



File No: EC-01(147)/2024

Government of India

Ministry of Environment, Forest and Climate

Change

(Issued by the State Environment Impact Assessment
Authority(SEIAA), UTTARAKHAND)



Dated 03/09/2024



To,

PANKAJ POKHRIYAL
PANKAJ POKHRIYAL

Village: Pokhri Tehsil Pratapnagar District:Tehri Garhwal State: Uttarakhand 249165, Pokhri, TEHRI
GARHWAL, UTTARAKHAND, 249165
deepakalknanda@gmail.com

Subject: Grant of EC under the provision of the EIA Notification 2006-regarding.

Sir/Madam,

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006-regarding in respect of project Proposed Sand, Bajri and Boulder mine in Alaknanda River khasra no. 299, 336, 594, Area- 1.19 ha. at Village:- Chamsil-1, Tehsil & District:- Rudraprayag, (Uttarakhand) by Shri Deepak Pokhriyal. submitted to Ministry vide proposal number SIA/UK/MIN/490729/2024 dated 01/08/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C0107UK5572212N
(ii) File No.	EC-01(147)/2024
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals Proposed Sand, Bajri and Boulder mine in Alaknanda River khasra no. 299, 336, 594, Area- 1.19 ha. at Village:- Chamsil-1, Tehsil & District:- Rudraprayag, (Uttarakhand) by Shri Deepak Pokhriyal.
(vii) Name of Project	PANKAJ POKHRIYAL
(viii) Name of Company/Organization	RUDRA PRAYAG, UTTARAKHAND
(ix) Location of Project (District, State)	SEIAA
(x) Issuing Authority	no
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A and B) were submitted to the Ministry for an appraisal by the State Environment Impact Assessment Authority(SEIAA) Appraisal Committee (SEIAA) in the Ministry under the provision of EIA notification 2006 and its subsequent amendments.
4. The above-mentioned proposal has been considered by State Environment Impact Assessment Authority(SEIAA) Appraisal Committee of SEIAA in the meeting held on 24/08/2024. The minutes of the meeting and all the Application and documents submitted [(viz. Form-1 Part A, Part B, Part C EIA, EMP)] are available on PARIVESH portal which can be accessed by scanning the QR Code above.
5. The brief about configuration of plant/equipment, products and byproducts and salient features of the project along with environment settings, as submitted by the Project proponent in Form-1 (Part A, B and C)/EIA & EMP Reports/presented during SEIAA are annexed to this EC as Annexure (1).
6. The SEIAA, in its meeting held on 24/08/2024, based on information & clarifications provided by the project proponent and after detailed deliberations recommended the proposal for grant of EC under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of specific and general conditions as detailed in Annexure (2).
7. The SEIAA has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the State Environment Impact Assessment Authority(SEIAA) Appraisal Committee hereby decided to grant EC for instant proposal of M/s. PANKAJ POKHRIYAL under the provisions of EIA Notification, 2006 and as amended thereof.
8. The Ministry reserves the right to stipulate additional conditions, if found necessary.
9. The EC to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. This issues with the approval of the Competent Authority.

Copy To

N/A

Annexure 1

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

S. No	EC Conditions
1.1	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

Additional EC Conditions

1- Conditions to be complied before commencing mining operations:-

- 1) Environment Clearance is granted to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court of Uttarakhand and any other court of law, if any, as may be applicable to this project.
- 2) **Project Proponent shall implement the Disaster Management Plan as the mine area is located in Seismic Zone IV. Project Proponent should submit the disaster plan within three months and form a committee to have check over any disaster to warn workers well before for the safety of workers. Emergency helpline number will be displayed at all levels.**
- 3) 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.

4) The project area should be demarcated with concrete pillars to show the natural bed level and the depth of mining allows Boundary Pillars at the interval of 50 m each on all four sides of the quarry site with red flag on each pillar and also on site pillars making the level and depth upto 1.5 mts downwards should be erected before Commencement of mining. A bench mark will be established to monitor the depth of mining.

5) A display board shall be erected in Hindi at each of the following place.

· At project site

· In nearest village

· At the entrance of the village road from the main Road (ie)SH/NH etc. The information should be given in bold and visible letters.

6) A copy of the Environmental Clearance letter shall be sent by the proponent to the concerned Panchyat and the local NGO, if any from whom suggestion/representation, if any, were received while processing the proposal.

7) **From 2nd Year onwards replenishment study shall be done by mining department Uttarakhand and the report will be submitted to State Environment Impact Assessment Authority, Dehradun (SEIAA) and Regional Office of Ministry of Environment and Forest, Government of India located at 25 Subhash Road, Dehradun by 15th October every year other wise this EC will be suspended.**

8) **The removal of mineral shall not exceed the amount calculated by replenishment study.**

2) **Conditions for operation phase**

6) **The Project Proponent shall follow Sustainable Sand Mining Management Guideline, 2016 & Enforcement and Monitoring Guideline for Sand Mining, 2020 and Uttarakhand GO 977 /VII-A-1-2023-24Kh/ 2007 date 16 June 2023.**

7) **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). No JCB or such machines shall be used for mining.**

8) **The project proponent shall construct 2 nos of toilets (1 male & 1 female) in nearby school with water tank and solar lights facility and shall maintain the same on regular basis.**

9) **Main stream will not be a disturbed.**

10) **The minor mineral collection shall be carried out manually from 50 % of the total area leaving 25 % area on each side of the riverbank. The Quantity of mineral shall not exceed as permitted in the approved DSR/Mining Plan (Whichever is less) as recommended by SEAC. However, district mining officer is directed to ensure that the quantity of material extracted should be in commensurate with the area allowed for mining.**

11) **Maximum permissible depth in the center of the mining area will be 3.0 meter.**

12) **The project Proponent shall ensure that where ever deployment of labor attracts mines act, the provision thereof shall be strictly followed.**

13) **The quantity of mineral to be extracted should be fixed sustainably based on replenishment study & shall be submitted to SEIAA for approval before 15th Oct every year.**

14) **Mining of minerals during submergence period shall not be allowed.**

15) **The quantity of mineral to be extracted should be fixed sustainably based on replenishment study shall be done within 2nd 3rd 4th and 5th year and shall be submitted to SEIAA for approval.**

16) **The mining operation would provide local employment and bring economic benefit to local population.**

17) **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.**

18) **The proponent should undertake afforestation activities in the buffer zone as well as in the nearby project site. Minimum 3000 plants in 3.0 Ha. will be planted in first two years followed by maintenance in the next three years. In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**

19) **Project Proponent shall provide Rs3.0 lakh for modernizing Chemistry/Biology Lab of nearby Govt. Inter College and submit documentary evidence to SEIAA along with six monthly compliance report.**

20) **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.**

21) **Project Proponent shall inform to SEIAA in case of change of evacuation plan.**

22) **The Project Proponent shall inform to SEIAA before mining regarding the availability of deposits/submerged area of the river bed from mining department and shall obtain approval from SEIAA every year.**

23) **The extraction of Sand/Bajri/Boulder(River Bed Material) shall be stopped during monsoon season.**

- 24) The quantity of mineral to be extracted should be fixed sustainably based on replenishment study.
- 25) 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.
- 26) It shall be ensured that there is no leakage of oil and grease in the river from the vehicles use for the transportation.
- 27) Vehicular emission shall be kept under control and regularly monitored. The vehicles carrying minerals shall not be over loaded.
- 28) Periodical medical examination of the workers engaged in the project shall be carried out and records are to be maintained.
- 29) Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- 30) 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.
- 31) 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.
- 32) 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.
- 33) 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.
- 34) 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
- 35) 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
- 36) 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
- 37) 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.
- 38) At no stage mining shall be carried out after exhausting extraction of the estimated mineable quantity as stated above.
- 39) The mining operation would provide local employment and bring economic benefits to local population.
- 40) 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.
- 41) Wild Animals being sensitive to noise, no project activities shall be carried out at night (sunset to sunrise) time.
- 42) All workers shall be imparted basic knowledge regarding the Do's and Don'ts of working within Forest Areas.
- 43) Photography of the proposed mining site (preferably using Drone) should be done and submitted to SEIAA along with half-yearly compliance report.
- 44) 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.
- 45) 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 **3.0** meter or up to ground water level whichever is less.
- 46) 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.**
- 47) 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.
- 48) The collection time of river bed materials (RBM) shall be from sun-rise to sun-set.
- 49) 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.
- 50) 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.

51) 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.

52) 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.

53) 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.

54) 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.

55) 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.

56) 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.

57) Link Road from mining site to main Road shall be maintained by the project-proponent.

58) The topsoil if any shall be stacked at earmarked site only and shall be used for reclamation.

59) Mineral handling, loading and unloading areas including all the transfer points should have efficient dust control arrangements. These should be properly maintained & operated.

60) 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.

61) Project proponent will strictly comply with provisions of EMP

62) 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.

63) Regular water sprinkling shall be done on the Haul Road.

64) 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

65) 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

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.
- 11) 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.
- 12) The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- 13) Any appeal against this Environment Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section of the National Green Tribunal Act, 2010.
- 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 before the start of work.
- 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

Annexure 2

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
Sand, Bajri and Boulder (RBM)	Sand, Bajri and Boulder (RBM)	42840	Tons per Annum (TPA)	Road	-

राज्य स्तर पर्यावरण समाघात निर्धारण प्राधिकरण, उत्तराखण्ड, "गौरादेवी पर्यावरण भवन, तृतीय तल, 46-बी, आई.टी. पार्क, सहास्रधारा रोड, देहरादून"
(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार, नई दिल्ली द्वारा गठित)

दूरभाष: 0135-2976159

ईमेल: seiaa.seac.uk@gmail.com



सत्यमेव जयते
STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY UTTARAKHAND

State Level Environment Impact Assessment Authority, "Gauradevi Paryavaran Bhawan, Third Floor, 46-B I.T. Park, Sahasradhara Road, Dehradun"

(Constituted by Ministry of Environment, Forests and Climate Change Government of India.)

Phone No-0135-2976159

Email- seiaa.seac.uk@gmail.com

E.C.No-269 01(147)/2024

Dated- 2-09-2024

To,

Shri Deepak Pokhriyal, S/o Shri Dheerpal Singh,
R/o Village- Pokhri, Tehsil- Pratapnagar, District- Tehri Garhwal.

Sub: Environmental Clearance under EIA notification dated 14.09.2006 for Extraction of Sand/Bajri/Boulder at Khasra No. 299, 336 & 594 Village- Chamsil- 1, Tehsil & District- Rudraprayag. (Area- 1.190 ha.).

Sir,

Kindly take reference to your online proposal No SIA/UK/MIN/490729/2024 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.	Parameters	Description								
1.	Name of the Project Proponent	Shri Deepak Pokhriyal								
2.	Registered Address	Village- Pokhri, Tehsil- Pratapnagar, District- Tehri Garhwal, Uttarkhand.								
3.	Full correspondence address of proponent and mobile no.	Village- Pokhri, Tehsil- Pratapnagar, District- Tehri Garhwal, Uttarkhand.								
4.	Name of Project	Proposed sand, bajri & boulder (Area-1.190 ha.) at Village- Chamsil-I, Tehsil & Distt.- Rudraprayag, (Uttarakhand) by Shri Deepak Pokhriyal.								
5.	Project Location (Plot.Khasra/Gata No.)	In Alaknanda River, khasra Nos. 299, 336, & 594 Village- Chamsil-I, Tehsil & Distt.- Rudraprayag, (Uttarakhand) by Shri Deepak Pokhriyal.								
6.	Name of Village	Chamsil-I								
7.	Tehsil	Rudraprayag								
8.	District	Rudraprayag								
9.	State	Uttarakhand								
10.	Name of Minor Mineral	Sand, bajri & boulder (RBM)								
11.	Sanctioned Lease Area (in Ha.)	1.190								
12.	Max. & Min. mRL within the lease area	Max: 730m RL Min: 724m RL								
13.	Pillar Coordinates (Verified by DMO)	Latitude: 30°17'36.92"N to 30°17'41.09"N Longitude: 79°09'29.26"E to 79°09'38.76"E								
14.	Letter of Intent	The LOI vide letter no. 4697/खनन/भूखनि0नि0 /ई0नीला0-47 / 2023-24 dated 08-12-2023 was issued for mine lease period of 5 years.								
15.	Mine Plan approval details	The present mining plan is approved vide letter No. 6350/2023-24 dated 23-02-2024								
16.	Validity of Mine Plan	5 years period								
17.	Total geological reserves	85,680 Tonnes								
18.	Total Proposed Production (In 5 Years)	<table border="1"> <tr> <td>First year</td> <td>42,840 Tonne</td> </tr> <tr> <td>Second year</td> <td>42,840 Tonne</td> </tr> <tr> <td>Third year</td> <td>42,840 Tonne</td> </tr> <tr> <td>Fourth year</td> <td>42,840 Tonne</td> </tr> </table>	First year	42,840 Tonne	Second year	42,840 Tonne	Third year	42,840 Tonne	Fourth year	42,840 Tonne
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Third year	42,840 Tonne									
Fourth year	42,840 Tonne									

		Fifth year	42,840 Tonne
19.	Sanctioned Period of Mine lease	5 years	
20.	Method of Mining	Open cast, manual mining	
21.	No. of working days	245	
22.	Working hours/day	8	
23.	Nos. of workers	24	
24.	Type of Land	Govt. land	
25.	Ultimate Depth of Mining	3.0m	
26.	Water Requirement	5 KLD	
27.	Any litigation pending against the project or land in any court	No	
28.	Ecological Sensitive Map/zone	Seismic Zone-V	
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Cluster Certificate enclosed	
30.	Proposed CER cost	Rs. 8,25,000	
31.	Proposed EMP cost	Rs. 7,25,000	
32.	No. of Trees to be Planted.	2750	
33.	Detail of CTE/CTO issued by UPPCB	Not applicable	
34.	Project cost	48 Lac	

The SEAC during its meeting held on 14th August, 2024 had undertaken appraisal of the above project. It has been found that the proposal is classified under Category B2 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 like ***"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 Quantity of mineral shall not exceed as permitted in the approved DSR/Mining Plan (Whichever is less)"***. SEIAA during its meeting dated 24th August, 2024 considered the above proposal based on the recommendation of SEAC and agreed with the condition mentioned above by SEAC. After due examination and deliberation, the **SEIAA Uttarakhand hereby accords Environmental Clearance** for the above project under category B-2 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- Conditions to be complied before commencing mining operations:-

- 1) Environment Clearance is granted to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court of Uttarakhand and any other court of law, if any, as may be applicable to this project.
- 2) **Project Proponent shall implement the Disaster Management Plan as the mine area is located in Seismic Zone IV. Project Proponent should submit the disaster plan within three months and form a committee to have check over any disaster to warn workers well before for the safety of workers. Emergency helpline number will be displayed at all levels.**
- 3) 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.
- 4) The project area should be demarcated with concrete pillars to show the natural bed level and the depth of mining allows Boundary Pillars at the interval of 50 m each on all four sides of the quarry site with red flag on each pillar and also on site pillars making the level and depth upto 1.5 mts downwards should be erected before Commencement of mining. A bench mark will be established to monitor the depth of mining.
- 5) A display board shall be erected in Hindi at each of the following place.
 - At project site
 - In nearest village
 - At the entrance of the village road from the main Road (ie)SH/NH etc. The information should be given in bold and visible letters.
- 6) A copy of the Environmental Clearance letter shall be sent by the proponent to the concerned Panchyat and the local NGO, if any from whom suggestion/representation, if any, were received while processing the proposal.

- 7) From 2nd Year onwards replenishment study shall be done by mining department Uttarakhand and the report will be submitted to State Environment Impact Assessment Authority, Dehradun (SEIAA) and Regional Office of Ministry of Environment and Forest, Government of India located at 25 Subhash Road, Dehradun by 15th October every year other wise this EC will be suspended.
- 8) The removal of mineral shall not exceed the amount calculated by replenishment study.
- 2) **Conditions for operation phase**
- 1) The mining will start from lower height to upper height.
 - 2) **The Project Proponent shall do plantation of saplings in the earmarked 33% green belt area as a part of the tree plantation campaign "Ek Ped Ma Ke Naam" and the details of the same shall be uploaded in the MeriLiFE Portal(<https://merilife.nic.in>).**
 - 3) The mining shall be done only during day time.
 - 4) The SEIAA further directed that mining/extraction/hand picking of minor mineral shall be carried out as per the approved mine plan.
 - 5) The SEIAA 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.
 - 6) **The Project Proponent shall follow Sustainable Sand Mining Management Guideline, 2016 & Enforcement and Monitoring Guideline for Sand Mining, 2020 and Uttarakhand GO 977 /VII-A-1-2023-24Kh/ 2007 date 16 June 2023.**
 - 7) **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). No JCB or such machines shall be used for mining.**
 - 8) The project proponent shall construct 2 nos of toilets (1 male & 1 female) in nearby school with water tank and solar lights facility and shall maintain the same on regular basis.
 - 9) **Main stream will not be a disturbed.**
 - 10) **The minor mineral collection shall be carried out manually from 50 % of the total area leaving 25 % area on each side of the riverbank. The Quantity of mineral shall not exceed as permitted in the approved DSR/Mining Plan (Whichever is less) as recommended by SEAC. However, district mining officer is directed to ensure that the quantity of material extracted should be in commensurate with the area allowed for mining.**
 - 11) Maximum permissible depth in the center of the mining area will be 3.0 meter.
 - 12) The project Proponent shall ensure that where ever deployment of labor attracts mines act, the provision thereof shall be strictly followed.
 - 13) **The quantity of mineral to be extracted should be fixed sustainably based on replenishment study & shall be submitted to SEIAA for approval before 15th Oct every year.**
 - 14) **Mining of minerals during submergence period shall not be allowed.**
 - 15) **The quantity of mineral to be extracted should be fixed sustainably based on replenishment study shall be done within 2nd 3rd 4th and 5th year and shall be submitted to SEIAA for approval.**
 - 16) The mining operation would provide local employment and bring economic benefit to local population.
 - 17) 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.
 - 18) **The proponent should undertake afforestation activities in the buffer zone as well as in the nearby project site. Minimum 3000 plants in 3.0 Ha. will be planted in first two years followed by maintenance in the next three years. In case of Plantation outside of the buffer zone/project site MoU with local Gram Panchayat/Van Panchayat should be done.**
 - 19) **Project Proponent shall provide Rs3.0 lakh for modernizing Chemistry/Biology Lab of nearby Govt. Inter College and submit documentary evidence to SEIAA along with six monthly compliance report.**
 - 20) **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.**
 - 21) **Project Proponent shall inform to SEIAA in case of change of evacuation plan.**
 - 22) **The Project Proponent shall inform to SEIAA before mining regarding the availability of deposits/submerged area of the river bed from mining department and shall obtain approval from SEIAA every year.**
 - 23) **The extraction of Sand/Bajri/Boulder(River Bed Material) shall be stopped during monsoon season.**
 - 24) The quantity of mineral to be extracted should be fixed sustainably based on replenishment study.
 - 25) 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.

- 26) It shall be ensured that there is no leakage of oil and grease in the river from the vehicles use for the transportation.
- 27) Vehicular emission shall be kept under control and regularly monitored. The vehicles carrying minerals shall not be over loaded.
- 28) Periodical medical examination of the workers engaged in the project shall be carried out and records are to be maintained.
- 29) Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- 30) 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.
- 31) 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.
- 32) 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.
- 33) 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.
- 34) 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
- 35) 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
- 36) 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
- 37) 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.
- 38) At no stage mining shall be carried out after exhausting extraction of the estimated mineable quantity as stated above.
- 39) The mining operation would provide local employment and bring economic benefits to local population.
- 40) 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.
- 41) Wild Animals being sensitive to noise, no project activities shall be carried out at night (sunset to sunrise) time.
- 42) All workers shall be imparted basic knowledge regarding the Do's and Don'ts of working within Forest Areas.
- 43) Photography of the proposed mining site (preferably using Drone) should be done and submitted to SEIAA along with half-yearly compliance report.
- 44) 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.
- 45) 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 3.0 meter or up to ground water level whichever is less.
- 46) 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.**
- 47) 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.
- 48) The collection time of river bed materials (RBM) shall be from sun-rise to sun-set.
- 49) 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.

- 50) 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.
 - 51) 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.
 - 52) 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.
 - 53) 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.
 - 54) 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.
 - 55) 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.
 - 56) 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.
 - 57) Link Road from mining site to main Road shall be maintained by the project-proponent.
 - 58) The topsoil if any shall be stacked at earmarked site only and shall be used for reclamation.
 - 59) Mineral handling, loading and unloading areas including all the transfer points should have efficient dust control arrangements. These should be properly maintained & operated.
 - 60) 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.
 - 61) Project proponent will strictly comply with provisions of EMP
 - 62) 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.
 - 63) Regular water sprinkling shall be done on the Haul Road.**
 - 64) 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
 - 65) 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
- 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.
- 11) 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.
- 12) The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.
- 13) Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section of the National Green Tribunal Act, 2010.

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 before the start of work.
- 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

Your's Faithfully

(Dr. S.P. Subudhi)
Member Secretary,
SEIAA, Uttarakhand

No - 269 01(147)/2024 dated- as above

Copy to-

1. APCCF, Regional office (Central) MoEFCC Govt of India, 25 Subhash Road, Dehradun for information and necessary action.
2. Principal Chief Secretary, Forests & Environment, Government of Uttarakhand, Dehradun for information.
3. Director Industries, Geology & Mining Unit Govt of Uttarakhand Dehradun for information and necessary action.
4. District Magistrate, Rudraprayag for information and necessary action.
5. Member Secretary, UKPCB, IT Park Dehradun for information and necessary action.
6. DFO, Rudraprayag.
7. Guard File for uploading in Parivesh Website.

(Dr. S.P. Subudhi)
Member Secretary,
SEIAA, Uttarakhand