

**4State 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: 37 / SEAC  
Dated: 4, October, 2023

The 14<sup>th</sup> meeting of the Uttarakhand State Level Expert Appraisal Committee (SEAC) was held on 4<sup>th</sup> October, 2023 at the SEIAA/SEAC office Dehradun. The following were present at the meeting –

- |                               |                                    |
|-------------------------------|------------------------------------|
| 1) Shri Shailendra Singh Bist | Chairman                           |
| 2) Dr. Ashwani Kumar Minocha  | Member                             |
| 3) Dr. AshutoshGautam         | Member                             |
| 4) Dr.Basudev Prasad Purohit  | Member                             |
| 5) Shri Nitish Mani Tripathi  | Member Secretary (Attended online) |

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

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

**Proposal – 1**

Online proposal No.	SIA/UK/INFRA2/444917/2023
Name of the Project	Proposed Group Housing Project atkh. no. 283 da,292, 293, 294 ka, 294 kha, 295 ka, 296, 301, 302, 303, 304, 305, 306, 307 ka, 307 kha, 308 ka, 308 kha,309, 310, 311, 312, 313, 315 ka, 315 kha,316 ka,316kha,317,318,319 ka, 319 kha, 320 kha,320 ka, 321 kha, 321 ka, 322, 323 ka,323 kha,324 ka,324 ga,324 kha, 325 kha,325 ka,326 ga,326 ka, 326 kha, 327ka, 327 ga, 328 ka, 328 kha, 328 gha, 329 ka,329 ga,329 gha,329 kha, 330 ka, 330 kha, TarlaNagal, ParganaParwadoon, Tehsil-Sadar District- Dehradun
Name & Address of Proponent	Shri Amit Aggarwal &Shri Anuj Aggarwal both S/o Late Sh. Naveen Aggarwal
Whether New/Expansion/Modernization Project	New
Total Plot Area	36730.00 m <sup>2</sup>
Total Built up Area	79593.60 m <sup>2</sup>
Project Category	8(a) as enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/444917/2023on dated 19<sup>th</sup> September, 2023by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Group Housing Project. The proponent has submitted detailed project related information in Form 1, Form 1-A, Conceptual Plan. Project was prepared by Accredited consultancy firm Enviro Infra Solutions Pvt. Ltd. and project was presented by Shri Vinay Kumar Singh, EIA Coordinator& Shri Deepak Pandey, Functional Area Expert (FAE). The details of the project are as follows:-

S.No	Parameters	Description
1.	Plot Area	36730.00 sq. m.
2.	Proposed Built Up Area	79593.60 sq. m
3.	Total no of Saleable DU's	530
4.	Total EWS Unit	96
5.	Max Height of Building (Upto Terrace)	21 m
6.	Max No of Floors	7 Floors
7.	Cost of Project	Rs. 192.00 Crores
8.	Expected Population	3629
9.	Proposed Ground Coverage Area	12288.13 sq.m (34.88 %)
10.	Proposed FAR Area	79593.60 sq. m
11.	Total Water Requirement	525 KLD

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12.	Fresh water requirement	345 KLD
13.	Waste water Generation	455 KLD
14.	Proposed STP Capacity	455 KLD
15.	No of RWH of Pits Proposed	01Nos
16.	Total Proposed Parking	1546Nos.
17.	Proposed Green Area	5547.70 sq. m
18.	Municipal Solid Waste Generation	0.91 TPD
19.	Total Power Requirement	2810 KW
20.	DG set backup	1600 KW

**Salient features details:**

S.No	Parameters	Description
<b>GENERAL</b>		
1.	Plot Area	36730.00 sq. m.
2.	Proposed Built Up Area	79593.60 sq. m
3.	Number of Building Blocks	7 Blocks
4.	Total no of Saleable DU's	530
5.	Max Height of Building (Upto Terrace)	21 m
6.	Max No of Floors	07 Floors
7.	Cost of Project	Rs. 192.00 Crores
8.	Expected Population	3629
9.	Permissible Ground Coverage Area	35%
10.	Proposed Ground Coverage Area (34.68%)	12288.13
11.	Permissible FAR Area (@2.44)	2.44
12.	Proposed FAR Area	79593.60 sq. m
13.	Proposed NoN FAR Area	Not applicable
14.	Proposed Built Up Area	79593.60sq. m
<b>WATER</b>		
15.	Total Water Requirement	525 KLD
16.	Fresh water requirement	345 KLD
17.	Waste water Generation	455 KLD
18.	Proposed STP Capacity	455 KLD
19.	Treated Water Available for Reuse	409 KLD
20.	Recycled Water	230 KLD
21.	Surplus Treated water	179 KLD
<b>RAIN WATER HARVESTING</b>		
22.	Rain Water Harvesting Potential	01 Rain Water Harvesting Tank (41 cum)
23.	No of RWH of Pits Proposed	1
<b>PARKING</b>		
24.	Total Parking Required as per building Bye Laws	625 ECS
25.	Total Proposed Parking	1546 Nos.
26.	Proposed Surface Parking	244 ECS
27.	Proposed Stilt/Podium Parking	389 ECS
28.	Proposed Basements Parking	913 ECS
<b>GREEN AREAS</b>		
29.	Required Green Area	3543.15 sq. m
30.	Proposed Green Area	5547.70 sq. m
<b>WASTE GENERATION</b>		
31.	Municipal Solid Waste Generation	0.91 TPD
32.	Bio Degradable waste	0.36 TPD
33.	Quantity of Sludge Generated from STP	40 KLD
<b>POWER</b>		
34.	Total Power Requirement	2810KW
35.	DG set backup	1600 KW

**Land use details:**

S.No	Parameters	Description
1.	Ground Coverage Area	12288.13 SQM
2.	Green Area	5547.70 SQMT
3.	Parking Area	1546 sq. m
4.	Total Plot Area	36730 sq. m

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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 has submitted a Sanction letter File No-R/0829/23-24 dated-22.05.2023 for approval of map from MDDA. The project proponent shall get the approval of MDDA as per the layout submitted. In case of any change in the proposed layout plan the Project Proponent shall inform the SEIAA and shall seek amended Environmental Clearance.
- Project Proponent shall install dual-plumbing system for proper utilization of STP treated water. No STP water shall be discharged in sewer line.
- The Project proponent shall undertake appropriate measures to manage storm water.
- Project Proponent shall comply green building norms.
- Project Proponent shall construct underground fire water storage tank having a capacity of 1.0 Lakh Liter.
- The Project proponent shall construct rain water harvesting tank equivalent 41 m<sup>3</sup> and appropriate no of rain water harvesting pits.
- Project proponent shall obtain NOC from concerned aviation authority.
- The Project proponent shall submit an affidavit pertaining to the proper disposal of solid waste through municipal body/ NGO. In case the project proponent is unable to dispose of the solid waste through municipal body/ NGO then in this case the project proponent shall develop composting unit on its own expenditure and desired budgetary provision shall be made for it.
- The project proponent shall construct rainwater harvesting pits in such a manner to prevent the ingress of contaminated water from ETP & STP into rainwater harvesting pit.
- Construction site shall be adequately barricaded before the construction begins dust smoke and other air pollution measures shall be provided for the building as well as the site, these measures shall include screens for the building under construction continuous dust/wind breaking walls around the site (at least 3 meters high).
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site
- The structural design and other aspects of the building shall comply with guidelines of National Building Code. This shall be ensured by concerned Department of State Government/Accredited Agencies
- The building plan and structural design shall comply with requirements of Seismic Zone – IV as outlined in National Building Code.
- Notification GSR 94(E) dated 25-10-2018 of MOEF&CC regarding mandatory implementation of Dust Mitigation Measures for construction and Demolition activity for projects requiring Environmental Clearance shall be complied with.
- The disposal of muck should adhere to standards of general safety and health concerns of local people and also it should have no adverse effect on the neighboring community.
- DG Set shall be used only as backup power. The capacity of the proposed 3 DG set not exceeding 1600KW in total and it should have stack height complying with CPCB norms.
- Fixtures of showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices/sensor based control. Dual plumbing system shall be installed separately for fresh water and waste water.
- The use of glass may be reduced by upto 40 percent to reduce the electricity consumption and load on air conditioning. If necessary then use of high quality double glass may be encouraged with special reflective coating in windows.
- The use of LED and such other power saving devices shall be maximized. Common areas and landscape areas shall be illuminated with solar lighting system. At least 40 percent of the total power requirement after completion of construction unit shall be met from solar energy.
- Rainwater harvesting for roof top and surface run off should be ensured as per the plan submitted. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles. The bore well for rain water recharging should be kept at 5 meters above the highest ground water table.
- One third of the total project site area shall be converted into green belt. The green belt shall not include kitchen garden, flower pots and grasses/herbs in the area. It shall comprise of tree stand of aesthetic/fruit/timber value. Quality planting material has to be used during plantation as per standards of State Forest Department.
- Acoustic enclosures shall be provided with all construction machineries and DG sets on site complying with Noise Levels of CPCB standards. The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system as approved by UKPCB.





- The construction debris may be used for land fill or disposed through authorized vendors. The Hazardous substances generated during construction activity shall be disposed off as required by Hazardous Waste (Management, Handling) Rules, 1989 (as amended from time to time). Efforts shall be maximized for use of low toxicity substitutes and low VOC materials.
- The vehicles used at the construction site should comply with emission norms and noise level standards of CPCB and State Transport Department. They should be operated only during non peak hours.
- All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time.
- Adequate drinking water and sanitation facility has to be provided on site for the workforce. Provision should be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.
- The entire site after construction activities should carry signages of garbage collection points, environment awareness etc.
- The proponent shall ensure safety measures against river meandering. It shall also undertake river meandering study in the locality and then construct suitable protective structures for river training
- Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- All workers working at the construction site and involved in loading, unloading carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- A first aid room shall be provided in the project both during construction and operations of the project.
- The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent the record shall be submitted to the Regional office, MoEF&CC, 25 Subhash Road, Dehradun and SEIAA Uttarakhand along with six monthly monitoring reports.
- On site treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert a report in this regard shall.
- A STP of capacity 455 KLD shall be installed for treating waste water upto tertiary level. Sewage Treatment Plant shall be complying with parameters of CPCB/UKPCB guidelines. Treated water should be used for flushing, green belt development, road washing, DG cooling and other miscellaneous purposes.
- The excess treated waste water may be transported through tankers to adjoining construction sites or industrial areas as the demand arises.
- The installation of sewage treatment plant should be certified by an independent expert and a report in this regard should be submitted to the UKPCB. Necessary measures should be made to mitigate the odour problem from STP.
- Guidelines of Municipal Solid Waste (Management & Handling) Rules, 2000 (as amended from time to time) should be followed for disposal of solid waste. Two bin collection system for bio degradable and non-bio degradable waste should be adopted. Bio degradable waste shall be sent to composting pit and non biodegradable/inert waste disposed off through authorized recyclers. STP sludge shall be dried and used as organic manure.
- DG sets shall be used only in emergency purpose. The use of solar energy and inverter shall be ensured and maximized as backup power.
- Adequate parking space shall be develop for staff and guests.
- Proper restroom and toilets shall be provided for service workers, drivers & accompanying staff, if any
- All directions of Fire Department shall be complied.
- Provisions shall be made for the integration of Solar Power System.
- The project proponent shall submit halfyearly compliance report of stipulated conditions of Environment Clearance in soft copy through PARIVESH PORTAL given link: <https://parivesh.nic.in>. Yearly monitoring of ground water table and quality should be carried out and should be submitted to SEIAA and UKPCB, Uttarakhand.
- No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)

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- The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.
- Project Proponent will operate on the principle of zero liquid discharge.
- Project Proponent will submit water balance chart especially in relation to maintaining zero liquid discharge.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- Under CER, Project Proponent apart from other activities, will also install Solar lights and distribute forest fire fighting equipments to the local groups (Mahilamangal dal/ Yuvakmangal dal/ Vanpanchayat) in the adjoining villages close to forest areas in consultation with local Forest Officials. The project proponent will also strengthen the nearest government primary school in terms of infrastructure and other desired facilities
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

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

#### Proposal – 2

Online proposal No.	SIA/UK/INFRA2/445372/2023
Name of the Project	Proposed Residential Group Housing Project situated at Kh. No.1161 Ka, 1167, 143 /2 (New No 1170 Ka) Mauza Ajabpur Kalan Pargana- Central Doon, Distt- Dehradun
Name & Address of Proponent	M/s Shree Bankey Bihari Associates LLP by Shri Arvind Kumar Garg (Partner)
Whether New/Expansion/ Modernization Project	New
Total Plot Area	6780.00 m <sup>2</sup>
Total Built up Area	20218.50 m <sup>2</sup>
Project Category	8(a) as enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/445372/2023 on dated 22<sup>nd</sup> September, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Group Housing Project. The proponent has submitted detailed project related information in Form 1, Form 1-A, Conceptual Plan. Project was prepared by Accredited consultancy firm Enviro Infra Solutions Pvt. Ltd. and project was presented by Shri Vinay Kumar Singh, EIA Coordinator & Shri Deepak Pandey, Functional Area Expert (FAE). The details of the project are as follows:-

S.No	Parameters	Description
21.	Plot Area	6780.00 sq. m.
22.	Proposed Built Up Area	20218.50 sq. m.
23.	Total no of Saleable DU's	177 Nos
24.	Total EWS Unit	27 Units
25.	Max Height of Building (Upto Terrace)	30 m
26.	Max No of Floors	10 Floors
27.	Cost of Project	90.00 Crores
28.	Expected Population	1123 nos.
29.	Proposed Ground Coverage Area	2243.41 sq. m (33.09%)
30.	Proposed FAR Area	20218.50 sq. m.
31.	Total Water Requirement	179 KLD
32.	Fresh water requirement	116 KLD
33.	Waste water Generation	155 KLD

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34.	Proposed STP Capacity	160 KLD
35.	No of RWH of Pits Proposed	01 No
36.	Total Proposed Parking	370Nos.
37.	Proposed Green Area (15.14% of Plot Area)	1024.47 sq. m.
38.	Municipal Solid Waste Generation	0.28 TPD
39.	Total Power Requirement	730KW
40.	DG set backup	350 KW

**Salient features details:**

S.No	Parameters	Description
<b>GENERAL</b>		
36.	Plot Area	6780.00 sq. m.
37.	Proposed Built Up Area	20218.50 sq. m.
38.	Number of Building Blocks	02 Blocks
39.	Total no of Saleable DU's	177 Nos
40.	Max Height of Building (Upto Terrace)	30 m
41.	Max No of Floors	10 Floors
42.	Cost of Project	90.00 Crores
43.	Expected Population	1123 nos.
44.	Permissible Ground Coverage Area	35%
45.	Proposed Ground Coverage Area	2243.41 sq. m (33.09 %)
46.	Permissible FAR Area (@ 2.30)	2.30%
47.	Proposed FAR Area	20218.50 sq. m
48.	Proposed NoN FAR Area	Not Applicable
49.	Proposed Built Up Area	20218.50 sq. m.
<b>WATER</b>		
50.	Total Water Requirement	179 KLD
51.	Fresh water requirement	116 KLD
52.	Waste water Generation	155 KLD
53.	Proposed STP Capacity	160 KLD
54.	Treated Water Available for Reuse	140 KLD
55.	Recycled Water	84 KLD
56.	Surplus Treated water	56 KLD
<b>RAIN WATER HARVESTING</b>		
57.	Rain Water Harvesting Potential	Rain Water Harvesting Tank with capacity 8 cum
58.	No of RWH of Pits Proposed	01
<b>PARKING</b>		
59.	Total Parking Required as per building Bye Laws	177 ECS
60.	Total Proposed Parking	370 ECS
61.	Proposed Surface Parking	66 ECS
62.	Proposed Stilt/Podium Parking	80 ECS
63.	Proposed Basements Parking	224ECS.
<b>GREEN AREAS</b>		
64.	Required Green Area	1024.47 sq. m
65.	Proposed Green Area (15% of Plot Area) (360 numbers of tree proposed to planted)	1024.47 sq. m
<b>WASTE GENERATION</b>		
66.	Municipal Solid Waste Generation	0.28 TPD
67.	Bio Degradable waste	0.11 TPD
68.	Quantity of Sludge Generated from STP	15kg/day
<b>POWER</b>		
69.	Total Power Requirement	730KW
70.	DG set backup	350 KW

**Land use details:**

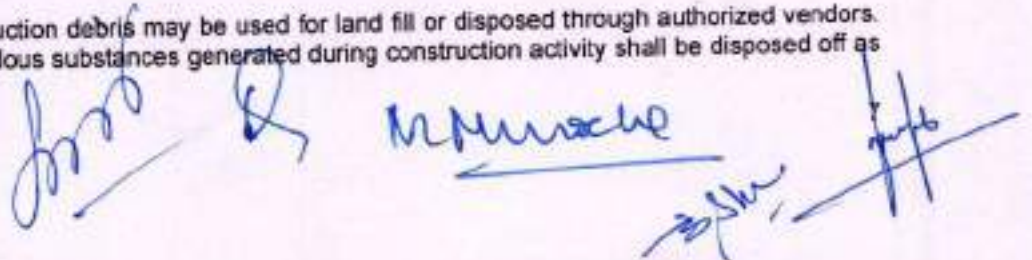
S.No	Parameters	Description
5.	Ground Coverage Area	20218.50 sq. m.
6.	Green Area	1024.47 SQMT
7.	Road/Paved Parking Area	370 Nos
8.	Total Plot Area	6780.00 sq. m.

*Handwritten signatures and initials are present below the table.*



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

- The Project proponent has submitted a Demand Note File No-MAP/P/R/2992/22-23 dated-26.08.2023 for approval of map from MDDA. The project proponent shall get the approval of MDDA as per the layout submitted. In case of any change in the proposed layout plan the Project Proponent shall inform the SEIAA and shall seek amended Environmental Clearance.
- Project Proponent shall install dual-plumbing system for proper utilization of STP treated water. No STP water shall be discharged in sewer line.
- The Project proponent shall construct rain water harvesting tank equivalent 08 m<sup>3</sup> and appropriate no of rain water harvesting pits.
- The Project proponent shall undertake appropriate measures to manage storm water.
- Project Proponent shall comply green building norms.
- Project Proponent shall construct underground fire water storage tank having a capacity of 1.0 Lakh Ltr.
- The Project proponent shall submit an affidavit pertaining to the proper disposal of solid waste through municipal body/ NGO. In case the project proponent is unable to dispose of the solid waste through municipal body/ NGO then in this case the project proponent shall develop composting unit on its own expenditure and desired budgetary provision shall be made for it.
- The project proponent shall construct rainwater harvesting pits in such a manner to prevent the ingress of contaminated water from ETP & STP into rainwater harvesting pit.
- Construction site shall be adequately barricaded before the construction begins dust smoke and other air pollution measures shall be provided for the building as well as the site, these measures shall include screens for the building under construction continuous dust/wind breaking walls around the site (at least 3 meters high).
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site
- The structural design and other aspects of the building shall comply with guidelines of National Building Code. This shall be ensured by concerned Department of State Government/Accredited Agencies
- The building plan and structural design shall comply with requirements of Seismic Zone - IV as outlined in National Building Code.
- Notification GSR 94(E) dated 25-10-2018 of MOEF&CC regarding mandatory implementation of Dust Mitigation Measures for construction and Demolition activity for projects requiring Environmental Clearance shall be complied with.
- The disposal of muck should adhere to standards of general safety and health concerns of local people and also it should have no adverse effect on the neighbouring community.
- DG Set shall be used only as backup power. The capacity of the proposed 1 no DG set shall not exceed 350 KW and it should have stack height complying with CPCB norms.
- Fixtures of showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices/sensor based control. Dual plumbing system shall be installed separately for fresh water and waste water.
- The use of glass may be reduced by upto 40 percent to reduce the electricity consumption and load on air conditioning. If necessary then use of high quality double glass may be encouraged with special reflective coating in windows.
- The use of LED and such other power saving devices shall be maximized. Common areas and landscape areas shall be illuminated with solar lighting system. At least 40 percent of the total power requirement after completion of construction unit shall be met from solar energy.
- Rainwater harvesting for roof top and surface run off should be ensured as per the plan submitted. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles. The bore well for rain water recharging should be kept at 5 meters above the highest ground water table.
- One third of the total project site area shall be converted into green belt. The green belt shall not include kitchen garden, flower pots and grasses/herbs in the area. It shall comprise of tree stand of aesthetic/fruit/timber value. Quality planting material has to be used during plantation as per standards of State Forest Department.
- Acoustic enclosures shall be provided with all construction machineries and DG sets on site complying with Noise Levels of CPCB standards. The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system as approved by UKPCB.
- The construction debris may be used for land fill or disposed through authorized vendors. The Hazardous substances generated during construction activity shall be disposed off as





required by Hazardous Waste (Management, Handling) Rules, 1989 (as amended from time to time). Efforts shall be maximized for use of low toxicity substitutes and low VOC materials.

- The vehicles used at the construction site should comply with emission norms and noise level standards of CPCB and State Transport Department. They should be operated only during non peak hours.
- All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time.
- Adequate drinking water and sanitation facility has to be provided on site for the workforce. Provision should be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.
- The entire site after construction activities should carry signages of garbage collection points, environment awareness etc.
- The proponent shall ensure safety measures against river meandering. It shall also undertake river meandering study in the locality and then construct suitable protective structures for river training
- Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- All workers working at the construction site and involved in loading, unloading carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- A first aid room shall be provided in the project both during construction and operations of the project.
- The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent the record shall be submitted to the Regional office, MoEF&CC, 25 Subhash Road, Dehradun and SEIAA Uttarakhand along with six monthly monitoring reports.
- On site treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert a report in this regard shall.
- A STP of capacity 160 KLD shall be installed for treating waste water upto tertiary level. Sewage Treatment Plant shall be complying with parameters of CPCB/UKPCB guidelines. Treated water should be used for flushing, green belt development, road washing, DG cooling and other miscellaneous purposes.
- The excess treated waste water may be transported through tankers to adjoining construction sites or industrial areas as the demand arises.
- The installation of sewage treatment plant should be certified by an independent expert and a report in this regard should be submitted to the UKPCB. Necessary measures should be made to mitigate the odour problem from STP.
- Guidelines of Municipal Solid Waste (Management & Handling) Rules, 2000 (as amended from time to time) should be followed for disposal of solid waste. Two bin collection system for bio degradable and non-bio degradable waste should be adopted. Bio degradable waste shall be sent to composting pit and non biodegradable/inert waste disposed off through authorized recyclers. STP sludge shall be dried and used as organic manure.
- DG sets shall be used only in emergency purpose. The use of solar energy and inverter shall be ensured and maximized as backup power.
- Adequate parking space shall be develop for staff and guests.
- Proper restroom and toilets shall be provided for service workers, drivers & accompanying staff, if any
- All directions of Fire Department shall be complied.
- Provisions shall be made for the integration of Solar Power System.
- The project proponent shall submit halfyearly compliance report of stipulated conditions of Environment Clearance in soft copy through PARIVESH PORTAL given link: <https://parivesh.nic.in>. Yearly monitoring of ground water table and quality should be carried out and should be submitted to SEIAA and UKPCB, Uttarakhand.
- No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)
- The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous and other Wastes

*[Handwritten signatures and initials]*



(Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

- Project Proponent will operate on the principle of zero liquid discharge.
- Project Proponent will submit water balance chart especially in relation to maintaining zero liquid discharge.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- Under CER, Project Proponent apart from other activities, will also install Solar lights and distribute forest fire fighting equipments to the local groups (Mahilamangal dal/ Yuvakmangal dal/ Vanpanchayat) in the adjoining villages close to forest areas in consultation with local Forest Officials. The project proponent will also strengthen the nearest government primary school in terms of infrastructure and other desired facilities
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

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

### Proposal – 3

Online proposal No.	SIA/UK/INFRA2/445778/2023
Name of the Project	Proposed Expansion for manufacturing of Pharmaceutical Formulation in existing unit at Plot No. 15-A & 15B Pharmacy, Selaqui, Tehsil- Vikasnagar, District- Dehradun.
Name & Address of Proponent	M/s Verve Human Care Laboratories (A unit of Venor Pharma Limited) by Shri Viswas Verma (Director)
Whether New/Expansion/ Modernization Project	New
Total Plot Area	4100.00 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/INFRA2/445778/2023 on dated 26<sup>th</sup> September, 2023 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Proposed Expansion for manufacturing of Pharmaceutical Formulation in existing unit. The committee observed that this project activity is covered under Orange Category as per the Doon Valley Notification 1989 (as amended). The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. Project was prepared by Accredited consultancy firm M/s Rian Enviro Pvt. Ltd. and project was presented by Shri Muzaffar Ahmad, EIA Coordinator. The details of the project are given below:-

S.No	Parameters	Description				
1.	Products and quantity	S. No	Product	Existing	Proposed	Total
		1.	Tablet	1.4 Lacs Nos./Day	28.1 Lacs Nos./Day	29.5 Lacs Nos./Day
		2.	Injection	1.0 Lacs Nos./Day	19.5 Lacs Nos./Day	20.5 Lacs Nos./Day
		3.	Liquid Syrup	-	1.6 lacs Litre/day	1.6 lacs Litre/day
		4.	Transdermal Patches		27.39 Lacs Nos./Day	27.39 Lacs Nos./Day
2.	Estimated Project Cost	78.70 Crores				
3.	Total Plot Area	4100.00 Sq.m				
4.	Existing Green Area					
5.	Proposed Green Area	1353.00Sq.m				
6.	Fresh Water Consumption	37.0 KLD				

*[Handwritten signatures and initials are present below the table]*



7.	Fresh Water Source	Borewell
8.	Power Demand	Existing - 500 KVA Proposed - 700 KVA Total - 1200 KVA (Sources - UPCL)
9.	Power back up	Existing - 400 KVA Proposed - 625 KVA Total - 400 KVA & 625 KVA
10.	Wastewater Management	Existing: ETP cum STP (10 KLD) Proposed : Augmented ETP cum STP (25 KLD)
11.	Steam and heating system	Existing - 600 Kg/Hr. Proposed - 850 Kg/Hr. Total - 600 Kg/Hr. & 850 Kg/Hr.
12.	Fuel Consumption	Boiler- LPG (2.5 Kg/Hr.) DG Sets - HSD (50.0 Ltr/Hr.)

**Land use details:**

S.No	Parameters	Description
1.	Ground Coverage	
2.	Road and Paved area	
3.	Green Area	1353.00 Sq. m
4.	Open Area	
	<b>Total Plot Area</b>	<b>4100.00 Sq.m</b>

**Raw material details:**

S.No	Major Raw Material	Avg. consumption MT per Annum	Source	Mode of Transport
1.	Active Ing. & Excipients	108 MT		Road

**Domestic Water Demand and Effluent Generation:**

S.No.	Uses	Population/ area	Consumption rate	Water requirement [KLD]	Domestic Effluent [KLD]
1	Domestic uses [drinking, sanitation]	450 Nos.		9.00	6.00
2	Flushing water	450 Nos.		4.00	4.00
3	Gardening	1353 Sq. m		8.00	0.00
	<b>Total</b>			<b>21.00</b>	<b>10.00</b>

**Industrial Water Demand and Effluent Generation:**

S.No.	Uses	Water requirement [KLD]	Effluent Generation [KLD]
1	Process	18.00	6.0
2	Boiler	5.00	1.0
3	Cooling Tower	6.00	0.00
	<b>Total</b>	<b>29.0</b>	<b>7.00</b>

**Solid waste details:**

S.No.	Waste Detail	Quantity Generation	Utilization/Disposal
1	Spent Oil	280(KG /Annum)	Authorized Recycler
2	Contaminated Barrels	350(Nos./Year)	Authorized Recycler
3	ETP Sludge	10 (KG/month)	Sent To TSDF
4	Process Residue	25(KG / Month)	Sent To TSDF
5	Expired Medicines	15(KG / Month)	Sent To TSDF

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

- Project Proponent shall not produce Beta lactum, Ceflosporin, Anti-Cancer drugs, Narcotics.
- Project Proponent shall install solar panels on the roof top.
- Project Proponent shall carry out water audit once in a year and shall submit the report along with six monthly compliance report.
- Project Proponent shall develop additional green belt in the Gram panchayat/forest land.
- Project Proponent shall dispose off discarded medicines/raw materials to authorized TSDF/CBWTF as per applicable rules.

*Mamooj* *Jim* *Shub* *Yash*



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



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

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

#### Proposal – 4

Online proposal No.	SIA/UK/MIN/411066/2022
Site Details	Proposed Extraction of Soapstone at Village - Sasola, Tehsil - Kanda, District- Bageshwar.
Name & Address of Proponent	Shri Ashok Pal S/o Shri Ramesh Pal R/o – AmbikaVihar, Haldwani, District-Nainital
Coordinates	Pillar wise 1 to 36 Lat- 29°50'09.39"N to 29°50'08.36"N Long- 79°54'15.26"E to 79°54'15.82"E
Mining Lease Area	4.752 Ha.
Category	B2 & 1(a) enlisted in project /activity as per EIA Notification, 2006

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

The Committee is of the view that due to unavailability of original cluster issued by SDM as mandated by SEIAA OM- 592/SEIAA dated-14.01.2021 and ecological sensitive certificate of 10 Km radial distance of concerned mine, the present case is deferred till the above document is made available to SEAC.

#### Proposal – 5

Online proposal No.	SIA/UK/MIN/415043/2023
Site Details	Extraction of Sand/Bajri/Boulder at Khasra No- 2152-2154, 2196, 2899-2914, 3003-3005, 3316, 3435, Village -Naithana, Patti- Chauras, Tehsil - Kirtinagar, District- TehriGarhwal.
Name & Address of Proponent	M/s Kikileshwar Mining Company by Shri Satye Singh Rama, R/o- KailashGate Muni-Ki-Reti, District- TehriGarhwal.
Coordinates	Lat - 30°13'41.86"N to 30°13'43.247"N Long- 78°46'21.14"E to 78°46'21.767"E
Mining Lease Area	9.72Ha.
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/415043/2023 on dated 25<sup>th</sup> May, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Sand/Bajri/Boulder in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was

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granted by the SEAC in its meeting dated- 08.07.2021, the ToR letter was issued vide letter No.- 230/SEAC dated-15.07.2021 and the public hearing was conducted on dated-30.05.2022. The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc. **Project was prepared by Accredited consultancy firm M/s NatureanlyticaEnvirocare Solutions Pvt. Ltd. and project was presented by Shri O. P. Shukla, EIA Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description						
1.	Name of the Project Proponent	M/s Killeshwar Mining Company						
2.	Registered Address	Village – Naithanat, Patti Churas, Tehsil - Keertinagar, District - TehriGarhwal, Uttarakhand						
3.	Full correspondence address of proponent and mobile no.	Mr. Sateye Singh Rana(Partner) Kailash Gate, Muni Ki Reti, District – TehriGarhwal, Uttarakhand.						
4.	Name of Project	RBM (Sand, Bajri, Boulders) mining project at near village – Naithana, Tehsil – Keertinagar, District – TehriGarhwal.						
5.	Project Location (Plot.Khasra/Gata No.)	Project located at Khasra No. 2152 to 2154, 2196, 2899 to 2914, 3003 to 3005, 3316, 3435 at near village – Naithana, Tehsil – Keertinagar, District – TehriGarhwal.						
6.	Name of Village	Naithana						
7.	Tehsil	Keertinagar						
8.	District	TehriGarhwal						
9.	State	Uttarakhand						
10.	Name of Minor Mineral	RBM (Sand, Bajri, Boulders)						
11.	Sanctioned Lease Area (in Ha.)	9.72 HA						
12.	Max. & Min mRL within lease area	Max - 1430.20 Min – 1238.10						
13.	Pillar Coordinates (Verified by DMO)	The area lies between Latitude : 30°13'41.86° N Longitude: 78°46'21.14° E To Latitude : 30°13'43.247° N Longitude: 78°46'21.767° E						
14.	Letter of Intent	As per DM Tehri order No. 150/30-85 (2018-2019), Dated, NaiTehri 16 January 2021, in compliance State Government G.O. letter No. 1775/VII-A-1/2020/234Kha/01 dated 06 November 2020, up to 31 May 2024.						
15.	Mine Plan approval details	Mine Plan aproved via letter no. 885/khanan/bhu. kani/M.Plan dated 24.06.2021.						
16.	Validity of Mine Plan	Upto 31.05.2024						
17.	Total geological reserves	1197188 TPA						
18.	Total Proposed Production (In 3 Years)	<b>Proposed Production details Year wise:</b> <table><tr><td>First Year (2021-22)</td><td>519156 TPA</td></tr><tr><td>Second Year (2022- 23)</td><td>519156 TPA</td></tr><tr><td>Third Year (2023 -24)</td><td>519156 TPA</td></tr></table>	First Year (2021-22)	519156 TPA	Second Year (2022- 23)	519156 TPA	Third Year (2023 -24)	519156 TPA
First Year (2021-22)	519156 TPA							
Second Year (2022- 23)	519156 TPA							
Third Year (2023 -24)	519156 TPA							
19.	Sanctioned Period of Mine lease	10 years						
20.	Method of Mining	Open cast Manual method						
21.	No. of working days	250						
22.	Working hours/day	8 hours/ day						
23.	No. of workers	24						
24.	Type of Land	Govt. land						
25.	Ultimate Depth of Mining	3 m						
26.	Water Requirement	5 KLD						
27.	Any litigation pending against the project or land in any court	No						
28.	Ecological Sensitive Map/zone	No						
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Attached						
30.	Proposed CER cost	1.49 lakh						
31.	Proposed EMP cost	2.00 lakhs						

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32.	No. of Trees to be Planted.	500
33.	Detail of CTE/CTO issued by UPPCB	-
34.	Project Cost	90.0 Lacs

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

- The mining shall be done only during day time.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- The committee also suggested that mine site should have well demarcated safety zone i.e. mining operation will not be carried out in the vicinity of 100 m from nearby bridges, educational institution or structures of historical importance.
- The project proponent shall construct 2 nos of toilets (1 male & 1 female) in nearby school with water tank and solar lights facility and shall maintain the same on regular basis.
- The committee desired that proponent should undertake afforestation activities in the buffer zone as well as in the nearby project site. Minimum 5000 plants will be planted in first two years followed by maintenance in the next three years. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The committee suggested that the proponent should provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- The Project Proponent shall follow Sustainable Sand Mining Management Guideline, 2016 & Enforcement and Monitoring Guideline for Sand Mining, 2020.
- Approved DSR of District TehriGarhwalis present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The mine working will be open cast by manual method without involving drilling & blasting. The mining is confined to extraction of Sand/Bajri/Boulder(River Bed Material).
- The extraction of Sand/Bajri/Boulder(River Bed Material) shall be stopped during monsoon season.
- The quantity of mineral to be extracted should be fixed sustainably based on replenishment study.
- The Project Proponent shall obtain prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) if any, required for the project.
- It shall be ensured that there is no leakage of oil and grease in the river from the vehicles use for the transportation.
- Vehicular emission shall be kept under control and regularly monitored. The vehicles carrying minerals shall not be over loaded.
- Periodical medical examination of the workers engaged in the project shall be carried out and records are to be maintained.
- Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any mining activity at the site.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.

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- The EC issued will be coterminus with the Forest Clearance issued by MoEF&CC, GOI.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

Based on above observations and subject to submission original ecological sensitive certificate of 10 Km radial distance from competent authority and conditions (Annexure-3), the committee recommended the above project for grant of Environmental Clearance.

#### Proposal – 6

Online proposal No.	SIA/UK/MIN/415250/2023
Site Details	Extraction of Sand, Bajari and Boulder at Khasra No: 1195, 1196, 1197 to 1199, 1203, 1204, 1206 Vill-Ranihat, Patti- Chauras, Tehsil – Keertinagar, District- TehriGarhwal.
Name & Address of Proponent	Smt. Sushila Devi W/o Shri Sateye Singh R/o- Muni Ki Reti, District- TehriGarhwal
Coordinates	Pillar wise (A to G) Lat - 30°12'34.965"N to 30°13'33.540"N Long- 78°46'0.327"E to 78°46'59.18"E
Mining Lease Area	10.65 Ha.
Category	B1& 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/415250/2023 on dated 25<sup>th</sup> May, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Sand/Bajri/Boulder in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was granted by the SEAC in its meeting dated- 08.07.2021, the ToR letter was issued vide letter No.- 229/SEAC dated- 15.07.2021 and the public hearing was conducted on dated- 31.05.2022. The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc. Project was prepared by Accredited consultancy firm M/s Natureanalytica Envirocare Solutions Pvt. Ltd. and project was presented by Shri O. P. Shukla, EIA Coordinator. The details of the project are as follows:-

S.No	Parameters	Description
1.	Name of the Project Proponent	M/s Sushila Devi and SateyaSingh Rana
2.	Registered Address	Village – Ranihat, Patti Chauras, Keertinagar, TehriGarhwal, Uttarakhand.
3.	Full correspondence address of proponent and mobile no.	Mr. Sateye Singh Rana R/o, Kailash Gate, Muni Ki Reti, District – TehriGarhwal, Uttarakhand.
4.	Name of Project	RBM (Sand, Bajri, Boulders) mining project on the river bed of Alaknanda river at near village – Ranihat, Tehsil – Keertinagar, District - TehriGarhwal, Uttarakhand.
5.	Project Location (Plot/Khasra/Gata No.)	Khasra no – 1195, 1196, 1197 to 1199, 1203, 1204, 1206 at near village – Ranihat, Tehsil – Keertinagar, District – TehriGarhwal, Uttarakhand.
6.	Name of Village	Ranihat
7.	Tehsil	Keertinagar
8.	District	TehriGarhwal
9.	State	Uttarakhand
10.	Name of Minor Mineral	RBM
11.	Sanctioned Lease Area (in Ha.)	10.65 HA
12.	Max. & Min mRL within lease area	Max - 1430.20 Min – 1238.10
13.	Pillar Coordinates (Verified by DMO)	The area lies between Latitude : 30°13'34.965° N Longitude: 78°46'0.327° E To Latitude : 30°13'33.540° N Longitude: 78°45'59.18° E

*[Handwritten signatures and initials are present below the table, including a large signature on the left and several initials on the right.]*



14.	Letter of Intent	As per DM Tehri order No. 150/30-85 (2018-2019), Dated, NaiTehri 16 January 2021, in compliance State Government G.O. letter No. 1775/VII-A-1/2020/234Kha/01 dated 06 November 2020, up to 31 May 2024.							
15.	Mine Plan approval details	Mine Plan aproved via letter no. 886/khanan/bhu. kani/M.Plan dated 24.06.2021.							
16.	Validity of Mine Plan	31.05.2024							
17.	Total geological reserves	1267576 T							
18.	Total Proposed Production (In 3 Years)	<b>Year-wise production details:</b> <table><tr><td>First Year (2021-22)</td><td>632610 TPA</td></tr><tr><td>Second Year (2022- 23)</td><td>632610 TPA</td></tr><tr><td>Third Year (2023 -24)</td><td>632610 TPA</td></tr></table>		First Year (2021-22)	632610 TPA	Second Year (2022- 23)	632610 TPA	Third Year (2023 -24)	632610 TPA
First Year (2021-22)	632610 TPA								
Second Year (2022- 23)	632610 TPA								
Third Year (2023 -24)	632610 TPA								
19.	Sanctioned Period of Mine lease	10 years							
20.	Method of Mining	Open cast manual mining method							
21.	No. of working days	275							
22.	Working hours/day	8 hours/day							
23.	No. of workers	24							
24.	Type of Land	Govt. land							
25.	Ultimate Depth of Mining	3 m							
26.	Water Requirement	5 KLD							
27.	Any litigation pending against the project or land in any court	No							
28.	Ecological Sensitive Map/zone	No							
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Attached							
30.	Proposed CER cost	1.49 lakh							
31.	Proposed EMP cost	2.00 lakhs							
32.	No. of Trees to be Planted.	500							
33.	Detail of CTE/CTO issued by UPPCB	-							
34.	Project Cost	90.0 Lacs							

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

- The mining shall be done only during day time.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- The committee also suggested that mine site should have well demarcated safety zone i.e. mining operation will not be carried out in the vicinity of 100 m from nearby bridges, educational institution or structures of historical importance.
- The project proponent shall construct 4 nos of toilets (2 male & 2female) in nearby highway with water tank and solar lights facility and shall maintain the same on regular basis.
- The committee desired that proponent should undertake afforestation activities in the buffer zone as well as in the nearby project site. Minimum 5000 plants will be planted in first two years followed by maintenance in the next three years. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The committee suggested that the proponent should provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- The Project Proponent shall follow Sustainable Sand Mining Management Guideline, 2016 & Enforcement and Monitoring Guideline for Sand Mining, 2020.
- Approved DSR of District TehriGarhwal is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The mine working will be open cast by manual method without involving drilling & blasting. The mining is confined to extraction of Sand/Bajri/Boulder(**River Bed Material**).
- The extraction of Sand/Bajri/Boulder(**River Bed Material**)shall be stopped during monsoon season.
- The quantity of mineral to be extracted should be fixed sustainably based on replenishment study.



- The Project Proponent shall obtain prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) if any, required for the project.
- It shall be ensured that there is no leakage of oil and grease in the river from the vehicles use for the transportation.
- Vehicular emission shall be kept under control and regularly monitored. The vehicles carrying minerals shall not be over loaded.
- Periodical medical examination of the workers engaged in the project shall be carried out and records are to be maintained.
- Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any mining activity at the site.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.
- The project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
- The EC issued will be coterminous with the Forest Clearance issued by MoEF&CC, GOI.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

Based on above observations and subject to submission original ecological sensitive certificate of 10 Km radial distance from competent authority and conditions (Annexure-3), the committee recommended the above project for grant of Environmental Clearance.

#### Proposal - 7

Online proposal No.	SIA/UK/MIN/415495/2023
Site Details	Extraction of Sand/Bajri/Boulder at Khata No: 109: Khasra No:1, 17, 22ma, 23ma, 84ma, Village-Jhalakudi, Tehsil- Poomagiri District-Champawat.
Name & Address of Proponent	M/s Kumaon Mandal Vikas Nigam Limited (KMVN) Oak Park House, Mallital, Nainital.
Coordinates	Pillar wise- A to L Lat-29°11'47.70"N to 29°11'46.40"N Long- 80°3'27.21"E to 80°3'29.90"E
Mining Lease Area	5.83 Ha.
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/415495/2023 on dated 25<sup>th</sup> May, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Sand/Bajri/Boulder in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was granted by the SEAC in its meeting dated- 30.09.2021, the ToR letter was issued vide letter No.-245/SEAC dated- 08.10.2021 and the public hearing was conducted on dated-28.06.2022. The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc. Project was prepared by Accredited

*[Handwritten signatures and initials]*



consultancy firm M/s NatureanalyticaEnvirocare Solutions Pvt. Ltd. and project was presented by Shri O. P. Shukla, EIA Coordinator. The details of the project are as follows:-

S.No	Parameters	Description																																							
	Name of the Project Proponent	Kumaon Mandal Vikas Nigam Limited																																							
2.	Registered Address	Kumaon Mandal Vikas Nigam Limited (KMVN) Oak Park House, MallitalNainital , Uttarakhand 263002																																							
3.	Full correspondence address of proponent and mobile no.	Kumaon Mandal Vikas Nigam Limited (KMVN) Oak Park House, MallitalNainital , Uttarakhand 263002																																							
4.	Name of Project	Proposed RBM (Sand,Bajri,and Boulder) Mining Project located at Khata No: 109,Khasra No: 1, 17,22ma, 23ma, 84ma at near village Jhalakudi, Tehsil – Poornagiri, District – Champawat, Uttarakhand.																																							
5.	Project Location (Plot.Khasra/Gata No.)	Khata No: 109,Khasra No: 1, 17, 22ma, 23ma, 84ma at near village Jhalakudi, Tehsil – Poornagiri, District – Champawat, Uttarakhand																																							
6.	Name of Village	Jhalakudi																																							
7.	Tehsil	Poomagiri																																							
8.	District	Champawat																																							
9.	State	Uttarakhand																																							
10.	Name of Minor Mineral	RBM																																							
11.	Sanctioned Lease Area (in Ha.)	5.83 HA																																							
12.	Max. & Min mRL within lease area	Max - 618.25 Min – 608.16																																							
13.	Pillar Coordinates (Verified by DMO)	<table><tr><th>Point</th><th>latitude</th><th>longitude</th></tr><tr><td>A</td><td>29°11'47.70"N</td><td>80° 3'27.21"E</td></tr><tr><td>B</td><td>29°11'47.03"N</td><td>80° 3'36.90"E</td></tr><tr><td>C</td><td>29°11'48.40"N</td><td>80° 3'52.90"E</td></tr><tr><td>D</td><td>29°11'48.70"N</td><td>80° 40.96"E</td></tr><tr><td>E</td><td>29°11'47.03"N</td><td>80° 40.85"E</td></tr><tr><td>F</td><td>29°11'45.40"N</td><td>80° 3'58.02"E</td></tr><tr><td>G</td><td>29°11'42.09"N</td><td>80° 3'52.10"E</td></tr><tr><td>H</td><td>29°11'46.10"N</td><td>80° 3'52.00"E</td></tr><tr><td>I</td><td>29°11'46.90"N</td><td>80° 3'52.80"E</td></tr><tr><td>J</td><td>29°11'46.30"N</td><td>80° 3'49.80"E</td></tr><tr><td>K</td><td>29°11'45.30"N</td><td>80° 3'36.90"E</td></tr><tr><td>L</td><td>29°11'46.40"N</td><td>80° 3'29.90"E</td></tr></table>	Point	latitude	longitude	A	29°11'47.70"N	80° 3'27.21"E	B	29°11'47.03"N	80° 3'36.90"E	C	29°11'48.40"N	80° 3'52.90"E	D	29°11'48.70"N	80° 40.96"E	E	29°11'47.03"N	80° 40.85"E	F	29°11'45.40"N	80° 3'58.02"E	G	29°11'42.09"N	80° 3'52.10"E	H	29°11'46.10"N	80° 3'52.00"E	I	29°11'46.90"N	80° 3'52.80"E	J	29°11'46.30"N	80° 3'49.80"E	K	29°11'45.30"N	80° 3'36.90"E	L	29°11'46.40"N	80° 3'29.90"E
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14.	Letter of Intent	Letter no. 140/ khanna/AashyaPatra/KMVN/Bhu.Khni./2018-19, dated 15 <sup>th</sup> April 2021																																							
15.	Mine Plan approval details	419/Khanan, Bhu. Khani/M Plan/202-21 dated 24.05.2021																																							
16.	Validity of Mine Plan	5 years																																							
17.	Total geological reserves	731082 T																																							
18.	Total Proposed Production (In 5 Years)	<b>Year wise production details:</b> <table><tr><td>First Year</td><td>332310</td></tr><tr><td>Second Year</td><td>332310</td></tr><tr><td>Third Year</td><td>332310</td></tr><tr><td>Fourth Year</td><td>332310</td></tr><tr><td>Fifth Year</td><td>332310</td></tr></table>	First Year	332310	Second Year	332310	Third Year	332310	Fourth Year	332310	Fifth Year	332310																													
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19.	Sanctioned Period of Mine lease	5 years																																							
20.	Method of Mining	Open cast manual mining method																																							
21.	No. of working days	275																																							
22.	Working hours/day	8 hours/day																																							
23.	No. of workers	50																																							
24.	Type of Land	Govt. land																																							
25.	Ultimate Depth of Mining	3 m																																							
26.	Water Requirement	8.5 KLD																																							

*[Handwritten signatures and initials]*



27.	Any litigation pending against the project or land in any court	No
28.	Ecological Sensitive Map/zone	Attached
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Attached
30.	Proposed CER cost	2.3 lakhs
31.	Proposed EMP cost	9.0 lakhs
32.	No. of Trees to be Planted	4000
33.	Detail of CTE/CTO issued by UPPCB	-
34.	Project cost	20.0 Lacs

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

- The mining shall be done only during day time.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- The committee also suggested that mine site should have well demarcated safety zone i.e. mining operation will not be carried out in the vicinity of 100 m from nearby bridges, educational institution or structures of historical importance.
- The committee desired that proponent should undertake afforestation activities in the buffer zone as well as in the nearby project site. Minimum 30000 plants as committed KMVN official during public hearing on dated 28.06.2022 shall be planted in consultation with forest department or gram panchayat for which suitable budget provision be made in the EMP. The plants so planted in first two years followed by maintenance in the next three years. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The committee suggested that the proponent should provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- The Project Proponent shall follow Sustainable Sand Mining Management Guideline, 2016 & Enforcement and Monitoring Guideline for Sand Mining, 2020.
- Approved DSR of District Champawat is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The mine working will be open cast by manual method without involving drilling & blasting. The mining is confined to extraction of Sand/Bajri/Boulder(River Bed Material).
- The extraction of Sand/Bajri/Boulder(River Bed Material) shall be stopped during monsoon season.
- The quantity of mineral to be extracted should be fixed sustainably based on replenishment study.
- The Project Proponent shall obtain prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) if any, required for the project.
- It shall be ensured that there is no leakage of oil and grease in the river from the vehicles use for the transportation.
- Vehicular emission shall be kept under control and regularly monitored. The vehicles carrying minerals shall not be over loaded.
- Periodical medical examination of the workers engaged in the project shall be carried out and records are to be maintained.
- Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any mining activity at the site.
- Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.


*[Handwritten signatures and initials]*



- 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 has submitted a certificate issued by DFO, Champawat Forest Division vide his letter no- 1020/12-1 dated-29.09.2021 certifying that the proposed area for mining does not fall within 10 KM radius of any National Park/Sanctuary.
- This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.
- The EC issued will be coterminus with the Forest Clearance issued by MoEF&CC, GOI.
- The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.
- Concealing factual data or submission of false/fabricated information/data and failure to comply with of any conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

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

  
(Shri S.S. Bist)  
Chairman, SEAC

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

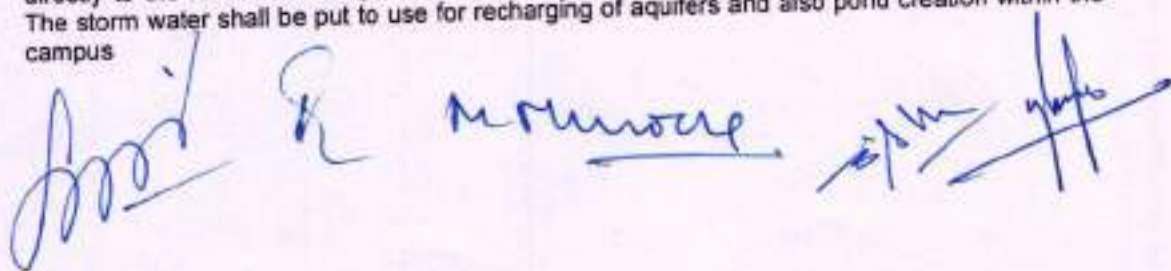
  
(Dr. Ashutosh Gautam)  
Member, SEAC

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

  
(Shri Nitish Mani Tripathi)  
Member Secretary, SEAC  
(Attended Online)



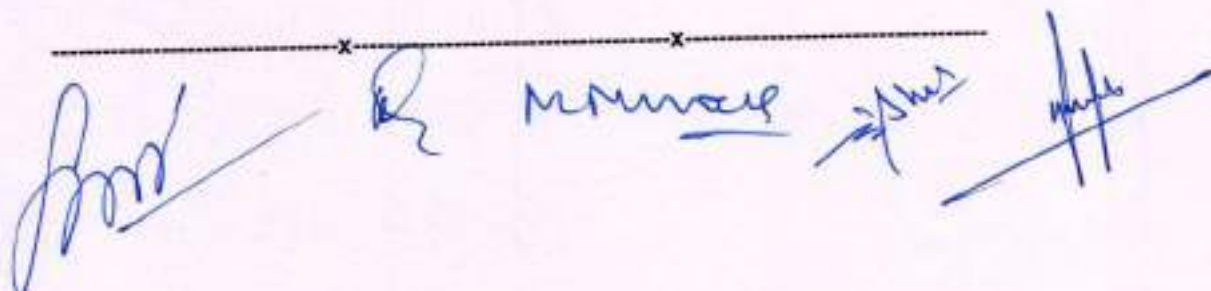
- 1.1. Consent to Establish shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site
- 1.2. No further expansion or modifications in the plan shall be carried out without the prior approval of competent authority.
- 1.3. The Site Lay out plan and Building plan should have been approved by the concerned Department/Agency of the State Government before work start up at the construction site. The structural design and other aspects of the building shall comply with guidelines of National Building Code. This shall be ensured by concerned Department of State Government/Accredited Agencies
- 1.4. The building plan and structural design shall comply with requirements of Seismic Zone - IV as outlined in National Building Code
- 1.5. The topsoil excavated during construction work shall be used for backfilling/landscape development/green belt development. The same shall not be disposed off outside the boundaries of project site without approval of Competent Authority
- 1.6. The onsite levelling and dressing should ensure minimal vegetation clearing and soil erosion. If necessary organic mulching should be done to avoid soil erosion. There shall not be any felling of green trees for the purpose of this project
- 1.7. The disposal of muck should adhere to standards of general safety and health concerns of local people and also it should have no adverse effect on the neighbouring community. The muck shall not be disposed off in adjoining forest areas without meeting requirements of Forest (Conservation) Act, 1980.
- 1.8. Temporary storage units should be erected in the construction site and transportation of construction materials shall be restricted to non-peak hours. The dust pollution shall be suppressed by regular water sprinkling
- 1.9. The use of ready mixed concrete/premised concrete, curing agents and other such practices shall be adopted to minimize use of water on site
- 1.10. All stacking and loading areas should be provided with proper garland drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials must not be allowed to contaminate watercourse and dumpsites as such materials leach into ground water.
- 1.11. The water requirement during construction phase shall be met from regular water supply/private tankers. There shall be no extraction of ground water and water requirement for the project in operational phase shall be met entirely from private tankers. Construction work requiring water shall not be carried out during 30<sup>th</sup> April to 15<sup>th</sup> June in the year
- 1.12. The soil and groundwater samples shall be tested from accredited agencies and it shall be ensured that they comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.
- 1.13. DG Sets shall be used only as backup power and it should have stack height complying with CPCB norms.
- 1.14. Fixtures of showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices/sensor based control. Dual plumbing system shall be installed separately for fresh water and waste water.
- 1.15. The use of glass may be reduced by upto 40 percent to reduce the electricity consumption and load on air conditioning. If necessary then use of high quality double glass may be encouraged with special reflective coating in windows.
- 1.16. The use of LED and such other power saving devices shall be maximized. Common areas and landscape areas shall be illuminated with solar lighting system. At least 10 percent of the total power requirement after completion of construction unit shall be met from solar energy.
- 1.17. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, 2006 which is proposed to be mandatory for all air-conditioned spaces while non air-conditioned spaces should have appropriate thermal insulation materials. The U values of the roof, external wall and fenestration shall also meet specifications of ECBC, 2006.
- 1.18. Rainwater harvesting for roof top and surface run off should be ensured as per the plan submitted. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles. The bore well for rain water recharging should be kept at 5 metres above the highest ground water table
- 1.19. The storm water management shall be so designed as to avoid discharge of water directly to the forest areas/adjoining locality which may lead to water logging in nearby areas. The storm water shall be put to use for recharging of aquifers and also pond creation within the campus





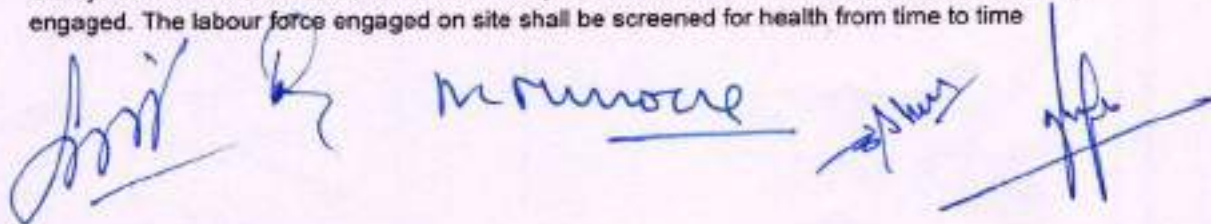
- 1.20. One third of the total project site area shall be converted into green belt. The green belt shall not include kitchen garden, flower pots and grasses/herbs in the area. It shall comprise of tree stand of aesthetic/fruit/timber value. Quality planting material has to be used during plantation as per standards of State Forest Department.
- 1.21. Acoustic enclosures shall be provided with all construction machineries and DG sets on site complying with Noise Levels of CPCB standards. The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system as approved by UEPPCB.
- 1.22. The construction debris may be used for land fill or disposed through authorized vendors. The Hazardous substances generated during construction activity shall be disposed off as required by Hazardous Waste (Management, Handling) Rules, 1989 (as amended from time to time). Efforts shall be maximized for use of low toxicity substitutes and low VOC materials.
- 1.23. The construction work shall be restricted to Sunrise to Sunset period in a day. Any construction activity beyond this period shall be subject to approval of Competent/Designated Authority from time to time.
- 1.24. The vehicles used at the construction site should comply with emission norms and noise level standards of CPCB and State Transport Department. They should be operated only during non peak hours.
- 1.25. All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time.
- 1.26. Adequate drinking water and sanitation facility has to be provided on site for the workforce. Provision should be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- 1.27. The use of plastics during construction activity shall be bare minimum and efforts to use timber substitute materials should be maximized.
- 1.28. The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.
- 1.29. The entire site after construction activities should carry signages of garbage collection points, environment awareness etc.
- 1.30. A STP shall be installed for treating waste water upto permissible standards and complying with parameters of CPCB/UEPPCB guidelines & no treated waste water is allowed to take outside the premises for any uses.
- 1.31. Guidelines of Municipal Solid Waste (Management & Handling) Rules, 2000 (as amended from time to time) should be followed for disposal of solid waste. Two bin collection system for bio degradable and non bio degradable waste should be adopted. Bio degradable waste shall be sent to composting pit and non biodegradable/inert waste disposed off through authorized recyclers. STP sludge shall be dried and used as organic manure.
- 1.32. Energy consumption measures like installation of LED/TFLS for the external lighting area should be ensured. The disposal of used LED/TFLS should be properly collected and disposed off as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
- 1.33. DG sets shall be used only in emergency purpose. The use of solar energy and inverter shall be ensured and maximized as backup power.
- 1.34. Solar panel/energy should be encouraged/installed in the premises.
- 1.35. The project proponent shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines from time to time in force, as applicable to the project.
- 1.36. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data to this Authority and Integrated regional office of MoEF&CC, Govt of India at Dehradun.

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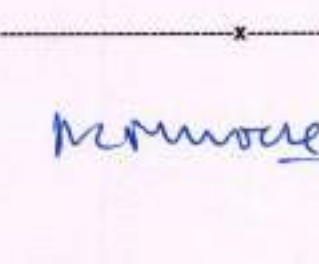




- 1) Consent to Establish/Consent to Operate shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site.
- 2) The building plan and structural design of the unit shall comply with requirements of Seismic Zone - IV as outlined in National Building Code.
- 3) No further expansion or modifications in the plan shall be carried out without the prior approval of competent authority.
- 4) The Project Authority shall strictly comply with provisions of Doon Valley Notification, 1989 & 2020
- 5) During any type of construction in the existing land area, the topsoil excavated shall be used for backfilling/ landscape development/ green belt development. The same shall not be disposed off outside the boundaries of project site without approval of Competent Authority.
- 6) The groundwater samples shall be tested from accredited labs and it shall be ensured that test results comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.
- 7) All stacking and loading areas should be provided with proper garland drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials must not be allowed to contaminate watercourse and dumpsites as these may leach into ground water
- 8) The manufacturing process shall be carried out in closed atmosphere without having any air emissions. However air emissions from DG set should comply with CPCB norms by designing stack of adequate height
- 9) No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards.
- 10) All the hazardous residue and wastes arising from units shall be either sent to TSDF for land filling or for incineration. Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc.
- 11) The gaseous emissions ( $SO_x$ ,  $NO_x$ , CO, VOC and HC) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- 12) Fugitive emissions in the work zone environment, product, raw materials and storage areas shall be regularly monitored. The emissions shall conform to the limits imposed by the UKPCB/Central Pollution Control Board. Dust / Powder from the formulation process shall be collected by dust extractor.
- 13) The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storages and Import of Hazardous Chemicals Rules, 1989, as amended from time to time. Authorization from the UKPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
- 14) The DG sets shall use Low Sulphur Diesel type fuel and should have stack height complying with CPCB norms. DG set should be operated only during power failure in emergency situation.
- 15) The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system. Dust Suppression during construction activity shall be ensured. Acoustic enclosures shall be provided with all machineries and DG sets on site complying with Noise Levels as per CPCB standards.
- 16) All liquid raw materials shall be stored in storage tanks and drums. Closed handling systems for chemicals and solvents shall be provided. Magnetic seals shall be provided for pumps/agitators for reactors for reductions of fugitive emissions.
- 17) The vehicles used at the factory site should comply with emission norms and noise level standards of CPCB and State Transport Department. They should be operated only during non peak hours.
- 18) All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time



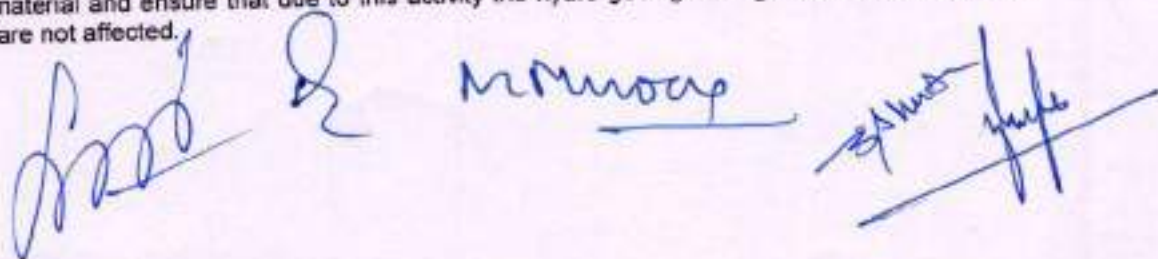


- 19) Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- 20) Training shall be imparted to all employees on safety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

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- 1) Legal status of the mining lease area shall remain unchanged and the Environmental Clearance shall remain coterminous with the lease period. The mined lease area shall not be used for any purpose other than that specified in the proposal
- 2) In case of flash flood and river changing its meandering course, then fresh proposal has to be submitted for grant of Environmental Clearance
- 3) The project proponent shall formulate a transparent and unbiased procedure for engagement of labourers for sustainable extraction of the minor minerals from the mining lease area
- 4) The boundary of the mined lease area shall be demarcated on ground by erecting pillars, each inscribed with its serial number, DGPS coordinates, forward and back bearing, and distance from adjoin pillars etc. This demarcation will be ensured by the Revenue Department. A bench mark will be established to monitor depth of the mining
- 5) Extraction of minor minerals shall be restricted to middle half of the width of river bed/mining site after leaving intact the one-fourth of width of the river bed/mining site along its each bank. Breaking of boulders shall not be permitted in the mining lease area
- 6) The collection of minor minerals during a working season shall start from centre of the river/mining site width and shall gradually extend to the boundary of the permissible area so as to ensure maintenance of river geometry. The maximum permissible depth for collection of minor minerals at centre of the river/mining site width shall be fixed at 1.5 meter or up to ground water level whichever is less
- 7) Extraction of minor mineral shall be permissible from 1<sup>st</sup> October of every year to 15<sup>th</sup> June of the subsequent year. It shall be ensured that no mining activity is carried out during the monsoon season. Workers should be advised and protected against flash flood during 1<sup>st</sup> June to 15<sup>th</sup> June and 1<sup>st</sup> Oct to 31<sup>st</sup> Oct during which there may be rains in the hills
- 8) The project proponent has to regulate and maintain record of the quantity of minor minerals extracted during a season. The monitoring shall be ensured by Mines Department/District Administration from time to time
- 9) The extraction of sand, bajri and boulder shall be carried out in open cast manual method as per the approved mine plan.
- 10) The collection time of RBM shall be from sun-rise to sun-set
- 11) The project proponent shall strictly adhere to the norms of Transport Department in refraining from use of polluting and less fuel efficient vehicles for transporting extracted minor minerals. There shall be no over loading of vehicles as against standard norms fixed by Central Government/State Government/Hon'ble Courts from time to time
- 12) There shall be no labour camp in the mining lease area for the labour engaged in collection of the minor minerals. The labour engaged in collection/extraction work shall be provided free fuel wood/alternate source of energy to avoid any pressure on adjoining forest land.
- 13) The proponent shall erect eco friendly mobile toilets for the workforce at site and shall ensure disposal of solid waste as per the existing provisions/rules/guidelines
- 14) The Geology and Mining department shall ensure site specific river training works at the work site to ensure bank protection. A Corpus fund for this purpose will be set up and kept at the disposal of District Magistrate
- 15) The Geology and Mining department should identify an agency for regular/periodical monitoring of quality of ground water of existing hand pumps and tube wells in the vicinity of the mining site
- 16) The project proponent shall ensure that maximum local labour be engaged and hence employment opportunity provided. The project proponent shall follow all safety measures for labour force engaged in accordance with respected Acts/Rules
- 17) The project proponent shall prepare the plan of mining in conformity with the mine lease conditions and the Rules prescribed in this regard thereby clearly delineating the **No Work Zone** in the mine lease area i.e. the distance from the bank of river/mine site to be left un-worked (Non mining area), distance from the bridges etc. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard
- 18) The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro-geological regime of the surrounding area are not affected.





- 19) The project proponent shall ensure refraining from leaving behind clothes, personal belongings of labour engaged, polythene, plastic bottles, carton etc or any other solid waste in work site at the end of working season
- 20) The project proponent will provide protective respiratory devices to workers working in dusty areas and they shall also be provided with adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
- 21) Photography of the proposed mining site as well as the plantation sites undertaken by the project proponent showing GPS coordinates should be done (preferably using Drone) and submitted to SEIAA and regional office of MoEF&CC, Govt of India at Dehradun along with half-yearly compliance report.
- 22) The project proponent should plant 3000 trees in first 2 years and followed by maintainance in the last 3 years. The plants should be planted in the buffer zone of the mining site and in the blank area near by van panchayats/gram sabha land.
- 23) The above environmental safeguards shall be implemented in letter and spirit. The project proponent shall establish Environment Monitoring Cell and also submit six monthly compliance reports to this Authority and regional office of MoEF&CC, Govt of India at Dehradun
- 24) The project proponent shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project

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