

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

दूरभास: 0135-2763576  
 ईमेल: seiaa.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- 0135-2763576  
 Email- seiaa.seac.uk@gmail.com

E.C.No- 47 -01(73)/2019

Dated- 26-09-2019

To,

M/s Sattuj Jal Vidhyut Nigam Limited,  
 VPO- Mori, Tehsil- Mori, Dist- Uttarakashi.

Mob- 09411100053  
 Email-swamimsnegi@gmail.com

**Sub:** Environmental Clearance under EIA notification dated 14.09.2006 for Picking of sand, bajri and boulders in Devta range, Bhasla Compartment Nos. 1,2 & 3, Village - Bhasla, Tehsil- Mori, Dist- Uttarakashi.

Sir,

This has reference to your proposal No SIA/UK/MIN/31893/2019 on dated 26<sup>th</sup> February, 2019, submitted to the SEIAA for grant of Environmental Clearance for mining of Sand, Bajri & Boulder (Minor Mineral) with proposed production capacity 57,915 TPA subject to replenishment and sustainable sand mining as per guidelines of MoEF&CC. The mine lease area is located at Village - Devta range, Bhasla Compartment Nos. 1, 2 & 3, Village - Bhasla, Tehsil- Mori, Dist- Uttarakashi in the mine lease area of 1.7500 ha. The proposal was considered by the State Expert Appraisal Committee in its meeting held on 28<sup>th</sup> May, 2019. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting are as under:-

SL. NO.	Details	Reply																																							
1.	New or Ongoing Site	New																																							
2.	Letter of Intent (Valid upto)	22.02.2023 ( 5 yr from grant of LOI i.e. 22.02.2018) vide letter No. 1928/II-1/2018/43-kh/17																																							
3.	Mine Plan (Valid upto)	23.02.2023 ( 5 yr from approval 23.02.2019 and as per grant of LOI ) 1473/उत्तराखण्ड/पर्यावरण/उत्तराखण्ड/2018&19																																							
4.	Thickness of Soil	2.2 (Tonnage factor)																																							
5.	Maximum Explorable depth	1.5 m																																							
6.	Total Mineable Reserve	57,915 Tonnes per year																																							
7.	Proposed Production	57,915 TPA (Replenished every year)																																							
8.	Coordinates	Latitude & Longitude of the study area are given below: <table border="1"> <thead> <tr> <th>Pillar No.</th> <th>Latitudes</th> <th>Longitudes</th> </tr> <tr> <th>S. No</th> <th>Lat</th> <th>Long</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N30°58'45.71"</td> <td>E77°59'1.88"</td> </tr> <tr> <td>B</td> <td>N30°58'44.59"</td> <td>E77°58'58.61"</td> </tr> <tr> <td>C</td> <td>N30°58'42.95"</td> <td>E77°58'55.46"</td> </tr> <tr> <td>D</td> <td>N30°58'42.47"</td> <td>E77°58'53.10"</td> </tr> <tr> <td>E</td> <td>N30°58'41.59"</td> <td>E77°58'49.35"</td> </tr> <tr> <td>F</td> <td>N30°58'40.67"</td> <td>E77°58'46.94"</td> </tr> <tr> <td>G</td> <td>N30°58'38.71"</td> <td>E77°58'47.58"</td> </tr> <tr> <td>H</td> <td>N30°58'40.03"</td> <td>E77°58'50.94"</td> </tr> <tr> <td>I</td> <td>N30°58'41.14"</td> <td>E77°58'54.49"</td> </tr> <tr> <td>J</td> <td>N30°58'43.33"</td> <td>E77°58'57.66"</td> </tr> <tr> <td>K</td> <td>N30°58'44.93"</td> <td>E77°59'2.17"</td> </tr> </tbody> </table>	Pillar No.	Latitudes	Longitudes	S. No	Lat	Long	A	N30°58'45.71"	E77°59'1.88"	B	N30°58'44.59"	E77°58'58.61"	C	N30°58'42.95"	E77°58'55.46"	D	N30°58'42.47"	E77°58'53.10"	E	N30°58'41.59"	E77°58'49.35"	F	N30°58'40.67"	E77°58'46.94"	G	N30°58'38.71"	E77°58'47.58"	H	N30°58'40.03"	E77°58'50.94"	I	N30°58'41.14"	E77°58'54.49"	J	N30°58'43.33"	E77°58'57.66"	K	N30°58'44.93"	E77°59'2.17"
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9.	Green Belt area	30% (1.05 Ha.)
10.	Method of Mining	Open-cast manual method
11.	Mining shall be carried out from	1030.5 to 1033 amsl
12.	Height and Width of Benches	1.5 m×1.5m
13.	Slopes and ultimate face slope	45°
14.	River/Nallah(name)	Mining will be carried out in the bed of Tons River
15.	Topo sheet no	53 F /13
16.	Project cost	₹ 10 Lakhs
17.	Cost of CER is proposed as 2.0% of Project cost	₹ 20,000

The SEAC after due consideration of relevant documents submitted by the project proponent and additional clarification furnished in response to its observations have recommended the grant of Environmental Clearance for the project mentioned above subject to compliance with the EMP and other stipulated conditions. The EC has been accorded by MoEF&CC, New Delhi on 16<sup>th</sup> June, 2016 for 60 MW Naitwad Mori HE Project and it has been informed that out of two quarry sites located in Devta Range and Sandra Range only one site in Devta Range, Bhasala Compartment No. 1, 2 & 3 shall be exclusively used only for mining of aggregates for construction of 60 MW Naitwad Mori HE Project. The PP M/s SJVNL at Mori, District-Uttarkashi have requested EC for mining of R.B.M. in demarcated area of 1,7500 Ha out of 3.5 Ha in Devta Range, Bhasala Compartment No. 1, 2 & 3. The Authority agreed with the recommendations of SEAC and decided to grant the Environment Clearance subject to terms and conditions.

Accordingly the SEIAA hereby accords necessary Environmental Clearance for the project subject to the strict compliance of the specific and general conditions mentioned below:-

**1- 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 1<sup>st</sup> October of every year to 30<sup>th</sup> June of the subsequent year or onset of monsoon whichever is earlier. It shall be ensured that no mining activity is carried out during the monsoon season. Workers should be advised and protected against flash flood during 1<sup>st</sup> June to 30<sup>th</sup> June and 1<sup>st</sup> Oct to 31<sup>st</sup> Oct during which there may be rains in the hills.
- 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 mining work shall be exclusively manual. No mechanical work or drilling/blasting should be involved at any stage. Minor minerals shall be collected manually by using hand tools, and use of explosives and heavy machineries for breaking/collection of minor minerals are strictly prohibited. The use of J.C.B. for mining is strictly prohibited.
- 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.
- 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 eco friendly 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 1/10<sup>th</sup> of the width of the river whichever is more.
- 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) 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 both in soft copy to this Authority and regional office of MoEF&CC, Govt of India at Dehradun.
- 17) Link Road from mining site to main Road shall be maintained by the project-proponent.
- 18) The topsoil if any shall be stalked at earmarked site only. It shall be used for reclamation.
- 19) Mineral handling, loading and unloading areas including all the transfer points should have efficient dust control arrangements. These should be properly maintained & operated.
- 20) 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.
- 21) The project proponent shall plant 2000 trees in first 2 years in consultation with forest department followed by their 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.
- 22) Project proponent will strictly comply with EMP/EIA.
- 23) Project proponent will have to obtain work order/Consent to Establish or Operate from Mining Department (Lessor) and Pollution Control Board before starting work.

**2- 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 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.
- 5) 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.
- 6) 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.

- 7) 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 as *(Annexed)*.
- 8) If it is found that if conditions laid down by the Authority are violated, Authority may suspend or cancel this Environmental Clearance.

**3- 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 and Forest 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 obtain work order/Consent to Establish or Operate from Mining Department (Lessor) and Pollution Control Board before starting work.
- 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.
- 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.

(G.S. Pande)  
Member Secretary,  
SEIAA, Uttarakhand

No.- 47 01(73)/2019 dated- as above  
**Copy for information and necessary action to-**

- 1) Secretary, Ministry of Environment, Forests and Climate Change, Gol, Indira Paryavaran Bhawan, Aliganj, Jor Bagh Road, 3<sup>rd</sup> Floor, Vayu Wing, New Delhi.
- 2) Principal Secretary, Environment and Forests, Government of Uttarakhand, Dehradun.
- 3) APCCF, Regional office (Central) MoEFCC, 25 Subhash Road, Dehradun.
- 4) Principal Chief Conservator of Forests (Wildlife)/Chief Wild Life Warden, Dehradun.
- 5) District Magistrate, Uttarakashi.
- 6) Director, Industry, Geology and Mining Unit, Govt. of Uttarakhand, Bhopal pani, The unit shall comply the Specific Conditions and submit the report to SEIAA Uttarakhand
- 7) Divisional Forest Officer, Uttarakashi, *Tom Dinkim*
- 8) Member Secretary, UEPPCB, Dehradun.
- 9) Guard File.

(G.S. Pande)  
Member Secretary,  
SEIAA, Uttarakhand