready mixed concrete/premised concrete, curing agents and other such practices shall be adopted to minimize use of water on site. Light and pre fabricated materials shall be used as far as possible to reduce load on ground/earth
6. The water requirement during construction phase shall be met from regular water supply/open source. The use of groundwater shall be strictly prohibited. Construction work requiring water shall not be carried out during 30<sup>th</sup> April to 15<sup>th</sup> June in the year
7. The construction machineries and also machineries used in composting plant/land fill and DG sets shall have acoustic enclosures to reduce noise level as per CPCB norms
8. During construction of service roads/link roads, cut and fill method/technique shall be followed
9. The garbage dump sites shall have proper confinement /protection to negate any chances of run off to adjoining water body during rains
10. The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system as approved by UKPCB
11. The vehicles used at the construction site and also transportation of solid waste shall comply with emission norms and noise level standards of CPCB and State Transport Department. They should be operated only during non peak hours. The transportation of waste shall be carried out in a closed environment and not in open vehicles. The vehicles carrying waste to collection points and processing areas shall be properly labeled for public awareness
12. Energy consumption measures like installation of CFLs/TFLs for the external lighting area should be ensured. The disposal of used CFLs/TFLs should be properly collected and disposed off as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination
13. 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
14. 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.
15. The fire safety arrangements and emergency exit plan in the composting plant/unit should be as per the norms of the concerned regulatory authority/agency.
16. The entire site after construction activities should carry signages of danger zone, garbage collection points, environment awareness etc.
17. SEIAA/SEAC, Uttarakhand shall be given full cooperation, facilities and documents/data by the project proponents during their inspection regarding implementation of environmental safeguards.
18. The SEIAA reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
19. All other statutory clearances shall be obtained, as applicable by project proponents from the competent authorities.
20. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local body and the local NGO, if any from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall be put on the website of the Company by the proponent.
21. The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance. The advertisement shall be made within 7 days from the day of issue of the clearance letter and a copy of the same shall be forwarded to the Regional office of MoEF&CC, Govt of India at Dehradun.









22. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional office of MoEF&CC, the respective Office of SEIAA.
23. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project. Any appeal against the Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under provision of National Environment Appellate Act, 1997.

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## Annexure-2

- 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) 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.
- 5) 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.
- 6) 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.
- 7) 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.
- 8) No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards.
- 9) 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.
- 10) The gaseous emissions ( $\text{SO}_x$ ,  $\text{NO}_x$ , CO, VOC and HC) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- 11) 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.
- 12) 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.
- 13) 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.
- 14) 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.
- 15) 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.
- 16) 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.
- 17) 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.
- 18) 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.

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- 19) 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.
- 20) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- 21) The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.
- 22) 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.
- 23) 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.
- 24) 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.
- 25) Solar panel/energy should be encouraged/installed in the premises.
- 26) The project proponent shall undertake in eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- 27) 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.
- 28) The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.

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- 1) 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.
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- 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.
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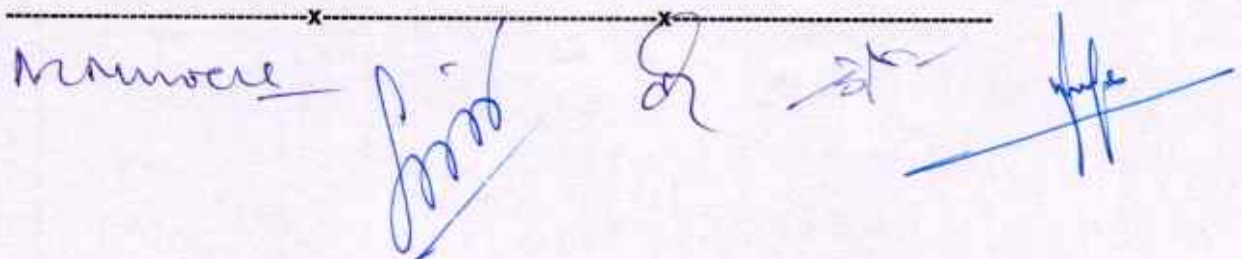
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- 19) Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- 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.
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- 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.
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- 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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Terms of Reference (ToR)

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

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

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

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

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



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

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

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

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- 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.

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