

राज्य स्तर पर्यावरण समाघात निर्धारण प्राधिकरण, उत्तराखण्ड, 653, इन्दिरा नगर कालोनी, सीमाद्वार रोड, देहरादून- 248006 (पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार, नई दिल्ली द्वारा गठित)

दूरभाष: 0135-3510581

ईमेल: selaa.seac.uk@gmail.com



State Level Environment Impact Assessment Authority, 653, Indiranagar Colony, Seemadwar Road, Dehradun- 248006 (Constituted by Ministry of Environment, Forests and Climate Change Government of India.)
Phone No- 0135-3510581
Email- selaa.seac.uk@gmail.com

E.C.No- 267-01(154)/2021

Dated- 12-08-2021

To,

Managing Director,
Uttarakhand Forest Development Corporation (UKFDC),
Aranya Vikas Bhawan, 73, Nehru Road, Dehradun.

Sub: Environmental Clearance under EIA notification dated 14.09.2006 for extraction of sand, bajri and boulders in Jakhan-1 River at Village- Ranipokhri, Tehsil Rishikesh, District- Dehradun. (Area- 99.95 Ha.)

Sir,

Kindly take reference to your online proposal No SIA/UK/MIN/66223/2020 on submitted to SEIAA Uttarakhand regarding aforementioned subject. The details about the project site and proposal for EC as per the documents submitted by the project proponent is as under:-

S.No	Title	Project details																											
1.	Name of the proponent	M/s Uttarakhand Forest Development Corporation.																											
2.	Project Site	99.95 ha																											
3.	Project Site Coordinates	<table border="1"> <thead> <tr> <th>Pillar No.</th> <th>Latitudes</th> <th>Longitudes</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>30°12'40.160" N</td> <td>78°13'31.840" E</td> </tr> <tr> <td>B</td> <td>30°12'14.720" N</td> <td>78°13'11.940" E</td> </tr> <tr> <td>C</td> <td>30°11'50.390" N</td> <td>78°12'50.340" E</td> </tr> <tr> <td>D</td> <td>30°11'25.980" N</td> <td>78°12'25.370" E</td> </tr> <tr> <td>E</td> <td>30°11'31.620" N</td> <td>78°12'16.620" E</td> </tr> <tr> <td>F</td> <td>30°11'57.590" N</td> <td>78°12'37.450" E</td> </tr> <tr> <td>G</td> <td>30°12'22.240" N</td> <td>78°12'57.570" E</td> </tr> <tr> <td>H</td> <td>30°12'45.420" N</td> <td>78°13'24.440" E</td> </tr> </tbody> </table>	Pillar No.	Latitudes	Longitudes	A	30°12'40.160" N	78°13'31.840" E	B	30°12'14.720" N	78°13'11.940" E	C	30°11'50.390" N	78°12'50.340" E	D	30°11'25.980" N	78°12'25.370" E	E	30°11'31.620" N	78°12'16.620" E	F	30°11'57.590" N	78°12'37.450" E	G	30°12'22.240" N	78°12'57.570" E	H	30°12'45.420" N	78°13'24.440" E
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4.	Type of Project	1(a) as per EIA notification 2006																											
5.	Mine Lease Area	99.95 ha																											
6.	Project Category as per EIA notification 2006	B1																											
7.	New or Ongoing Site	New; FC has been expired on 25.05.2019																											
8.	Letter of Intent	The Letter of Intent (LoI) has been issued by the Director of Mines & Geology department, Uttarakhand vide letter No. 539/khanan/loi/vi/ni/bu/khani/e/2018-19 dated 24-07-2018 for the period of 5 years but due to a typographical error for the mine site area; amendment letter was issue with vide letter no. 1036/khanan/loi/va/vi/na/bhu/khani/e/2018-19 dated 05-11-2018																											
9.	Method of Mining	Opencast Manual Mining																											
10.	Total Mineable Reserve	3298350.00 Tonnes																											
11.	Estimated Quantity	2968515.00 Tonnes/Annum																											
12.	Thickness of Soil	Nil																											
13.	Mining Shall be carried out	627.0 mRL to 577.5 mRL																											
14.	Mine area under cluster	No mine lease area																											
15.	Slopes and ultimate face slope	45°																											
16.	No of Pits	1																											

17.	Project Cost	Cost/EMP	₹ 757.07 Lakh
18.	Corporate Responsibility	Social	2% of the Project cost
19.	Whether any tree felling is involved		No

The SEAC during its meeting held on 7th August, 2021 had undertaken appraisal of the above project. It has been found that the proposal is classified under Category B1 of EIA Notification 2006. The proponent has submitted PFR, EMP and other relevant documents as desired. After due examination of the relevant documents/certificates submitted by the project proponent and additional clarification furnished in response to its observations earlier, SEAC has recommended the grant of Environmental Clearance for the above project, subject to compliance of the EMP and other stipulated conditions. SEIAA during its meeting dated 10th – 11th August, 2021 considered the above proposal based on the recommendation of SEAC. After due examination and deliberation, the **SEIAA Uttarakhand hereby accords Environmental Clearance** for the above project under category B-1 of EIA notification 2006 (as amended from time to time) subject to the strict compliance with the General, Specific and other conditions mentioned below:-

1- General Condition

- 1) The mining/extraction of mineral and progressive mine closure should be done as per the approved mine plan. The mine plan should have validity till the mining period
- 2) The Proponent will ensure 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.
- 3) The project area shall be strictly used for the activities permitted. The workers will be strictly instructed to not to enter in the adjoining forest and not to harm any wildlife and existing vegetation for their various needs. No work shall be carried out after sunset
- 4) The overall manpower will be restricted to bare minimum. Though mostly local labour will be deployed, but for the essential manpower staying at site, fuel wood will be provide for their cooking purpose
- 5) Sufficient numbers of dustbins will be provided to labourers for collection of their daily use garbage, Bio-degradable & solid garbage will be collected in separated bins & proper disposal of these garbage will be ascertained.
- 6) At no stage mining shall be carried out after exhausting extraction of the estimated mineable quantity as stated above.
- 7) The mining operation would provide local employment and bring economic benefits to local population.
- 8) The Proponent should provide Eco-friendly toilets for the workforce. The workers shall be directed to use the sanitation facilities provided at project site and instructed not to litter the project site. Sufficient numbers of Bio-Toilets will be provide to workers at safe distance from river flow bed.
- 9) Wild Animals being sensitive to noise, no project activities shall be carried out at night (sunset to sunrise) time.
- 10) All workers shall be imparted basic knowledge regarding the Do's and Don'ts of working within Forest Areas.
- 11) Photography of the proposed mining site (preferably using Drone) should be done and submitted to SEIAA along with half-yearly compliance report.
- 12) 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>. The compliance report shall also be e mailed to the Regional Office in Dehradun in moef.ddn@gov.in

2- Conditions for operation phase

- 1) The project proponent should advertise with basic details at least in two widely circulated local newspapers, within seven (7) days of the receipt of the clearance letter informing that the project has been accorded environmental clearance by the State Environment Impact Assessment Authority, Dehradun and a copy of the same be sent to the Regional Office of Ministry of Environment and Forest, Government of India located at 25 Subhash, Road Dehradun.
- 2) Extraction of minor minerals shall be restricted to middle half of the width of river bed/mining site after leaving intact 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.
- 3) 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.
- 4) Extraction of minor mineral is permitted 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.

- 5) 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 as per rules.
- 6) The extraction of sand, bajri and boulder shall be carried out in Opencast manual method as per the approved mine plan.
- 7) The collection time of river bed materials (RBM) shall be from sun-rise to sun-set.
- 8) 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 per standard norms of Central Government/State Government/Hon'ble Courts from time to time. No movement of vehicles in night shall be permitted.
- 9) 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.
- 10) 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.
- 11) The proponent shall erect ecofriendly mobile toilets for the workforce at site and shall ensure disposal of solid waste as per the existing provisions/rules/guidelines.
- 12) 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 (Non mining area), distance from the bridges etc. It should be minimum 3m or 1/10th of the width of the river whichever is more. Further additional buffer zone of 100 meter within the mine lease area from the airport side shall be excluded from mining activity.
- 13) 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. The proponent should not interfere with the flow of water and amount of water.
- 14) 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.
- 15) 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.
- 16) Link Road from mining site to main Road shall be maintained by the project-proponent.
- 17) The topsoil if any shall be stacked at earmarked site only and shall be used for reclamation.
- 18) Mineral handling, loading and unloading areas including all the transfer points should have efficient dust control arrangements. These should be properly maintained & operated.
- 19) 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 should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
- 20) The project proponent shall ensure planting in area 100 ha and it's maintenance for atleast 5 years. This target will be over and above the compensatory of afforestation mandated under forest clearance (FC Act).
- 21) Project proponent will strictly comply with provisions of EMP
- 22) Project proponent will have to submit EMP/EIA report to Mining Department (Lessee) and Pollution Control Board before getting work order/Consent to Establish or Operate

3- Conditions for entire life of the project

- 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, 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 project proponent shall use dust suppression equipment for sprinkling near by the mine site, so the PP was directed to leave 25 % area from the river bank sides.
- 5) 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 Department of mines/District Administration from time to time.
- 6) 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 per standard norms of Central Government/State Government/Hon'ble Courts from time to time.
- 7) If the ownership is transferred then fresh Environment Clearance will be obtained under EIA notification dated 14.09.2006. However, no activity shall be undertaken till the Environment



Clearance is transferred in his name and he is lawfully bound to comply with the conditions of the Environmental Clearance.

- 8) The Ministry of Environment, Forest and Climate has formulated the "Sustainable Sand Mining Management Guidelines 2016". The Proponent shall ensure the implementation of the Sustainable Sand Mining Management Guidelines 2016.
- 9) The project proponent shall set up Environment Management Cell which will also coordinate with general public, regulatory authorities and local administration to appraise environmental performance of the mining activity.
- 10) If it is found that if conditions laid down by the Authority are violated, the Authority may suspend or cancel this Environmental Clearance.

4- Specific Conditions:- (To be followed by Director Industry, Geology and Mining Unit, Govt. of Uttarakhand).

- 1) A study shall be carried out in the second year through Department of Geology and Mines relating to replenishment of the mineral so as to ensure that the quantity of mineral to be removed does not exceed the siltation to avoid over exploitation of mineral, which may adversely affect the dynamics of river. A copy of said study report shall be submitted to the regional office of the Ministry of Environment, Forest and Climate Change, Dehradun and SEIAA, Uttarakhand.
- 2) Mining Department (Lessee) will ensure compliance of the provisions of EMP/EIA, by the project proponent.
- 3) Project proponent will have to submit EMP/EIA report to Mining Department (Lessee) and Pollution Control Board before getting work order/Consent to Established or Operate.
- 4) Mining Department will inform the proposed quantity of R.B.M to this Authority.
- 5) The Geology and Mining unit of Industry Department shall ensure site specific river training works at the work site to ensure bank protection. Mining department should ensure that a Corpus fund for this purpose will be set up and kept at the disposal of District Magistrate.
- 6) The Geology and Mining unit of Industry 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.
- 7) Digital processing of the entire lease area using remote sensing technique should be done by Geology and Mining department regularly once in three years for monitoring the change of river course, if any and report should be submitted to the Ministry of Environment and Forests, Regional office at Dehradun and SEIAA, Uttarakhand.
- 8) Enforcement & Monitoring Guidelines for Sand Mining 2020 (<http://environmentclearance.nic.in/writereaddata/SandMiningManagementGuidelines2020.pdf>) issued by MoEF&CC shall be followed

In view of the COVID-19 scenario, social distancing at work-place shall be maintained, and such other conditions and safeguard shall be ensured as directed by Government of India, Government of Uttarakhand and concerned District Magistrate from time to time.

Your's Faithfully

(Sushanta Kumar Pattnaik)
Member Secretary,
SEIAA, Uttarakhand

OIC

No - 01(154)/2021 dated- as above
Copy for information and necessary action to-

1. APCCF, Regional office (Central) MoEF&CC Govt of India, 25 Subhash Road, Dehradun.
2. Additional Chief Secretary, Forests & Environment, Government of Uttarakhand, Dehradun
3. Director Industries, Geology & Mining Unit Govt of Uttarakhand Dehradun
4. District Magistrate, Dehradun.
5. Member Secretary, UEPPCB, IT Park Dehradun.
6. Divisional Forest Officer, Dehradun.
7. Guard File for uploading in Parivesh Website.

(Sushanta Kumar Pattnaik)
Member Secretary,
SEIAA, Uttarakhand

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