

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

Letter No: 52 /SEAC
Dated: 27, February, 2024

The First day of 21st meeting of the Uttarakhand State Level Expert Appraisal Committee (SEAC) was held on 26th February, 2024 at the SEIAA/SEAC office Dehradun. The following were present at the meeting –

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

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

Proposals as Uploaded on PARIVESH 1.0

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

Proposal – 1

Online proposal No.	SIA/UK/MIN/405148/2022
Site Details	Proposed Extraction of Soapstone at Village –Simtoli (Maudhar), Tehsil & Dist- Bageshwar.
Name & Address of Proponent	Shri. Bhupendra Joshi S/o Shri Harish Chandra Joshi, Village- Bagnath Ward, Tehsil & Dist- Bageshwar.
Coordinates	Latitude- 29°48'14.08"N to 29°48'27.39"N Longitude- 79°50'18.88"E to 79°50'29.80"E
Mining Lease Area	11.251 Ha
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/405148/2022 on dated 8th November, 2022 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was issued by the SEAC in its dated- 03.02.2021, the ToR letter was issued vide letter No.-202/SEAC dated- 18.02.2021 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 Cognizance Research India Pvt. Ltd. and project was presented by Shri Vijay Sharma, EIA Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description
1.	Name of the Project Proponent	Shri. Bhupendra Joshi
2.	Registered Address	Village Simtoli (Maudhar), Tehsil & District: Bageshwar, Uttarakhand
3.	Full correspondence address of proponent and mobile no.	Shri. Bhupendra Joshi Bagnath Ward Tehsil & District Bageshwar, Uttarakhand
4.	Name of Project	Proposed Soapstone Project at Village Simtoli (Maudhar), Tehsil & District: Bageshwar, (Area: 11.251 ha.)
5.	Project Location (Plot Khasra/Gata No.)	Village – Adhyali, Tehsil-Kanda & District – Bageshwar, Uttarakhand
6.	Name of Village	Simtoli (Maudhar),
7.	Tehsil	Bageshwar

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8.	District	Bageshwar		
9.	State	Uttarakhand		
10.	Name of Minor Mineral	Soapstone		
11.	Sanctioned Lease Area (in Ha.)	11.251 ha		
12.	Max. & Min mRL within lease area	Max- 1494mRL & Min-1614mRL		
13.	Pillar Coordinates (Verified by DMO)	Pillar No	N	E
		1.	29°48'20.82" N	79°50'24.64" E
		2.	29°48'23.19" N	79°50'21.99" E
		3.	29°48'22.91" N	79°50'19.04" E
		4.	29°48'23.39" N	79°50'18.18" E
		5.	29°48'23.03" N	79°50'17.12" E
		6.	29°48'21.93" N	79°50'18.13" E
		7.	29°48'19.64" N	79°50'20.28" E
		8.	29°48'19.37" N	79°50'17.36" E
		9.	29°48'14.51" N	79°50'17.38" E
		10.	29°48'14.08" N	79°50'18.88" E
		11.	29°48'15.10" N	79°50'21.11" E
		12.	29°48'15.79" N	79°50'20.62" E
		13.	29°48'16.30" N	79°50'21.16" E
		14.	29°48'15.90" N	79°50'22.10" E
		15.	29°48'17.67" N	79°50'27.39" E
		16.	29°48'16.83" N	79°50'30.04" E
		17.	29°48'18.69" N	79°50'31.23" E
		18.	29°48'21.30" N	79°50'30.94" E
		19.	29°48'21.78" N	79°50'29.20" E
14.	Letter of Intent from State Government	(LoI) No. 1830 VII-1/36 Soap Stone / 2016 dated 03.01.2017 for 50 years		
15.	Mine Plan approval details	Letter No.2048 Mu.Kha/Khanan/50/Bage. Bhu/Khani/E/2016-17 dated 20/09/2021 for 5 years period.		
16.	Validity of Mine Plan	5 years (period of mine plan will effect from date of registration of lease deed)		
17.	Total geological reserves	1.165084 MT		
18.	Total Proposed Production (In 5 Years)	First year	10,114 Tonnes	
		Second Year	13,424Tonnes	
		Third year	15,174Tonnes	
		Fourth Year	18,840Tonnes	
		Fifth Year	22,755Tonnes	
19.	Sanctioned Period of Mine lease	50 Years		
20.	Method of Mining	Open Cast Semi Mechanized Method		
21.	No. of working days	240		
22.	Working hours/day	8 Hrs		
23.	No. of workers	46 Nos.		
24.	Type of Land	State Govt. Land, Agriculture land & public use land		
25.	Ultimate Depth of Mining	12m		
26.	Water Requirement	10.0KLD		
27.	Any litigation pending against the project or land in any court	NA		
28.	Ecological Sensitive Map/zone	Submitted		
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Submitted		
30.	Proposed CER cost	3.00,000Lakh		
31.	Proposed EMP cost	13,43,000 Lakh		
32.	No. of Trees to be Planted.	11000plants		
33.	Detail of CTE/CTO issued by UPPCB	Will be applied after Grant of EC		

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

- The committee further directed that mining/extraction of mineral and progressive mine closure should be done 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 11000 plants in 11.0 Ha. will be planted in first two years followed by maintenance in the next three years & the proponent will distribute fruit bearing trees species to local villagers. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The proponent shall provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- Approved DSR of District Bageshwar is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The Project Proponent has submitted a Cluster Certificate issued by Mining Department, Uttarakhand vide his letter no-156 dated-07.06.2021 stating that there are five another mining lease falls within 500 m radius of the lease area, whose cumulative mine lease area >5 Ha.
- The Project Proponent has submitted a certificate issued by Divisional Forest Officer, Bageshwar vide his letter no 1329/9-2 dated-11.10.20219 stating that the proposed area for mining does not lies within 10 KM of any National Park/Sanctuary.
- The Project Proponent has submitted approved conservation plan certified by DFO, Bageshwar.
- **The project proponent shall submit authentic list of flora & fauna along with six monthly compliance report.**
- **The Project Proponent shall ensure that the issues/concerns raised during public consultation are addressed amicably.**
- **Project Proponent shall provide Rs 3.0 lakh for modernizing Chemistry/Biology Lab of nearby Govt. Inter College and submit documentary evidence to SEIAA along with six monthly compliance report.**
- **Project Proponent shall carryout impact assessment study for aquatic fauna along with mitigation measures and submit documentary evidence to SEIAA along with six monthly compliance report.**
- **Project Proponent shall inform to SEIAA in case of change of evacuation plan.**
- **The project proponent shall undertake bio-composting of Mule dung.**
- The project proponent shall submit quarterly reports pertaining to ambient air quality, ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- All the vehicles being used for transportation from the mine site should have a valid pollution under control certificate.
- The Proponent shall ensure installation of water sprinklers within the premises to prevent dust hazards.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The project proponent shall ensure proper collection, treatment and disposal of mule excrete.
- The project proponent shall undertake suitable measures to avoid spillage of over burden and inter burden. During monsoon stocked over burden shall be covered so that it will not spill into nearby water bodies.
- The project Proponent shall ensure the reclamation of mining area as per mine closure plan at his own cost.
- The project proponent shall undertake all the activities agreed during public consultation.
- The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall 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.

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- 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.

Proposals as Uploaded on PARIVESH 2.0

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

Proposal – 2

Online proposal No.	SIA/UK/MIN/456382/2023
Site Details	Extraction of Sand/Bajri/Boulder (River Bed Material) from Jakhan-2 River at Village –Majri Grant, Tehsil & District- Dehradun
Name & Address of Proponent	M/s Uttarakhand Forest Development Corporation (UKFDC), AranyaVikasBhawan, 73 Nehru Road, Dehradun.
Coordinates	Pillar Wise– A to P Latitude- 30°10'53.91"N to 30°10'39.79"N Longitude- 78°11'32.03"E to 78°11'05.62"E
Mining Lease Area	96.50 Ha
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/456382/2023 on dated 30th December, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Sand/Bajri/Boulder (**River Bed Material**) in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was issued by the MoEF&CC vide F.NO. J-11015/90/2020-IA.II (M), dated- 04.03.2021 and the public hearing was conducted on dated- 01.11.2021. The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc. **Project was prepared by Accredited consultancy firm Mantech Consultants Pvt. Ltd. and project was presented by Shri A.S.Brara, CMD.** The details of the project are as follows:-

S.No	Parameters	Description												
1.	Name of the Project Proponent	UTTARAKHAND FOREST DEVELOPMENT CORPORATION, DEHRADUN, UTTARAKHAND												
2.	Registered Address	AranyaVikasBhawan, 73, Nehru Road, Dehra Dun, Uttarakhand - INDIA, PIN 248001												
3.	Full correspondence address of proponent and mobile no.	AranyaVikasBhawan, 73, Nehru Road, Dehra Dun, Uttarakhand - INDIA, PIN 248001 (Mob: 9910949435)												
4.	Name of Project	MINING OF MINOR MINERAL (SAND, BAJRI AND BOULDERS) FROM JAKHAN-2 RIVER BED,												
5.	Project Location (Plot/Khasra/Gata No.)	VILLAGE MAJRI GRANT, TEHSIL AND DISTRICT DEHRADUN, UTTARAKHAND												
6.	Name of Village	Majari Grant												
7.	Tehsil	Dehradun												
8.	District	Dehradun												
9.	State	Uttarakhand												
10.	Name of Minor Mineral	SAND, BAJRI AND BOULDERS												
11.	Sanctioned Lease Area (in Ha.)	96.50ha												
12.	Max. & Min mRL within lease area	Max- 550mRL & Min-464.6mRL												
13.	Pillar Coordinates (Verified by DMO)	<table> <tr> <th>Pillar No.</th><th>Latitudes</th><th>Longitudes</th></tr> <tr> <th>S. No</th><th>Lat</th><th>Long</th></tr> <tr> <td>A</td><td>30°10'53.91" N</td><td>78°11'32.03" E</td></tr> <tr> <td>B</td><td>30°10'50.36" N</td><td>78°11'37.87" E</td></tr> </table>	Pillar No.	Latitudes	Longitudes	S. No	Lat	Long	A	30°10'53.91" N	78°11'32.03" E	B	30°10'50.36" N	78°11'37.87" E
Pillar No.	Latitudes	Longitudes												
S. No	Lat	Long												
A	30°10'53.91" N	78°11'32.03" E												
B	30°10'50.36" N	78°11'37.87" E												

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		C	30°10'32.99" N	78°11'09.04" E
		D	30°10'24.86" N	78°10'47.51" E
		E	30°10'11.19" N	78°10'19.44" E
		F	30°10'07.55" N	78°10'15.64" E
		G	30°09'42.73" N	78°10'04.71" E
		H	30°09'15.14" N	78°10'00.41" E
		I	30°08'47.09" N	78°09'56.21" E
		J	30°08'52.56" N	78°09'46.82" E
		K	30°09'16.28" N	78°09'54.78" E
		L	30°09'45.33" N	78°09'58.96" E
		M	30°10'11.12" N	78°10'11.06" E
		N	30°10'16.18" N	78°10'13.48" E
		O	30°10'32.63" N	78°10'43.35" E
		P	30°10'39.79" N	78°11'05.62" E
14.	Letter of Intent from State Government	(LoI) No. 1037/खनन/आशयपत्र/व.वि.नि./भू.खनि.ई./2018-19 dated 05.11.2018.		
15.	Mine Plan approval details	1991/उ.ख./माप्लान/ दे.दून. dated 12/11/2020		
16.	Validity of Mine Plan	5 years (period of mine plan will effect from date of registration of lease deed)		
17.	Total geological reserves	57,30,420.42TPA		
18.	Total Proposed Production (In 5 Years)	First year	28,66,050.00 TPA	
		Second Year	28,66,050.00 TPA	
		Third year	28,66,050.00 TPA	
		Fourth Year	28,66,050.00 TPA	
		Fifth Year	28,66,050.00 TPA	
19.	Sanctioned Period of Mine lease	10		
20.	Method of Mining	Open Cast Manual Method		
21.	No. of working days	245		
22.	Working hours/day	8 Hrs.		
23.	No. of workers	410 Nos.		
24.	Type of Land	State Govt. Forest Land		
25.	Ultimate Depth of Mining	3m		
26.	Water Requirement	35.7KLD		
27.	Any litigation pending against the project or land in any court	NA		
28.	Ecological Sensitive Map/zone	Submitted		
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer			
30.	Proposed CER cost	Awareness activity will be done under CER/CSR activity during operation phase.		
31.	Proposed EMP cost	Rs. 61.09 Lakhs (Capital Cost) Rs. 25.63 Lakhs/Yr (Recurring Cost)		
32.	No. of Trees to be Planted.	47700plants		
33.	Detail of CTE/CTO issued by UKPCB	Applied		
34.	No. of Trucks & Tractor	90 Trucks & 129 Tractors		

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

- The total mine lease area of the project 628.8 Ha which is a forest land falling under Dehradun Forest Division, in Dehradun District.
- The project proponent has obtained Forest Clearance from MoEF&CC (Forest Conservation Division) vide letter no- 8-62/1999FC(VOL) dated 20.10.2021 as per Forest (Conservation) Act, 1980 for an area of 96.50 Ha.
- Out of the total allotted area of 628.8 Ha, the minor mineral collection shall be carried out manually from 96.50 Ha. leaving 25 % area on each side of the river bank. The area available for mining would therefore be 48.25 Ha along the center of the river flow.
- The mining shall be done only during daytime.

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- 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 8 nos of bio-toilets (4 male & 4 female) in nearby school with water tank and solar lights facility and shall maintain the same on regular basis.
- The minor mineral collection shall be carried out manually from 50 % of the total area leaving 25 % area on each side of the river bank.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- Maximum permissible depth in the center of the mining area will be 1.5 meter.
- The project Proponent shall ensure that where ever deployment of labor attracts mines act, the provision thereof shall be strictly followed.
- The committee also suggested that mine site should have well demarcated safety zone from nearby bridges, educational institution or structures of historical importance.
- The mining operation would provide local employment and bring economic benefit to local population.
- 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.
- Project Proponent shall provide Rs 3.0 lakh for modernizing Chemistry/Biology Lab of nearby three Govt. Inter Colleges and submit documentary evidence to SEIAA along with six monthly compliance report.
- Project Proponent shall carryout impact assessment study for aquatic fauna along with mitigation measures and submit documentary evidence to SEIAA along with six monthly compliance report.
- Project Proponent shall inform to SEIAA in case of change of evacuation plan.
- The Project Proponent shall ensure that the issues/concerns raised during public consultation are addressed amicably.
- The proponent shall 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 Dehradun is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The committee observed that the Project Proponent has obtained Forest Clearance for an area of 628.8 Ha. Where as the approved mining plan is for 96.50 Ha. Hence the Project Proponent is suggested to revisit the mining plan and should get the area as well as the maximum production target amended accordingly.
- The project proponent shall obtain clearance from National Board of Wildlife (NBWL).
- 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 & shall be submitted to SEIAA for approval.**
- 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 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-2**), the committee recommended the above project for grant of Environmental Clearance subject to final approval under forest clearance as well as grant of wildlife clearance by NBWL.

Proposal – 3

Online proposal No.	SIA/UK/MIN/457119/2023
Site Details	Extraction of Sand/Bajri/Boulder(River Bed Material)from Song-2 River at Village –Kaluwala, Tehsil & District- Dehradun
Name & Address of Proponent	M/s Uttarakhand Forest Development Corporation (UKFDC), AranyaVikasBhawan, 73 Nehru Road, Dehradun.
Coordinates	Pillar Wise– A to V Latitude- 30°14'30.36"N to 30°14'25.57"N Longitude- 78°08'36.73"E to 78°08'21.63"E
Mining Lease Area	136.85 Ha
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/MIN/457119/2023 on dated 30th December, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Sand/Bajri/Boulder (**River Bed Material**)in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was issued by the MoEF&CC vide F.NO. J-11015/85/2020-IA.II (M), dated- 04.03.2021 and the public hearing was conducted on dated- 02.05.2022.The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc. **Project was prepared by Accredited consultancy firm Mantech Consultants Pvt. Ltd. and project was presented by Shri A.S.Brara, CMD.**The details of the project are as follows:-

S.No	Parameters	Description
1.	Name of the Project Proponent	UTTARAKHAND FOREST DEVELOPMENT CORPORATION, DEHRADUN, UTTARAKHAND
2.	Registered Address	AranyaVikasBhawan, 73, Nehru Road, Dehra Dun, Uttarakhand - INDIA, PIN 248001
3.	Full correspondence address of proponent and mobile no.	AranyaVikasBhawan, 73, Nehru Road, Dehra Dun, Uttarakhand - INDIA, PIN 248001 (Mob: 9910949435)
4.	Name of Project	MINING OF MINOR MINERAL (SAND, BAJRI AND BOULDERS) FROM Song-2 RIVER BED,

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5.	Project Location (Plot.Khasra/Gata No.)	VILLAGE Kaluwala, TEHSIL AND DISTRICT DEHRADUN, UTTARAKHAND																																																																													
6.	Name of Village	Kaluwala																																																																													
7.	Tehsil	Dehradun																																																																													
8.	District	Dehradun																																																																													
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11.	Sanctioned Lease Area (in Ha.)	136.85ha																																																																													
12.	Max. & Min mRL within lease area	Max- 547.53mRL & Min-497.53mRL																																																																													
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19.	Sanctioned Period of Mine lease	10																																																																													
20.	Method of Mining	Open Cast Manual Method																																																																													
21.	No. of working days	245																																																																													
22.	Working hours/day	8 Hrs																																																																													
23.	No. of workers	345 Nos.																																																																													
24.	Type of Land	State Govt. Forest Land																																																																													
25.	Ultimate Depth of Mining	3m																																																																													
26.	Water Requirement	25.3KLD																																																																													
27.	Any litigation pending against the project or land in any court	NA																																																																													
28.	Ecological Sensitive	Submitted																																																																													

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	Map/zone	
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	
30.	Proposed CER cost	Awareness activity will be done under CER/CSR activity during operation phase.
31.	Proposed EMP cost	Rs. 65.48 Lakhs/Yr (Capital Cost) Rs. 20.655 Lakhs/Yr (Recurring Cost)
32.	No. of Trees to be Planted.	67740 Plants
33.	Detail of CTE/CTO issued by UKPCB	Applied
34.	No. of Trucks & Tractor	90

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

- The total mine lease area of the project 628.8 Ha which is a forest land falling under Dehradun Forest Division, in Dehradun District.
- The project proponent has obtained Forest Clearance from MoEF&CC (Forest Conservation Division) vide letter no- 8-62/1999FC(VOL) dated 20.10.2021 as per Forest (Conservation) Act, 1980 for an area of 136.85 Ha.
- Out of the total allotted area of 628.8 Ha, the minor mineral collection shall be carried out manually from 136.85 Ha. leaving 25 % area on each side of the river bank. The area available for mining would therefore be 68.43 Ha along the center of the river flow.
- The mining shall be done only during daytime.
- 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 10 nos of bio-toilets (5 male & 5 female) in nearby school with water tank and solar lights facility and shall maintain the same on regular basis.
- The minor mineral collection shall be carried out manually from 50 % of the total area leaving 25 % area on each side of the river bank.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- Maximum permissible depth in the center of the mining area will be 1.5 meter.
- The project Proponent shall ensure that where ever deployment of labor attracts mines act, the provision thereof shall be strictly followed.
- The committee also suggested that mine site should have well demarcated safety zone from nearby bridges, educational institution or structures of historical importance.
- The mining operation would provide local employment and bring economic benefit to local population.
- 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.
- Project Proponent shall provide Rs 3.0 lakh for modernizing Chemistry/Biology Lab of nearby three Govt. Inter Colleges and submit documentary evidence to SEIAA along with six monthly compliance report.
- Project Proponent shall carryout impact assessment study for aquatic fauna along with mitigation measures and submit documentary evidence to SEIAA along with six monthly compliance report.
- Project Proponent shall inform to SEIAA in case of change of evacuation plan.
- The Project Proponent shall ensure that the issues/concerns raised during public consultation are addressed amicably.
- The proponent shall 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 Dehradun is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The committee observed that the Project Proponent has obtained Forest Clearance for an area of 628.8 Ha. Where as the approved mining plan is for 136.85 Ha. Hence the











Project Proponent is suggested to revisit the mining plan and should get the area as well as the maximum production target amended accordingly.

- The project proponent shall obtain clearance from National Board of Wildlife (NBWL).
- 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 & shall be submitted to SEIAA for approval.**
- 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 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-2**), the committee recommended the above project for grant of Environmental Clearance subject to final approval under forest clearance as well as grant of wildlife clearance by NBWL.

Proposal – 4

Online proposal No.	SIA/UK/MIN/456692/2023
Site Details	Extraction of Sand/Bajri/Boulder(River Bed Material) from Song-1 River at Village –Balawala, Tehsil & District- Dehradun
Name & Address of Proponent	M/s Uttarakhand Forest Development Corporation (UKFDC), AranyaVikasBhawan, 73 Nehru Road, Dehradun.
Coordinates	Pillar Wise– A to V Latitude- 30°16'59.44"N to 30°16'55.48"N Longitude- 78°07'32.04"E to 78°07'13.20"E
Mining Lease Area	202.0 Ha
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006



The project was submitted vide proposal no SIA/UK/MIN/456692/2023 on dated 30th December, 2023 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Sand/Bajri/Boulder (**River Bed Material**) in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was issued by the MoEF&CC vide F.NO. J-11015/87/2020-IA,II (M), dated- 04.03.2021 and the public hearing was conducted on dated- 21.03.2022. 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 Mantech Consultants Pvt. Ltd. and project was presented by Shri A.S.Brara, CMD.** The details of the project are as follows:-

S.No	Parameters	Description																																																																								
1.	Name of the Project Proponent	UTTARAKHAND FOREST DEVELOPMENT CORPORATION, DEHRADUN, UTTARAKHAND																																																																								
2.	Registered Address	AranyaVikasBhawan, 73, Nehru Road, Dehra Dun, Uttarakhand - INDIA, PIN 248001																																																																								
3.	Full correspondence address of proponent and mobile no.	AranyaVikasBhawan, 73, Nehru Road, Dehra Dun, Uttarakhand - INDIA, PIN 248001 (Mob: 9910949435)																																																																								
4.	Name of Project	MINING OF MINOR MINERAL (SAND, BAJRI AND BOULDERS) FROM Song-1 RIVER BED,																																																																								
5.	Project Location (Plot.Khasra/Gata No.)	VILLAGE BALAWALA, TEHSIL AND DISTRICT DEHRADUN, UTTARAKHAND																																																																								
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		Second Year	5999400.00 TPA
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		Fourth Year	5999400.00 TPA
		Fifth Year	5999400.00 TPA
19.	Sanctioned Period of Mine lease	10	
20.	Method of Mining	Open Cast Manual Method	
21.	No. of working days	245	
22.	Working hours/day	8 Hrs	
23.	No. of workers	758 Nos.	
24.	Type of Land	State Govt. Forest Land	
25.	Ultimate Depth of Mining	3m	
26.	Water Requirement	36.3KLD	
27.	Any litigation pending against the project or land in any court	NA	
28.	Ecological Sensitive Map/zone	Submitted	
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer		
30.	Proposed CER cost	Awareness activity will be done under CER/CSR activity during operation phase.	
31.	Proposed EMP cost	Rs. 95.7 Lakh/Yr (Capital Cost) Rs. 26.53 Lakh (Recurring Cost)	
32.	No. of Trees to be Planted.	99990 Plants	
33.	Detail of CTE/CTO issued by UKPCB	Applied	
34.	No. of Trucks & Tractor	79	

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

- The total mine lease area of the project 628.8 Ha which is a forest land falling under Dehradun Forest Division, in Dehradun District.
- The project proponent has obtained Forest Clearance from MoEF&CC (Forest Conservation Division) vide letter no- 8-62/1999FC(VOL) dated 20.10.2021 as per Forest (Conservation) Act, 1980 for an area of 202.0 Ha.
- Out of the total allotted area of 628.8 Ha, the minor mineral collection shall be carried out manually from 202.0 Ha, leaving 25 % area on each side of the river bank. The area available for mining would therefore be 101 Ha, along the center of the river flow.
- The mining shall be done only during daytime.
- 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 10 nos of bio-toilets (5 male & 5 female) in nearby school with water tank and solar lights facility and shall maintain the same on regular basis.
- The minor mineral collection shall be carried out manually from 50 % of the total area leaving 25 % area on each side of the river bank.
- The committee further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
- Maximum permissible depth in the center of the mining area will be 1.5 meter.
- The project Proponent shall ensure that where ever deployment of labor attracts mines act, the provision thereof shall be strictly followed.
- The committee also suggested that mine site should have well demarcated safety zone from nearby bridges, educational institution or structures of historical importance.
- The mining operation would provide local employment and bring economic benefit to local population.

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- 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.
- Project Proponent shall provide Rs 3.0 lakh for modernizing Chemistry/Biology Lab of nearby three Govt. Inter Colleges and submit documentary evidence to SEIAA along with six monthly compliance report.
- Project Proponent shall carryout impact assessment study for aquatic fauna along with mitigation measures and submit documentary evidence to SEIAA along with six monthly compliance report.
- Project Proponent shall inform to SEIAA in case of change of evacuation plan.
- The Project Proponent shall ensure that the issues/concerns raised during public consultation are addressed amicably.
- The proponent shall 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 Dehradun is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The committee observed that the Project Proponent has obtained Forest Clearance for an area of 628.8 Ha. Where as the approved mining plan is for 202 Ha. Hence the Project Proponent is suggested to revisit the mining plan and should get the area as well as the maximum production target amended accordingly.
- The project proponent shall obtain clearance from National Board of Wildlife (NBWL).
- 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 & shall be submitted to SEIAA for approval.
- 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 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-2**), the committee recommended the above project for grant of Environmental Clearance subject to final approval under forest clearance as well as grant of wildlife clearance by NBWL.

Proposal – 5

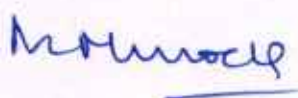
Online proposal No.	SIA/UK/INFRA2/459651/2024
Name of the Project	Construction of Satellite Centre comprising of 280 Bedded Multispecialty Hospital, Sr. Hostel, Nurses Hostel, Type-4 Qtrs, Ancillary Non-Residential Buildings e.t.c for AIIMS, Rishikesh at Village-Khurpia Farm, Tehsil- Kichha, Dist- Udham Singh Nagar
Name & Address of Proponent	M/s All India Institute Of Medical Sciences (AIIMS), Rishikesh, Dist- Dehradun
Whether New/Expansion Project	New
Total Plot Area	404686.00 m ²
Total Built up Area	48900.61 m ²
Project Category	8(a) as enlisted in project /activity as per EIA Notification, 2006

The project was submitted vide proposal no SIA/UK/INFRA2/459651/2024 on dated 23rd January, 2024 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for Construction of Satellite Centre comprising of 280 Bedded Multispecialty Hospital, Sr. Hostel, Nurses Hostel, Type-4 Qtrs, Ancillary Non-Residential Buildings e.t.c for AIIMS, Rishikesh. The proponent has submitted detailed project related information in Form 1, Form 1-A, Conceptual Plan. **Project was prepared by Accredited consultancy firm AGS Environmental Services Pvt. Ltd. and project was presented by Shri Ashish Tripathi, Managing Director.**

S.No	Parameters	Description
1.	Total Plot Area	4,04,686 sq m
2.	Plot Area under Phase 1	2,34,181.0 sq m
3.	Built Up Area of phase 1	48,900.61 sq m
4.	Total No. of Beds	280 no.
5.	Max Height of Building (UptoMumty Room)	29.450 meters
6.	Max No of Floors	G+5 floors
7.	Cost of Project	494 crores
8.	Expected Population	3,741 no's
9.	Proposed Ground Coverage Area-Phase 1	10,029.91 sq m
10.	Proposed FAR Area- phase 1	37,676.39 sq.m
11.	Total Water Requirement	708 KLD
12.	Fresh water requirement	488 KLD
13.	Waste water Generation	232 KLD
14.	Proposed STP Capacity	250 KLD
15.	Proposed ETP Capacity	30 KLD
16.	No of Rain Water Harvesting	3 RWH Storage Tank
17.	Total Proposed Parking	685 ECS
18.	Proposed Green Area	78,540sq m (33.54%)
19.	Total Solid Waste Generation	1,078 Kg/Day
20.	Total Power Requirement	2521.1kW
21.	DG set backup	3 x 1000 kVA+1 x 250 kVA

Salient features details:

S.No	Parameters	Description
GENERAL		
1.	Total Plot Area	4,04,686 sq m
2.	Plot Area of phase 1	2,34,181.0 sq m
3.	Proposed Built Up Area of phase 1	48,900.61 sq m
4.	Number of Building Blocks	4
5.	Max Height of Building (UptoMumty)	29.450 meters
6.	Max No of Floors	G+5 floors
7.	Cost of Project	494 crores









8.	Expected Population	3,741 no's
9.	Permissible Ground Coverage (30 % of the Total plot area)	1,21,406 sq m
10.	Proposed Ground Coverage Area of phase 1	10,029.91 sq m (2.47%)
11.	Permissible F.A.R (@ 2.50)	10,11,715 sq.m
12.	Proposed FAR Area of phase 1	37,676.39 sq.m
13.	Proposed NoN FAR Area of phase 1	11,224.22
WATER		
14.	Total Water Requirement	708 KLD
15.	Fresh water requirement	488 KLD
16.	Waste water Generation	232 KLD
17.	Proposed STP Capacity	250 KLD
18.	Proposed ETP Capacity	30 KLD
19.	Treated Water Available for Reuse	220 KLD
20.	Recycled Water	220 KLD
21.	Surplus Treated water	0
RAIN WATER HARVESTING		
22.	Rain Water Harvesting Potential	35 cum
23.	No of Rain Water Harvesting Pits Proposed	3 (Storage Tank)
PARKING		
24.	Total Parking Required as per building Bye Laws	684 ECS
25.	Total Proposed Parking	685 ECS
GREEN AREAS		
26.	Required Green Area	-
27.	Proposed Green Area (33.54% of Phase 1) (5,337 numbers of tree proposed to planted)	78,540sq m
WASTE GENERATION		
28.	Total Solid Waste Generation	1078 Kg/Day
29.	Bio Degradable waste	658 Kg/Day
30.	Quantity of Sludge Generated from STP	23 kg/day
POWER		
31.	Total Power Requirement	2521.1 kW
32.	DG set backup	3 x 1000 kVA+1 x 250 kVA

Land use details:

S.No	Parameters	Description
1.	Ground Coverage Area of phase 1	10029.91
2.	Green Area of phase 1	78540
3.	Road/Paved/Parking area of phase 1	116482
4.	Other Open Area	29129
5.	Total Plot Area of phase 1	2,34,181

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 letter and proof of online application to Udham Singh Nagar development authority dated 14.02.2024 for approval of building plan for Construction of Satellite Centre comprising of 280 Bedded Multispecialty Hospital, Sr. Hostel, Nurses Hostel, Type-4 Qtrs, Ancillary Non-Residential Buildings e.t.c for AIIMS, Rishikesh at Village-Khurpia Farm, Tehsil-Kichha, Dist- Udham Singh Nagar from competent authority. In case of any further change in the proposed layout plan of Project the Project Proponent shall inform the SEIAA and shall seek modified Environmental Clearance.
- Project Proponent shall install oxygen plant.
- Project Proponent shall sign an MoU with Bhabha Atomic Research Center (BARC) for picking Radio Active Waste.
- Project Proponent shall sign a MoU with authorized CBWTF for picking Bio Medical waste.
- Project Proponent shall install Biomedical waste disposal and treatment facilities with in the proposed premises.
- Project Proponent shall provide Rs 3.0 lakh for modernizing Biology Lab of nearby Govt. Inter College and submit documentary evidence to SEIAA along with six monthly compliance report.

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- Project Proponent shall install dual-plumbing system for proper utilization of STP treated water.
- The Project Proponent shall provide adequate drinking water facility at different location/floors.
- The Project Proponent shall develop adequate parking facility near to the hospital.
- The Project Proponent shall develop green belt in the parking area.
- 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 DG set shall not exceed 3 DG set of 1000 KVA and 1 DG set of 250 KVA and it should have stack height complying with CPCB norms.
- Fixtures of showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices/sensor based control. Dual plumbing system shall be installed separately for fresh water and waste water.
- The use of glass may be reduced by upto 40 percent to reduce the electricity consumption and load on air conditioning. If necessary then use of high quality double glass may be encouraged with special reflective coating in windows.
- The use of LED and such other power saving devices shall be maximized. Common areas and landscape areas shall be illuminated with solar lighting system. At least 40 percent of the total power requirement after completion of construction unit shall be met from solar energy.
- Rainwater harvesting for roof top and surface run off should be ensured as per the plan submitted. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles. The bore well for rain water recharging should be kept at 5 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.

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- 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 250 KLD shall be installed for treating waste water upto tertiary level. Sewage Treatment Plant shall be complying with parameters of CPCB/UKPCB guidelines. Treated water should be used for flushing, green belt development, road washing, DG cooling and other miscellaneous purposes.
- The excess treated waste water may be transported through tankers to adjoining construction sites or industrial areas as the demand arises.
- The installation of sewage treatment plant should be certified by an independent expert and a report in this regard should be submitted to the UKPCB. Necessary measures should be made to mitigate the odour problem from STP.
- Guidelines of Municipal Solid Waste (Management & Handling) Rules, 2000 (as amended from time to time) should be followed for disposal of solid waste. Two bin collection system for bio degradable and non-bio degradable waste should be adopted. Bio degradable waste shall be sent to composting pit and non biodegradable/inert waste disposed off through authorized recyclers. STP sludge shall be dried and used as organic manure.
- DG sets shall be used only in emergency purpose. The use of solar energy and inverter shall be ensured and maximized as backup power.
- Adequate parking space shall be develop for staff and guests.
- Proper restroom and toilets shall be provided for service workers, drivers & accompanying staff, if any
- All directions of Fire Department shall be complied.
- Provisions shall be made for the integration of Solar Power System.
- The project proponent shall submit half yearly compliance report of stipulated conditions of Environment Clearance in soft copy through PARIVESH PORTAL given link: <https://parivesh.nic.in>. Yearly monitoring of ground water table and quality should be carried out and should be submitted to SEIAA and UKPCB, Uttarakhand.
- No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)
- The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous and other Wastes (Management and Tranboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.
- Project Proponent will operate on the principle of zero liquid discharge.

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

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

Proposal – 6

Online proposal No.	SIA/UK/MIN/461130/2024
Site Details	Proposed Extraction of Soapstone at Village- Kularang Chaura, Tehsil & District-Bageshwar.
Name & Address of Proponent	M/s Harusaim Minerals (Partnership Firm)R/o-Gurna, Tehsil & Distt-Bageshwar
Coordinates	Pillar Wise- 1 to 18 Latitude- 29°46'28.11"N to 29°46'30.31"N Longitude- 79°52'7.59"E to 79°52'11.52"E
Mining Lease Area	13.730Ha
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006.

The project was submitted vide proposal no SIA/UK/MIN/461130/2024 on dated 6thFebruary,2024 by the project proponent. The committee observed that the proponent is seeking Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a).The proponent has submitted detailed project related information in Form 1, Pre Feasibility Report and EMP. **Project was prepared by Accredited consultancy firm P & M Solution and project was presented by Shri Rahul Kumar, EIA, Coordinator.**

Hence, committee agreed to recommend **ToR (Annexure-4)** to the proponent for preparation of EIA report. The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project. The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court. The Project Proponent shall carry out geological stability study along with detailed flora and fauna investigation by subject specialist. The Project Proponent shall submit mitigation plan for avoiding the runoff and leaching of debris during the monsoon. The Project Proponent shall submit a list of flora and fauna of the mine lease area duly verified by concerned DFO. The Project Proponent shall submit a detail of the socio-economic status of the villages falling within 10.0 Km radius of the project area.

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

Proposal – 7

Online proposal No.	SIA/UK/MIN/462039/2024
Site Details	Proposed Extraction of Soapstone at Village -Batalgaon, Tehsil-Kapkot, District - Bageshwar
Name & Address of Proponent	Shri Vikram Singh ShahiS/o Shri Bhawaan Singh Shahi Village & Post - Ason, Tehsil- Kapkot, District - Bageshwar
Coordinates	Pillar Wise- 1 to 17

	Latitude- 29°53'42.51"N to 29°53'45.57"N Longitude- 79°52'46.19"E to 79°52'35.82"E
Mining Lease Area	30.566 Ha
Category	B1& 1(a) enlisted in project /activity as per EIA Notification, 2006.

The project was submitted vide proposal no SIA/UK/MIN/462039/2024 on dated 7th February, 2024 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was recommended by the SEAC in its 5th meeting held on dated- 22.03.2023, the ToR letter was issued vide letter No.-259/SEIAA dated-31.03.2023 and the public hearing was conducted on dated-15.09.2023. 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 P & M Solution and project was presented by Shri Rahul Kumar, EIA, Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description																																																						
1.	Name of the Project Proponent	ShriVikram Singh Shahi, S/o ShriBhawaan Singh Shahi																																																						
2.	Registered Address	ShriVikram Singh Shahi, S/o ShriBhawaan Singh Shahi, Village & Post – Ason, Tehsil- Kapkot,, District – Bageshwar (U.K)																																																						
3.	Full correspondence address of proponent and mobile no.	Village & Post – Ason, Tehsil- Kapkot,, District – Bageshwar (U.K) vikramsahi@gmail.com, 7668641115, 7351994212																																																						
4.	Name of Project	Batalgaon Soapstone Deposit																																																						
5.	Project Location (Plot.Khasra/Gata No.)	Village – Batalgaon, Tehsil-Kapkot& District – Bageshwar, Uttarakhand																																																						
6.	Name of Village	Batalgaon																																																						
7.	Tehsil	Kapkot																																																						
8.	District	Bageshwar																																																						
9.	State	Uttarakhand																																																						
10.	Name of Minor Mineral	Soapstone																																																						
11.	Sanctioned Lease Area (in Ha.)	30.566 ha																																																						
12.	Max. & Min mRL within lease area	Max- 1468.20mRL & Min-1282.50mRL																																																						
13.	Pillar Coordinates (Verified by DMO)	<table><tr><th>Pillar No</th><th>N</th><th>E</th></tr><tr><td>1.</td><td>29°53'42.51"N</td><td>79°52'46.19"E</td></tr><tr><td>2.</td><td>29°53'50.07"N</td><td>79°52'45.63"E</td></tr><tr><td>3.</td><td>29°53'56.57"N</td><td>79°52'39.63"E</td></tr><tr><td>4.</td><td>29°53'56.22"N</td><td>79°52'32.97"E</td></tr><tr><td>5.</td><td>29°53'49.51"N</td><td>79°52'29.48"E</td></tr><tr><td>6.</td><td>29°53'50.98"N</td><td>79°52'26.53"E</td></tr><tr><td>7.</td><td>29°53'49.61"N</td><td>79°52'23.84"E</td></tr><tr><td>8.</td><td>29°53'45.57"N</td><td>79°52'22.16"E</td></tr><tr><td>9.</td><td>29°53'43.85"N</td><td>79°52'20.28"E</td></tr><tr><td>10.</td><td>29°53'47.64"N</td><td>79°52'19.48"E</td></tr><tr><td>11.</td><td>29°53'47.74"N</td><td>79°52'15.59"E</td></tr><tr><td>12.</td><td>29°53'38.62"N</td><td>79°52'7.69"E</td></tr><tr><td>13.</td><td>29°53'34.34"N</td><td>79°52'7.62"E</td></tr><tr><td>14.</td><td>29°53'34.47"N</td><td>79°52'20.28"E</td></tr><tr><td>15.</td><td>29°53'40.96"N</td><td>79°52'24.77"E</td></tr><tr><td>16.</td><td>29°53'45.29"N</td><td>79°52'30.23"E</td></tr><tr><td>17.</td><td>29°53'45.57"N</td><td>79°52'35.82"E</td></tr></table>	Pillar No	N	E	1.	29°53'42.51"N	79°52'46.19"E	2.	29°53'50.07"N	79°52'45.63"E	3.	29°53'56.57"N	79°52'39.63"E	4.	29°53'56.22"N	79°52'32.97"E	5.	29°53'49.51"N	79°52'29.48"E	6.	29°53'50.98"N	79°52'26.53"E	7.	29°53'49.61"N	79°52'23.84"E	8.	29°53'45.57"N	79°52'22.16"E	9.	29°53'43.85"N	79°52'20.28"E	10.	29°53'47.64"N	79°52'19.48"E	11.	29°53'47.74"N	79°52'15.59"E	12.	29°53'38.62"N	79°52'7.69"E	13.	29°53'34.34"N	79°52'7.62"E	14.	29°53'34.47"N	79°52'20.28"E	15.	29°53'40.96"N	79°52'24.77"E	16.	29°53'45.29"N	79°52'30.23"E	17.	29°53'45.57"N	79°52'35.82"E
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17.	29°53'45.57"N	79°52'35.82"E																																																						
14.	Letter of Intent from State Government	2306/VII-A-1/21-27(Soapstone)/16 dated 05.01.2022																																																						
15.	Mine Plan approval details	2347/Mu.Kha./Khanan44/Soapstone/Bag./Bhu.Khani E./2016-17Dated 23.09.2022																																																						
16.	Validity of Mine Plan	5 years (period of mine plan will effect from date of registration of lease deed)																																																						
17.	Total geological reserves	1418019Tonnes																																																						
18.	Total Proposed Production (In 5 Years)	<table><tr><td>First year</td><td>30963 Tonnes</td></tr></table>	First year	30963 Tonnes																																																				
First year	30963 Tonnes																																																							

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		Second Year	25893 Tonnes
		Third year	27699 Tonnes
		Fourth Year	30622 Tonnes
		Fifth Year	33800 Tonnes
19.	Sanctioned Period of Mine lease	50 Years	
20.	Method of Mining	Open Cast Semi Mechanized Method	
21.	No. of working days	240	
22.	Working hours/day	8 Hrs	
23.	No. of workers	78 Nos.	
24.	Type of Land	State Govt. Land, Agriculture land & public use land	
25.	Ultimate Depth of Mining	Pit I - 24m (Upto1405mRL) Pit II - 18m (Upto1363 mRL)	
26.	Water Requirement	21.80KLD	
27.	Any litigation pending against the project or land in any court	NA	
28.	Ecological Sensitive Map/zone	Submitted	
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Submitted	
30.	Proposed CER cost	4.20Lakh	
31.	Proposed EMP cost	Rs 4.516 Lakhs (Capital) Rs 12.425 Lakhs (Recurring)	
32.	No. of Trees to be Planted.	10080plants	
33.	Detail of CTE/CTO issued by UPPCB	Will be applied after Grant of EC	

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

- The committee further directed that mining/extraction of mineral and progressive mine closure should be done 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 in 30.0 Ha. will be planted in first two years followed by maintenance in the next three years & the proponent will distribute fruit bearing trees species to local villagers. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The proponent shall provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- Approved DSR of District Bageshwar is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The Project Proponent has submitted a Cluster Certificate issued by Mining Department, Uttarakhand vide his letter no-798 dated-13.03.2023 stating that there are two another mining lease falls within 500 m radius of the lease area, whose cumulative mine lease area >5 Ha.
- The Project Proponent has submitted a certificate issued by CCF, I.T Cell of Forest Department, Uttarakhand vide his letter no 191/32-2(EoDB) dated-04.08.2023 stating that the proposed area for mining does not lies within 10 KM of any National Park/Sanctuary.
- The Project Proponent has submitted approved conservation plan certified by DFO, Bageshwar.
- The project proponent has furnished an affidavit regarding the compliances of ToR and adequacy check of EIA report. The ACO has also given in writing vide his letter dated 22.02.2024 that they have modified the EIA report chapter-wise as and where required.
- The project proponent shall submit authentic list of flora & fauna along with six monthly compliance report.
- The Project Proponent shall ensure that the issues/concerns raised during public consultation are addressed amicably.

- The Project Proponent shall submit a detail of the socio-economic status of the villages falling within 10.0 Km radius of the project area.
- Project Proponent shall provide Rs 3.0 lakh for modernizing Chemistry/Biology Lab of nearby Govt. Inter College and submit documentary evidence to SEIAA along with six monthly compliance report.
- Project Proponent shall carryout impact assessment study for aquatic fauna along with mitigation measures and submit documentary evidence to SEIAA along with six monthly compliance report.
- Project Proponent shall inform to SEIAA in case of change of evacuation plan.
- The project proponent shall submit quarterly reports pertaining to ambient air quality, ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- All the vehicles being used for transportation from the mine site should have a valid pollution under control certificate.
- The Proponent shall ensure installation of water sprinklers within the premises to prevent dust hazards.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The project proponent shall ensure proper collection, treatment and disposal of mule excrete.
- The project proponent shall undertake suitable measures to avoid spillage of over burden and inter burden. During monsoon stocked over burden shall be covered so that it will not spill into nearby water bodies.
- The project Proponent shall ensure the reclamation of mining area as per mine closure plan at his own cost.
- The project proponent shall undertake all the activities agreed during public consultation.
- The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall 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-1**), the committee recommended the above project for grant of Environmental Clearance.

Proposal – 8

Online proposal No.	SIA/UK/MIN/461070/2024
Site Details	Proposed Extraction of Soapstone at Village- Tuper, Tehsil & Distt-Bageshwar
Name & Address of Proponent	Shri Puran Singh Khetwal S/o Shri Kheem Singh Khetwal R/o-Village-Tuper, Tehsil & Distt-Bageshwar
Coordinates	Pillar Wise- 1 to 28 Latitude- 29°52'4.30"N to 29°52'3.87"N Longitude- 79°48'19.20"E to 79°48'19.75"E
Mining Lease Area	2.943Ha
Category	B2 & 1(a) enlisted in project /activity as per EIA Notification, 2006. But as per O.M No- F.No.L-11011/175/2018-IA-II(M) dated-12-12-2018, the project has been screened in to category B1 (cluster formation of >5 Ha with in 500 meter periphery of concerned mine).

The project was submitted vide proposal no SIA/UK/MIN/461070/2024 on dated 7th February, 2024 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR recommended by the SEAC in

its 4th meeting held on dated- 01.03.2023, the ToR letter was issued vide letter No.-245/SEIAA dated-09.03.2023 and the public hearing was conducted on dated-12.10.2023. 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 P & M Solution and project was presented by Shri Rahul Kumar, EIA, Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description		
1.	Name of the Project Proponent	Shri Puran Singh Khetwal S/o Shri Kheem Singh Khetwal		
2.	Registered Address	R/o-Village-Tuper, Tehsil & Distt-Bageshwar (U.K)		
3.	Full correspondence address of proponent and mobile no.	Shri Puran Singh Khetwal S/o Shri Kheem Singh Khetwal R/o-Village-Tuper, Tehsil & Distt-Bageshwar (U.K)		
4.	Name of Project	Tuper Soapstone Mining Project		
5.	Project Location (Plot.Khasra/Gata No.)	Village – Tuper, Tehsil-Kanda & District – Bageshwar, Uttarakhand		
6.	Name of Village	Tuper		
7.	Tehsil	Bageshwar		
8.	District	Bageshwar		
9.	State	Uttarakhand		
10.	Name of Minor Mineral	Soapstone		
11.	Sanctioned Lease Area (in Ha.)	2.943 ha		
12.	Max. & Min mRL within lease area	Max- 1052.50mRL & Min-1008.30mRL		
13.	Pillar Coordinates (Verified by DMO)	Pillar No	N	E
		1.	29°52'4.30"N	79°48'19.20"E
		2.	29°52'5.82"N	79°48'20.59"E
		3.	29°52'7.11"N	79°48'19.54"E
		4.	29°52'7.43"N	79°48'20.14"E
		5.	29°52'7.16"N	79°48'22.97"E
		6.	29°52'6.55"N	79°48'24.64"E
		7.	29°52'7.58"N	79°48'24.66"E
		8.	29°52'10.59"N	79°48'23.70"E
		9.	29°52'10.75"N	79°48'24.50"E
		10.	29°52'6.04"N	79°48'26.31"E
		11.	29°52'5.92"N	79°48'23.59"E
		12.	29°52'3.61"N	79°48'23.01"E
		13.	29°52'3.57"N	79°48'26.79"E
		14.	29°52'2.53"N	79°48'26.83"E
		15.	29°52'1.63"N	79°48'24.69"E
		16.	29°52'3.20"N	79°48'23.93"E
		17.	29°52'3.15"N	79°48'23.78"E
		18.	29°52'1.35"N	79°48'24.00"E
		19.	29°51'59.94"N	79°48'20.44"E
		20.	29°52'2.32"N	79°48'18.19"E
		21.	29°52'2.91"N	79°48'18.22"E
		22.	29°52'3.67"N	79°48'21.05"E
		23.	29°52'3.28"N	79°48'21.03"E
		24.	29°52'3.49"N	79°48'21.79"E
		25.	29°52'3.82"N	79°48'21.57"E
		26.	29°52'4.08"N	79°48'22.48"E
		27.	29°52'5.16"N	79°48'21.73"E
28.	29°52'3.87"N	79°48'19.75"E		
14.	Letter of Intent from State Government	1209/VII-A-1/2021- 01/(21)/2021 dated 25.08.2021		
15.	Mine Plan approval details	4550/Mu.Kha. /14/Bag./Khanan/ Bhu.Khani E./(2019-20) 2021Dated 27.01.2022		
16.	Validity of Mine Plan	5 years (period of mine plan will effect from date of registration of lease deed)		
17.	Total geological reserves	66986Tonnes		
18.	Total Proposed Production (In 5 Years)	First year	8020 Tonnes	
		Second Year	9047 Tonnes	

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		Third year	11076 Tonnes
		Fourth Year	11540 Tonnes
		Fifth Year	12054 Tonnes
19.	Sanctioned Period of Mine lease	25 Years	
20.	Method of Mining	Open Cast Semi Mechanized Method	
21.	No. of working days	240	
22.	Working hours/day	8 Hrs	
23.	No. of workers	24 Nos.	
24.	Type of Land	State Govt. Land, Agriculture land & public use land	
25.	Ultimate Depth of Mining	20m	
26.	Water Requirement	7.30KLD	
27.	Any litigation pending against the project or land in any court	NA	
28.	Ecological Sensitive Map/zone	Submitted	
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Submitted	
30.	Proposed CER cost	3.0Lakh	
31.	Proposed EMP cost	Capital Cost Rs 10 Lakhs & Recurring Cost (Rs.) 7.5 Lakhs	
32.	No. of Trees to be Planted.	3000plants	
33.	Detail of CTE/CTO issued by UPPCB	Will be applied after Grant of EC	

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

- The committee further directed that mining/extraction of mineral and progressive mine closure should be done 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 1000 plants in 2.0 Ha. will be planted in first two years followed by maintenance in the next three years & the proponent will distribute fruit bearing trees species to local villagers. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The proponent shall provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- Approved DSR of District Bageshwar is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The Project Proponent has submitted a Cluster Certificate issued by Mining Department, Uttarakhand vide his letter no-296 dated-06.07.2022 stating that there are five another mining lease falls within 500 m radius of the lease area, whose cumulative mine lease area >5 Ha.
- The Project Proponent has submitted a certificate issued by CCF, I.T Cell of Forest Department, Uttarakhand vide his letter no 210/32-2(EoDB) dated-08.08.2023 stating that the proposed area for mining does not lies within 10 KM of any National Park/Sanctuary.
- The Project Proponent has submitted approved conservation plan certified by DFO, Bageshwar.
- The project proponent has furnished an affidavit regarding the compliances of ToR and adequacy check of EIA report. The ACO has also given in writing vide his letter dated 22.02.2024 that they have modified the EIA report chapter-wise as and where required.
- The project proponent shall submit authentic list of flora & fauna along with six monthly compliance report.
- The Project Proponent shall ensure that the issues/concerns raised during public consultation are addressed amicably.
- The Project Proponent shall submit a detail of the socio-economic status of the villages falling within 10.0 Km radius of the project area.



- Project Proponent shall provide Rs 3.0 lakh for modernizing Chemistry/Biology Lab of nearby Govt. Inter College and submit documentary evidence to SEIAA along with six monthly compliance report.
- Project Proponent shall carryout impact assessment study for aquatic fauna along with mitigation measures and submit documentary evidence to SEIAA along with six monthly compliance report.
- Project Proponent shall inform to SEIAA in case of change of evacuation plan.
- The project proponent shall submit quarterly reports pertaining to ambient air quality, ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- All the vehicles being used for transportation from the mine site should have a valid pollution under control certificate.
- The Proponent shall ensure installation of water sprinklers within the premises to prevent dust hazards.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The project proponent shall ensure proper collection, treatment and disposal of mule excrete.
- The project proponent shall undertake suitable measures to avoid spillage of over burden and inter burden. During monsoon stocked over burden shall be covered so that it will not spill into nearby water bodies.
- The project Proponent shall ensure the reclamation of mining area as per mine closure plan at his own cost.
- The project proponent shall undertake all the activities agreed during public consultation.
- The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall 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-1), the committee recommended the above project for grant of Environmental Clearance.

Proposal – 9

Online proposal No.	SIA/UK/MIN/461942/2024
Site Details	Proposed Extraction of Soapstone at Village- Amjhajoo, Tehsil-Dugnakuri, Distt- Bageshwar
Name & Address of Proponent	Shri Shankar Singh Bafila S/o Shri Jagat Singh R/o Village-Bafilagaon Malla, Post: Saneti, Tehsil-Dugnakuri, Distt- Bageshwar
Coordinates	Pillar Wise- 1 to 7 Latitude- 29°54'42.51"N to 29°54'39.31"N Longitude- 79°59'7.21"E to 79°59'5.90"E
Mining Lease Area	6.129 Ha
Category	B1& 1(a) enlisted in project /activity as per EIA Notification, 2006.

The project was submitted vide proposal no SIA/UK/MIN/461942/2024 on dated 10th February, 2024 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was recommended by the SEAC in its 5th meeting held on dated- 22.03.2023, the ToR letter was issued vide letter No.-257/SEIAA dated-31.03.2023 and the public hearing was conducted on dated- 30.09.2023. The project proponent has now submitted final EIA report consisting of chapters including description of environment, anticipated environmental impact and mitigation majors, environmental monitoring programme, project benefits, Disclosure of Consultants Engaged EMP etc.

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Project was prepared by Accredited consultancy firm P & M Solution and project was presented by Shri Rahul Kumar, EIA, Coordinator. The details of the project are as follows:-

S.No	Parameters	Description																								
1.	Name of the Project Proponent	Shri Shankar Singh Bafila, S/o ShriJagat Singh																								
2.	Registered Address	Shri Shankar Singh Bafila, S/o ShriJagat Singh R/o- Village-BafilagaonMalla,Post: Saneti, Tehsil- Dugnakuri,Distt- BageshwarUttarakhand																								
3.	Full correspondence address of proponent and mobile no.	R/o- Village-BafilagaonMalla,Post: Saneti, Tehsil- Dugnakuri,Distt- BageshwarUttarakhand Email.id-Shankarbafila07@gmail.com, 7351231791																								
4.	Name of Project	Amjhajoo Soapstone Deposit																								
5.	Project Location (Plot.Khasra/Gata No.)	Village – Amjhajoo, Tehsil-Dugnakuri& District – Bageshwar, Uttrakhand																								
6.	Name of Village	Amjhajoo																								
7.	Tehsil	Dugnakuri																								
8.	District	Bageshwar																								
9.	State	Uttarakhand																								
10.	Name of Minor Mineral	Soapstone																								
11.	Sanctioned Lease Area (in Ha.)	6.129 ha																								
12.	Max. & Min mRL within lease area	Max- 2060.10mRL & Min-1975.0mRL																								
13.	Pillar Coordinates (Verified by DMO)	<table><tr><th>Pillar No</th><th>N</th><th>E</th></tr><tr><td>1.</td><td>29°54'42.51"N</td><td>79°59'7.21"E</td></tr><tr><td>2.</td><td>29°54'43.80"N</td><td>79°59'2.82"E</td></tr><tr><td>3.</td><td>29°54'47.48"N</td><td>79°59'3.32"E</td></tr><tr><td>4.</td><td>29°54'48.44"N</td><td>79°59'0.60"E</td></tr><tr><td>5.</td><td>29°54'47.53"N</td><td>79°58'56.13"E</td></tr><tr><td>6.</td><td>29°54'37.86"N</td><td>79°58'57.82"E</td></tr><tr><td>7.</td><td>29°54'39.31"N</td><td>79°59'5.90"E</td></tr></table>	Pillar No	N	E	1.	29°54'42.51"N	79°59'7.21"E	2.	29°54'43.80"N	79°59'2.82"E	3.	29°54'47.48"N	79°59'3.32"E	4.	29°54'48.44"N	79°59'0.60"E	5.	29°54'47.53"N	79°58'56.13"E	6.	29°54'37.86"N	79°58'57.82"E	7.	29°54'39.31"N	79°59'5.90"E
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5.	29°54'47.53"N	79°58'56.13"E																								
6.	29°54'37.86"N	79°58'57.82"E																								
7.	29°54'39.31"N	79°59'5.90"E																								
14.	Letter of Intent from State Government	14/VII-A-1/2021-01(02)/2022, dated 07.01.2022																								
15.	Mine Plan approval details	2351/Mu.Kha./Khanan/40/Soapstone/Bag./Bhu.Khani E./2019-20 (2022) Dated 23.09.2022																								
16.	Validity of Mine Plan	5 years (period of mine plan will effect from date of registration of lease deed)																								
17.	Total geological reserves	229071Tonnes																								
18.	Total Proposed Production (In 5 Years)	<table><tr><td>First year</td><td>6630Tonnes</td></tr><tr><td>Second Year</td><td>7750Tonnes</td></tr><tr><td>Third year</td><td>8836Tonnes</td></tr><tr><td>Fourth Year</td><td>10839Tonnes</td></tr><tr><td>Fifth Year</td><td>12636Tonnes</td></tr></table>	First year	6630Tonnes	Second Year	7750Tonnes	Third year	8836Tonnes	Fourth Year	10839Tonnes	Fifth Year	12636Tonnes														
First year	6630Tonnes																									
Second Year	7750Tonnes																									
Third year	8836Tonnes																									
Fourth Year	10839Tonnes																									
Fifth Year	12636Tonnes																									
19.	Sanctioned Period of Mine lease	50 Years																								
20.	Method of Mining	Open Cast Semi Mechanized Method																								
21.	No. of working days	240																								
22.	Working hours/day	8 Hrs																								
23.	No. of workers	25 Nos.																								
24.	Type of Land	State Govt. Land, Agriculture land & public use land																								
25.	Ultimate Depth of Mining	12m																								
26.	Water Requirement	16.50KLD																								
27.	Any litigation pending against the project or land in any court	NA																								
28.	Ecological Sensitive Map/zone	Submitted																								
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Submitted																								
30.	Proposed CER cost	3.50 Lakh																								
31.	Proposed EMP cost	Rs9.0 Lakhs (Capital) Rs14.25 Lakhs (Recurring)																								
32.	No. of Trees to be Planted.	6130plants																								
33.	Detail of CTE/CTO issued by UPPCB	Will be applied after Grant of EC																								

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

- The committee further directed that mining/extraction of mineral and progressive mine closure should be done 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 12000 plants in 6.0 Ha. will be planted in first two years followed by maintenance in the next three years & the proponent will distribute fruit bearing trees species to local villagers. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The proponent shall provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- Approved DSR of District Bageshwar is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The Project Proponent has submitted a Cluster Certificate issued by Mining Department, Uttarakhand vide his letter no-456 dated-07.09.2022 stating that there are four another mining lease falls within 500 m radius of the lease area, whose cumulative mine lease area >5 Ha.
- The Project Proponent has submitted a certificate issued by CCF, I.T Cell of Forest Department, Uttarakhand vide his letter no 189/32-2(EoDB) dated-04.08.2023 stating that the proposed area for mining does not lies within 10 KM of any National Park/Sanctuary.
- The Project Proponent has submitted approved conservation plan certified by DFO, Bageshwar.
- **The project proponent has furnished an affidavit regarding the compliances of ToR and adequacy check of EIA report. The ACO has also given in writing vide his letter dated 22.02.2024 that they have modified the EIA report chapter-wise as and where required.**
- **The project proponent shall submit authentic list of flora & fauna along with six monthly compliance report.**
- **The Project Proponent shall ensure that the issues/concerns raised during public consultation are addressed amicably.**
- **The Project Proponent shall submit a detail of the socio-economic status of the villages falling within 10.0 Km radius of the project area.**
- **Project Proponent shall provide Rs 3.0 lakh for modernizing Chemistry/Biology Lab of nearby Govt. Inter College and submit documentary evidence to SEIAA along with six monthly compliance report.**
- **Project Proponent shall carryout impact assessment study for aquatic fauna along with mitigation measures and submit documentary evidence to SEIAA along with six monthly compliance report.**
- **Project Proponent shall inform to SEIAA in case of change of evacuation plan.**
- The project proponent shall submit quarterly reports pertaining to ambient air quality, ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- All the vehicles being used for transportation from the mine site should have a valid pollution under control certificate.
- The Proponent shall ensure installation of water sprinklers within the premises to prevent dust hazards.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The project proponent shall ensure proper collection, treatment and disposal of mule excrete.
- The project proponent shall undertake suitable measures to avoid spillage of over burden and inter burden. During monsoon stocked over burden shall be covered so that it will not spill into nearby water bodies.
- The project Proponent shall ensure the reclamation of mining area as per mine closure plan at his own cost.
- The project proponent shall undertake all the activities agreed during public consultation.
- The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.



- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall 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-1**), the committee recommended the above project for grant of Environmental Clearance.

Proposal – 10

Online proposal No.	SIA/UK/MIN/462442/2024
Site Details	Proposed Extraction of Soapstone at Village - Simkhet/Gairtoli, Tehsil & District - Bageshwar
Name & Address of Proponent	Shri Kanti Lal Sah S/o Shri Girdhari Lal Sah R/o - Pindari Road, Tehsil & District - Bageshwar
Coordinates	Pillar Wise- 1 to 52 Latitude- 29°49'38.87"N to 29°49'36.64"N Longitude- 79°50'55.46"E to 79°50'55.25"E
Mining Lease Area	8.303 Ha
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006.

The project was submitted vide proposal no SIA/UK/MIN/462442/2024 on dated 12th February, 2024 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was recommended by the SEAC in its meeting dated- 09.07.2021, the ToR letter was issued vide letter No.-232/SEAC dated-15.07.2021 and the public hearing was conducted on dated-16.02.2023. 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 P & M Solution and project was presented by Shri Rahul Kumar, EIA, Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description									
1.	Name of the Project Proponent	Shri Kanti Lal Sah, S/o Shri Girdhari Lal Sah									
2.	Registered Address	Shri Kanti Lal Sah, S/o Shri Girdhari Lal Sah, R/o-Pindari Road Tehsil & District – Bageshwar, Uttarakhand									
3.	Full correspondence address of proponent and mobile no.	ShriKantiLalSah, S/o ShriGirdhariLalSah, R/o-Pindari Road Tehsil & District – Bageshwar, Uttarakhand									
4.	Name of Project	Simkhet/Gairtoli Soapstone Deposit									
5.	Project Location (Plot.Khasra/Gata No.)	Near Village – Simkhet/Gairtoli, Tehsil & District– Bageshwar, State- Uttarakhand									
6.	Name of Village	Simkhet/Gairtoli									
7.	Tehsil	Bageshwar									
8.	District	Bageshwar									
9.	State	Uttarakhand									
10.	Name of Minor Mineral	Soapstone									
11.	Sanctioned Lease Area (in Ha.)	8.303 ha									
12.	Max. & Min mRL within lease area	Max- 1548.50 mRL& Min-1358.80 mRL									
13.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Pillar No</th><th>N</th><th>E</th></tr> </thead> <tbody> <tr> <td>1.</td><td>29°49'38.87"N</td><td>79°50'55.46"E</td></tr> <tr> <td>2.</td><td>29°49'38.93"N</td><td>79°50'54.42"E</td></tr> </tbody> </table>	Pillar No	N	E	1.	29°49'38.87"N	79°50'55.46"E	2.	29°49'38.93"N	79°50'54.42"E
Pillar No	N	E									
1.	29°49'38.87"N	79°50'55.46"E									
2.	29°49'38.93"N	79°50'54.42"E									

			3.	29°49'39.46"N	79°50'55.04"E
			4.	29°49'39.35"N	79°50'55.67"E
			5.	29°49'41.17"N	79°50'57.30"E
			6.	29°49'43.53"N	79°50'56.48"E
			7.	29°49'43.90"N	79°50'55.01"E
			8.	29°49'42.40"N	79°50'54.95"E
			9.	29°49'45.58"N	79°50'52.67"E
			10.	29°49'44.98"N	79°50'49.55"E
			11.	29°49'44.19"N	79°50'49.59"E
			12.	29°49'44.62"N	79°50'49.27"E
			13.	29°49'44.87"N	79°50'44.75"E
			14.	29°49'42.23"N	79°50'45.31"E
			15.	29°49'42.33"N	79°50'48.40"E
			16.	29°49'43.47"N	79°50'49.37"E
			17.	29°49'43.02"N	79°50'50.67"E
			18.	29°49'43.06"N	79°50'51.50"E
			19.	29°49'42.65"N	79°50'50.31"E
			20.	29°49'41.78"N	79°50'50.29"E
			21.	29°49'40.21"N	79°50'49.68"E
			22.	29°49'38.88"N	79°50'49.98"E
			23.	29°49'38.81"N	79°50'53.19"E
			24.	29°49'37.46"N	79°50'53.54"E
			25.	29°49'37.42"N	79°50'54.48"E
			26.	29°49'35.36"N	79°50'53.52"E
			27.	29°49'36.92"N	79°50'49.83"E
			28.	29°49'36.36"N	79°50'49.05"E
			29.	29°49'36.91"N	79°50'48.47"E
			30.	29°49'36.00"N	79°50'47.71"E
			31.	29°49'35.72"N	79°50'45.41"E
			32.	29°49'34.55"N	79°50'43.92"E
			33.	29°49'34.47"N	79°50'43.37"E
			34.	29°49'34.98"N	79°50'44.32"E
			35.	29°49'35.93"N	79°50'45.00"E
			36.	29°49'36.20"N	79°50'43.68"E
			37.	29°49'36.35"N	79°50'40.15"E
			38.	29°49'35.07"N	79°50'40.33"E
			39.	29°49'31.92"N	79°50'41.98"E
			40.	29°49'33.25"N	79°50'46.10"E
			41.	29°49'33.96"N	79°50'46.83"E
			42.	29°49'32.39"N	79°50'46.14"E
			43.	29°49'33.64"N	79°50'49.64"E
			44.	29°49'33.25"N	79°50'50.53"E
			45.	29°49'33.60"N	79°50'53.43"E
			46.	29°49'33.19"N	79°50'53.37"E
			47.	29°49'33.20"N	79°50'54.00"E
			48.	29°49'35.05"N	79°50'54.76"E
			49.	29°49'33.78"N	79°50'55.47"E
			50.	29°49'34.49"N	79°50'57.76"E
			51.	29°49'36.00"N	79°50'57.10"E
			52.	29°49'36.64"N	79°50'55.25"E
14.	Letter of Intent from State Government	2344/VII-1/2018/1(14)/18, Dated -07.12.2018			
15.	Mine Plan approval details	5020/Mu.Kha./Khanan/76/Soapstone/Bag./Bhu.Khani E./2016-17Dated 12.12.2023			
16.	Validity of Mine Plan	5 years (period of mine plan will effect from date of registration of lease deed)			
17.	Total geological reserves	159981Tonnes			
18.	Total Proposed Production (In 5 Years)	First year	12495		
		Second Year	13229		
		Third year	15706		
		Fourth Year	17952		
		Fifth Year	19656		
19.	Sanctioned Period of Mine lease	50 Years			

20.	Method of Mining	Open Cast Semi Mechanized Method
21.	No. of working days	240
22.	Working hours/day	8 Hrs
23.	No. of workers	37 Nos.
24.	Type of Land	State Govt. Land, Agriculture land & public use land
25.	Ultimate Depth of Mining	Pit I – 24 m (1474 – 1450 mRL)
26.	Water Requirement	18.63KLD
27.	Any litigation pending against the project or land in any court	NA
28.	Ecological Sensitive Map/zone	Submitted
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Submitted
30.	Proposed CER cost	3.50Lakh
31.	Proposed EMP cost	Rs 12.00 Lakhs (Capital) Rs 8.475 Lakhs (Recurring)
32.	No. of Trees to be Planted.	8500 plants
33.	Detail of CTE/CTO issued by UPPCB	Will be applied after Grant of EC

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

- The committee further directed that mining/extraction of mineral and progressive mine closure should be done 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 8000 plants in 4.0 Ha. will be planted in first two years followed by maintenance in the next three years & the proponent will distribute fruit bearing trees species to local villagers. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The proponent shall provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- Approved DSR of District Bageshwar is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The Project Proponent has submitted a Cluster Certificate issued by Mining Department, Uttarakhand vide his letter no-704 dated-21.12.2021 stating that there are two another mining lease falls within 500 m radius of the lease area, whose cumulative mine lease area >5 Ha.
- The Project Proponent has submitted a certificate issued by Divisional Forest Officer, Bageshwar vide his letter no 242/9-2 dated-14.07.2021 stating that the proposed area for mining does not lies within 10 KM of any National Park/Sanctuary.
- The Project Proponent has submitted approved conservation plan certified by DFO, Bageshwar.
- The project proponent has furnished an affidavit regarding the compliances of ToR and adequacy check of EIA report. The ACO has also given in writing vide his letter dated 22.02.2024 that they have modified the EIA report chapter-wise as and where required.
- The project proponent shall submit authentic list of flora & fauna along with six monthly compliance report.
- The Project Proponent shall ensure that the issues/concerns raised during public consultation are addressed amicably.
- The Project Proponent shall submit a detail of the socio-economic status of the villages falling within 10.0 Km radius of the project area.
- Project Proponent shall provide Rs 3.0 lakh for modernizing Chemistry/Biology Lab of nearby Govt. Inter College and submit documentary evidence to SEIAA along with six monthly compliance report.
- Project Proponent shall carryout impact assessment study for aquatic fauna along with mitigation measures and submit documentary evidence to SEIAA along with six monthly compliance report.

- **Project Proponent shall inform to SEIAA in case of change of evacuation plan.**
- The project proponent shall submit quarterly reports pertaining to ambient air quality, ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- All the vehicles being used for transportation from the mine site should have a valid pollution under control certificate.
- The Proponent shall ensure installation of water sprinklers within the premises to prevent dust hazards.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- The project proponent shall ensure proper collection, treatment and disposal of mule excrete.
- The project proponent shall undertake suitable measures to avoid spillage of over burden and inter burden. During monsoon stocked over burden shall be covered so that it will not spill into nearby water bodies.
- The project Proponent shall ensure the reclamation of mining area as per mine closure plan at his own cost.
- The project proponent shall undertake all the activities agreed during public consultation.
- The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall 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-1**), the committee recommended the above project for grant of Environmental Clearance.

Proposal – 11

Online proposal No.	SIA/UK/MIN/462448/2024
Site Details	Proposed Extraction of Soapstone at Village- Khuldori, Tehsil& District-Bageshwar.
Name & Address of Proponent	Shri Vinod Singh S/o Shri Harish Chandra Singh & Shri Charu Sharma S/o Shri Satish Chandra Sharma.
Coordinates	Pillar Wise- 1 to 52 Latitude- 29°49'38.87"N to 29°49'36.64"N Longitude- 79°50'55.46"E to 79°50'55.25"E
Mining Lease Area	3.136 Ha.
Category	B1 & 1(a) enlisted in project /activity as per EIA Notification, 2006.

The project was submitted vide proposal no SIA/UK/MIN/462448/2024 on dated 12thFebruary, 2024 by the project proponent. The committee observed that proponents seek Environmental Clearance for extraction of Soapstone in accordance with the provisions of EIA Notification, 2006 as enlisted in Schedule 1(a). The committee observed that the ToR was recommended by the SEAC in its 4thmeeting dated- 01.03.2023, the ToR letter was issued vide letter No.-242/SEAC dated-09.03.2023 and the public hearing was conducted on dated-13.10.2023. 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 P & M Solution and project was presented by Shri Rahul Kumar, EIA, Coordinator.** The details of the project are as follows:-

S.No	Parameters	Description
1.	Name of the Project Proponent	Shri Vinod Singh S/o Shri Harish Chandra Singh & Shri Charu Sharma S/o Shri Satish Chandra Sharma

2.	Registered Address	Village - Khuldori, Tehsil & District - Bageshwar, Uttarakhand		
3.	Full correspondence address of proponent and mobile no.	Shri Vinod Singh S/o Shri Harish Chandra Singh R/o Village - Kuldori, Tehsil & District - Bageshwar, State- Uttarakhand & ShriCharu Sharma S/o ShriSatish Chandra Sharma R/o-Railway Road, Shivpuri, Bulandshahr (U.P)		
4.	Name of Project	Khuldori Soapstone Mining Project		
5.	Project Location (Plot.Khasra/Gata No.)	Village - Khuldori, Tehsil & District - Bageshwar, Uttarakhand		
6.	Name of Village	Khuldori		
7.	Tehsil	Bageshwar		
8.	District	Bageshwar		
9.	State	Uttarakhand		
10.	Name of Minor Mineral	Soapstone		
11.	Sanctioned Lease Area (in Ha.)	3.136 ha		
12.	Max. & Min mRL within lease area	Max- 1430.50mRL & Min-1330.40mRL		
13.	Pillar Coordinates (Verified by DMO)	Pillar No	N	E
		1.	29°52'42.13"N	79°48'14.10"E
		2.	29°52'45.54"N	79°48'21.98"E
		3.	29°52'43.67"N	79°48'22.44"E
		4.	29°52'43.49"N	79°48'21.65"E
		5.	29°52'40.87"N	79°48'22.56"E
		6.	29°52'40.89"N	79°48'22.99"E
		7.	29°52'41.92"N	79°48'22.90"E
		8.	29°52'41.74"N	79°48'23.33"E
		9.	29°52'40.08"N	79°48'24.02"E
		10.	29°52'37.63"N	79°48'24.33"E
		11.	29°52'37.71"N	79°48'23.13"E
		12.	29°52'42.39"N	79°48'21.24"E
		13.	29°52'42.19"N	79°48'20.57"E
		14.	29°52'39.85"N	79°48'21.34"E
		15.	29°52'38.46"N	79°48'17.13"E
		16.	29°52'40.94"N	79°48'15.08"E
		17.	29°52'41.22"N	79°48'14.06"E
14.	Letter of Intent from State Government	2458/VII-A-1/2021/1(4)/2021, Dated-07.01.2022.		
15.	Mine Plan approval details	1762/Mu.Kha./Khanan/51/Soapstone/Bag./Bhu.Khani E./2019-20Dated 08.08.2022		
16.	Validity of Mine Plan	5 years (period of mine plan will effect from date of registration of lease deed)		
17.	Total geological reserves	134565Tonnes		
18.	Total Proposed Production (In 5 Years)	First year	8095 Tonnes	
		Second Year	8794 Tonnes	
		Third year	9448 Tonnes	
		Fourth Year	10737Tonnes	
		Fifth Year	11617 Tonnes	
19.	Sanctioned Period of Mine lease	25 Years		
20.	Method of Mining	Open Cast Semi Mechanized Method		
21.	No. of working days	240		
22.	Working hours/day	8 Hrs		
23.	No. of workers	24 Nos.		
24.	Type of Land	State Govt. Land, Agriculture land & public use land		
25.	Ultimate Depth of Mining	12m		
26.	Water Requirement	7.0KLD		
27.	Any litigation pending against the project or land in any court	NA		
28.	Ecological Sensitive Map/zone	Submitted		
29.	Details of 500 m Cluster	Submitted		



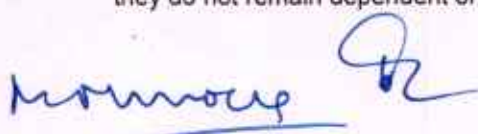




	certificate & Map Verified by Mining Officer	
30.	Proposed CER cost	3.50Lakh
31.	Proposed EMP cost	Capital Rs. 6.20 Lakhs & Recurring Rs. 7.10 Lakhs
32.	No. of Trees to be Planted.	3200plants
33.	Detail of CTE/CTO issued by UPPCB	Will be applied after Grant of EC

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

- The committee further directed that mining/extraction of mineral and progressive mine closure should be done 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 8000 plants in 4.0 Ha. will be planted in first two years followed by maintenance in the next three years & the proponent will distribute fruit bearing trees species to local villagers. **In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
- The proponent shall provide Eco-friendly toilets for the laborers.
- The mining operation would provide local employment and bring economic benefit to local population.
- Approved DSR of District Bageshwar is present before the SEAC. The Name of the Project Proponent is mentioned in the DSR.
- The Project Proponent has submitted a Cluster Certificate issued by Mining Department, Uttarakhand vide his letter no-548 dated-01.11.2022 stating that there are seven another mining lease falls within 500 m radius of the lease area, whose cumulative mine lease area >5 Ha.
- The Project Proponent has submitted a certificate issued by CCF, I.T Cell of Forest Department, Uttarakhand vide his letter no 211/32-2(EoDB) dated-08.08.2023 stating that the proposed area for mining does not lies within 10 KM of any National Park/Sanctuary.
- The Project Proponent has submitted approved conservation plan certified by DFO, Bageshwar.
- **The project proponent has furnished an affidavit regarding the compliances of ToR and adequacy check of EIA report. The ACO has also given in writing vide his letter dated 22.02.2024 that they have modified the EIA report chapter-wise as and where required.**
- The project proponent shall submit authentic list of flora & fauna along with six monthly compliance report.
- The Project Proponent shall ensure that the issues/concerns raised during public consultation are addressed amicably.
- The Project Proponent shall submit a detail of the socio-economic status of the villages falling within 10.0 Km radius of the project area.
- Project Proponent shall provide Rs 3.0 lakh for modernizing Chemistry/Biology Lab of nearby Govt. Inter College and submit documentary evidence to SEIAA along with six monthly compliance report.
- Project Proponent shall carryout impact assessment study for aquatic fauna along with mitigation measures and submit documentary evidence to SEIAA along with six monthly compliance report.
- **Project Proponent shall inform to SEIAA in case of change of evacuation plan.**
- The project proponent shall submit quarterly reports pertaining to ambient air quality, ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.
- All the vehicles being used for transportation from the mine site should have a valid pollution under control certificate.
- The Proponent shall ensure installation of water sprinklers within the premises to prevent dust hazards.
- Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.












- The project proponent shall ensure proper collection, treatment and disposal of mule excrete.
- The project proponent shall undertake suitable measures to avoid spillage of over burden and inter burden. During monsoon stocked over burden shall be covered so that it will not spill into nearby water bodies.
- The project Proponent shall ensure the reclamation of mining area as per mine closure plan at his own cost.
- The project proponent shall undertake all the activities agreed during public consultation.
- The Project Proponent shall obtain clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.
- The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- The project proponent shall 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-1**), 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

1. The legal status of the mining lease area shall remain unchanged and the Environment Clearance shall remain coterminous with lease period. The mined lease area shall not be used for any purpose other than that specified in the proposal
2. The mining/extraction of soapstone shall not be done without approved mine plan from designated authority. The mine plan should be revised every 5 years and no fresh mine plan shall be prepared without site inspection by designated authority
3. 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 adjoining pillars etc. This demarcation will be ensured by the Revenue Department. A bench mark will be established to monitor depth of the mining. A safety zone of 7.5 mt (surrounding the mine site) shall be left free from mining
4. The mining shall be carried out **as per approved mine plan** without adopting drilling and blasting operation. The use of hand held mechanically driven equipment is permitted. The use of any electrically driven machinery shall be remain prohibited and only hand held tools shall be used for extraction of the mineral
5. Soapstone mining shall be carried out during sunrise to sunset period only. It shall not involve felling of trees and clearance of vegetation. There shall be no permanent construction at the site except temporary erection of first aid room, office, store, drinking water shed, rest shelter etc.
6. The process of mining and quantity of extractable mineral and subsequently progressive mine closure shall be as per the approved mine plan. The mining operation shall be carried out from formation of benching pattern. The maximum height of benches shall not exceed 1.5 mt and ultimate pit slope shall be kept as per the approved mining plan.
7. The maximum permissible depth for mining of soapstone shall not exceed 6 meter or depth of ground water table whichever is less. During first five years of mining lease the depth of mining shall not exceed 3 meter. Mining beyond 6 meter shall be granted after site visit by SEAC
8. Mining shall be permissible from 1st October of every year to 15th June of the subsequent year. It shall be ensured that no mining activity is carried out during the monsoon season
9. Reclamation of the mine lease area shall be through back filling, stabilization and cultivation. The waste and top soil generated during mining shall be temporarily stacked in external dump which will be subsequently vacated and back filled in mined out pits. The waste generated in the area will be backfilled during rains and land made suitable for cultivation. Back filling shall be done in a retreating manner as per the approved mine plan. Mining activity and back filling shall be done simultaneously once space is available
10. No disturbance to natural drainage system around the mining lease area shall be done. No mixing of wastes is allowed. The dump site shall be kept away from the nearby nallahs/water bodies and maintained at a distance of at least 100 meters. The external dump shall be protected against slide/slip by adopting suitable mechanical and vegetative measures. Proponent should construct a retaining wall, along the nallah side, with suitable height to protect soil erosion. The construction of toe wall, check dam and planting of grass species/soil binding dwarf species in dump yard shall be done
11. The project proponent shall undertake transportation of mineral from pit head to read head manually or by mule. Further it shall strictly adhere to the norms of Transport Department in refraining from use of polluting and less fuel efficient vehicles for transporting extracted minerals to final destination. 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. The project proponent shall regulate and maintain record of the quantity of soapstone extracted during a season. The monitoring shall be ensured by Mines Department/District Administration from time to time.
13. There shall be no labour camp in the mining lease area for the labour engaged in mining of soapstone. The labour engaged in mining shall be provided free fuel wood/alternate source of energy to avoid any pressure on adjoining forest land
14. Proponent should submit surface water quality and ambient air quality monitoring report as committed in EMP, with suitable parameters
15. Under corporate social responsibility proponent should develop community services such as drinking water, education, housing, sanitation, health, safety and medical facilities, public transportation and communication, social welfare etc.
16. 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
17. Afforestation shall be carried out in nearby Van Panchayat. The species selection shall be site specific and cater to the demand of the Van Panchayat. The concerned district official of State Forest Department shall ensure the compliance.
18. The Geology and Mining department shall 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

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19. The project proponent shall formulate a transparent and unbiased procedure for engagement of laborers for sustainable extraction of the minerals from the mining lease area. 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 relevant Acts/Rules
20. 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. at least 100mt distance from Nallahs/Water Bodies, bridges, educational institution or structures of historical importance.
21. 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. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard
22. The project proponent shall 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
23. 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
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
25. The project proponent should plant nos of sapling as suggest by SEAC in first 2 years and followed by maintenance 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.
26. 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.
27. The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
28. The above environmental safeguards shall be implemented in letter and spirit. The project proponent shall establish Environment Monitoring Cell and 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 1st October of every year to 15th 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 1st June to 15th June and 1st Oct to 31st 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 nos of sapling as suggested by SEAC 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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- 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 gariand drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials must not be allowed to contaminate watercourse and dumpsites as such materials leach into ground water.
- 1.11. The water requirement during construction phase shall be met from regular water supply/private tankers. There shall be no extraction of ground water and water requirement for the project in operational phase shall be met entirely from private tankers. Construction work requiring water shall not be carried out during 30th April to 15th June in the year
- 1.12. The soil and groundwater samples shall be tested from accredited agencies and it shall be ensured that they comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.
- 1.13. DG Sets shall be used only as backup power and it should have stack height complying with CPCB norms.
- 1.14. Fixtures of showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices/sensor based control. Dual plumbing system shall be installed separately for fresh water and waste water.
- 1.15. The use of glass may be reduced by upto 40 percent to reduce the electricity consumption and load on air conditioning. If necessary then use of high quality double glass may be encouraged with special reflective coating in windows.
- 1.16. The use of LED and such other power saving devices shall be maximized. Common areas and landscape areas shall be illuminated with solar lighting system. At least 10 percent of the total power requirement after completion of construction unit shall be met from solar energy.
- 1.17. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, 2006 which is proposed to be mandatory for all air-conditioned spaces while non air-conditioned spaces should have appropriate thermal insulation materials. The U values of the roof, external wall and fenestration shall also meet specifications of ECBC, 2006.
- 1.18. Rainwater harvesting for roof top and surface run off should be ensured as per the plan submitted. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles. The bore well for rain water recharging should be kept at 5 metres above the highest ground water table
- 1.19. The storm water management shall be so designed as to avoid discharge of water directly to the forest areas/adjoining locality which may lead to water logging in nearby areas. The storm water shall be put to use for recharging of aquifers and also pond creation within the campus

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1.20. One third of the total project site area shall be converted into green belt. The green belt shall not include kitchen garden, flower pots and grasses/herbs in the area. It shall comprise of tree stand of aesthetic/fruit/timber value. Quality planting material has to be used during plantation as per standards of State Forest Department.

1.21. Acoustic enclosures shall be provided with all construction machineries and DG sets on site complying with Noise Levels of CPCB standards. The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system as approved by UEPPCB.

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

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

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

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

1.26. Adequate drinking water and sanitation facility has to be provided on site for the workforce. Provision should be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.

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

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

1.29. The entire site after construction activities should carry signages of garbage collection points, environment awareness etc.

1.30. A STP shall be installed for treating waste water upto permissible standards and complying with parameters of CPCB/UEPPCB guidelines & no treated waste water is allowed to take outside the premises for any uses.

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

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

1.33. DG sets shall be used only in emergency purpose. The use of solar energy and inverter shall be ensured and maximized as backup power.

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

1.35. The project proponent shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines from time to time in force, as applicable to the project.

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

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Terms of Reference (ToR)

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

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

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

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

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



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



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

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

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- 36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.

44) Besides the above, the below mentioned general points are also to be followed:-

- a) Executive Summary of the EIA/EMP Report
- b) All documents to be properly referenced with index and continuous page numbering.
- c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
- d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
- e) Where the documents provided are in a language other than English, an English translation should be provided.
- f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
- g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
- i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
- j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

Note: 1) The study area shall comprise of radial distance of 10 KM from the project site and the study period is three months. The impact on each of the above parameter as a result of mining shall be assessed through appropriate modeling and prediction methods considering base line data.

2) District Survey Report should be submitted as per the latest notification issued by MoEF&CC.

Additional TOR:

1. Project Proponent shall carry out detailed stability study of the project area as it is falling near to natural disaster prone Joshimath area.
2. Project Proponent shall carry out detailed investigation on impact of the mining activity on the tourist activity and the aquatic bio-diversity.

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3. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc. Proprietor/proprietor representative should be present at the time of monitoring and monitoring should be conducted as per CPCB SOP/NABET/QCI guidelines. Lab responsible person should be present at the time of EIA presentation.
4. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
 5. The project proponent will have to inform the schedule of monitoring/data collection programme to the SEIAA, Uttarakhand before start of data collection. In case of failure, the collected baseline monitoring data will be treated as null and void.
 6. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
 7. Original lab analysis report of the project proposal along with EIA report should be uploaded on Parivesh Portal.
 8. Combined KML of all mines in a cluster should be submitted at the time of EIA.
 9. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
 10. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
 11. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
 12. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
 13. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
 14. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
 15. Corporate Social Responsibility (CSR) to be prepared as per the MoEF&CC guidelines and present it at the time of EIA presentation.

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