



सत्यमेव जयते

File No: OL/EC/MIN/MAHASAMUND/3100  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Issued by the State Environment Impact Assessment Authority(SEIAA),  
CHHATTISGARH)

\*\*\*



Dated 07/08/2024



To,

ROHIT SAHU  
ROHIT SAHU  
NIWASI- WARD NO. 3, H/N- 46 BANIYA TOLI JASHPUR, Baldidih, MAHASAMUND,  
CHHATTISGARH, 496331  
rohit.envi1111@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 Baldidih Sand Quarry for mining sand of capacity (60 percent of the total mine lease area) - 22,560 cubic meters per year up to the depth of one meter Kharsa No. 628, area - 5 Ha, Village - Baldidih Tehsil - Pithora District - Mahasamund, Chhattisgarh Project Proponent Rohit Sahu submitted to Ministry vide proposal number SIA/CG/MIN/460163/2024 dated 31/01/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C0107CG5662310N
(ii) File No.	OL/EC/MIN/MAHASAMUND/3100
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vii) Name of Project	Baldidih Sand Quarry, Area -5.0 ha, Project Proponent Rohit Sahu
(viii) Name of Company/Organization	ROHIT SAHU
(ix) Location of Project (District, State)	MAHASAMUND, CHHATTISGARH
(x) Issuing Authority	SEIAA
(xii) Applicability of General Conditions	yes
(xiii) Applicability of Specific Conditions	yes

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 28/06/2024. 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 28/06/2024, 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. ROHIT SAHU 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**

<b>S.No.</b>	<b>Address</b>
<b>1</b>	Director, Ministry of Environment, Forest and Climate Change, Prithvi Wing, 2nd Floor, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi - 100003
<b>2</b>	Integrated Regional Office RAIPUR, MoEF&CC , Govt. of India , Ground Floor, Aranya Bhawan, North Block, Sector- 19,Naya Raipur, Atal Nagar, Chhattisgarh – 492002
<b>3</b>	Director, Directorate of Geology and Mining, Chhattisgarh, Indravati Bhavan, Block-4, Second Floor, Nawa Raipur Atal Nagar, Chhattisgarh India
<b>4</b>	Member Secretary, Chhattisgarh Environment Protection Board, Paryavas Bhawan, Sector-19, Nava Raipur Atal Nagar, District-Raipur (Chhattisgarh)
<b>5</b>	Member Secretary, Central Ground Water Board, West Block-2, Wing-3, Ground Floor, Sector-1, R.K. Puram, New Delhi - 110066
<b>6</b>	Forwarded to the Collector, Office of the Collector, MAHASAMUND, District-MAHASAMUND(CG) for information and necessary action.
<b>7</b>	Forwarded to Regional Officer, Regional Office, Chhattisgarh Environment Protection Board, Raipur for information and necessary action.

#### **Annexure 1**

#### **Specific EC Conditions for (Mining Of Minerals)**

#### **1. Additional Condition**

S. No	EC Conditions																												
1.1	<ol style="list-style-type: none"> <li>1. No River sand mining be allowed in rainy season.</li> <li>2. Ultimate working depth shall be up to 1 m from Riverbed level and not less than one meter from the water level of the River channel whichever is reached earlier.</li> <li>3. To maintain safety and stability of Riverbanks i.e. 7.5 meter or 10% of the width of the River whichever is more will be left intact as "No Mining Zone" (NMZ).</li> <li>4. There should be regular monitoring of the mining activities in the State to ensure effective compliance of stipulated EC conditions and the provisions under the Minor Mineral Concessions Rules framed by the State Government.</li> <li>5. Manual mining method shall be done, and no heavy machinery (like JCB, Bulldozer, Pokland, chain mounted machine, Hywa, etc) shall be deployed in the river bed. Light machinery like tractor, trolley will be deployed in the river bed for sand filling.</li> <li>6. Mining shall be done in 60 percent of the total lease area. Mining shall not be done during monsoon period.</li> <li>7. Sand mining operation shall be carried out between sunrise to sunset.</li> <li>8. The pollution load due to transportation on the environment shall be effectively controlled and water sprinkling shall also be done regularly.</li> <li>9. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded.</li> <li>10. Protection of turtle, bird and other water animals habitats shall be ensured.</li> <li>11. Project proponent shall ensure to follow all the guidelines given in Sustainable Sand Mining Management Guidelines, 2016 and Enforcement &amp; Monitoring Guidelines for Sand Mining, 2020.</li> <li>12. Replenishment study needs to be carried out from the authorized institute to keep a balance between deposition and extraction.</li> <li>13. R.L. survey (25x25 grid) shall be done in every pre-monsoon and post-monsoon season and shall be certified by the mining department. RL survey report of pre-monsoon and post-monsoon season shall be submitted regularly to SEIAA/SEAC, C.G.. The depth of the sand mining shall be decided on the basis of R.L. survey report in subsequent year.</li> <li>14. Project proponent shall submit Completion certificate of proposed plantation under CER activities, river bank plantation along with Geotag photographs in six monthly compliance report.</li> </ol>																												
1.2	<table border="1" data-bbox="379 1368 1471 1738"> <thead> <tr> <th colspan="4">CER Details (Corporate Environmental Responsibility)</th> </tr> <tr> <th>Capital Investment (in Lakh Rupees)</th> <th>Percentage of Capital Investment to be Spent</th> <th>(in Lakh Rupees)</th> <th>(in Lakh Rupees)</th> </tr> <tr> <th></th> <th></th> <th>Particulars</th> <th></th> </tr> </thead> <tbody> <tr> <td>15</td> <td>2%</td> <td>0.30</td> <td>Following activities Nearby at Village- Baldidih</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Plantation around village pond</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Total</td> </tr> <tr> <td></td> <td></td> <td></td> <td>8.8755</td> </tr> </tbody> </table> <p>Plantation shall be done under the provisions of Corporate Environment Responsibility. Plantation shall be developed at Village pond Baldidih in which a total 150 nos of trees (Mango, Blackberry &amp; Jackfruit) will be planted amount for plants in first year will be Rs. 2,54,250 (Plantation cost - Rs. 7,500, fencing cost - Rs. 60,000, fertilizer cost - Rs. 750, irrigation and maintenance etc. Rs. 1,86,000). Remaining amount Rs. 6,33,300 will be spent in next 4 years. Gram Panchayat Baldidih had given NOC to the project proponent for the Plantation under Corporate Environment Responsibility.</p> <p>Project Proponent shall inform a tripartite committee (mine owner, Representative of District</p>	CER Details (Corporate Environmental Responsibility)				Capital Investment (in Lakh Rupees)	Percentage of Capital Investment to be Spent	(in Lakh Rupees)	(in Lakh Rupees)			Particulars		15	2%	0.30	Following activities Nearby at Village- Baldidih				Plantation around village pond				Total				8.8755
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S. No	EC Conditions
	administration/CECB Member of Gram Panchayat) which will be monitor the compliance of green belt within the premises, river bank plantation and Corporate Environmental Responsibility activities.

**Standard EC Conditions for (Mining of minerals)**

**1. Statutory Compliance**

S. No	EC Conditions
1.1	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project
1.2	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
1.3	The project proponent shall prepare a Site-Specific Conservation Plan. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
1.4	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
1.5	The project proponent shall obtain the necessary permission from the Central Ground Water Authority
1.6	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.
1.7	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.8	Validity of Environmental Clearance is 05 years.

**2. Air Quality Monitoring And Mitigation Measure**

S. No	EC Conditions
2.1	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO <sub>2</sub> and NO <sub>x</sub> . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB
2.2	Transportation of sand, through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed that the impact of sound

S. No	EC Conditions
	dust and accidents could be appropriately mitigated.
2.3	Major approach roads shall be properly maintained.
2.4	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.
2.5	Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuous AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.

### 3. Water Quality Monitoring And Mitigation Measures

S. No	EC Conditions
3.1	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area.
3.2	Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.
3.3	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.

### 4. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
4.1	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.
4.2	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.

### 5. Mining Plan

S. No	EC Conditions
5.1	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
5.2	No change in mining method i.e. UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).
5.3	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to sand mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
5.4	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.

#### 6. Public Hearing And Human Health Issues

S. No	EC Conditions
6.1	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.
6.2	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.
6.3	PP to conduct need based assessment survey of the area to for in order to decide the activities to be carried under the CSR and to provide detail of the activity carried out with adequate budgetary provision and time bound action plan.
6.4	PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions in defined populations).

#### 7. Miscellaneous

S. No	EC Conditions
7.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
7.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
7.3	The project proponent shall upload the status of compliance of the stipulated environment clearance

S. No	EC Conditions
	conditions, including results of monitored data on their website and update the same on half-yearly basis.
7.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
7.5	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
7.6	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
7.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
7.8	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
7.9	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).
7.10	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
7.11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
7.12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
7.13	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
7.14	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
7.15	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.
7.16	Compensation of the land acquired for the project shall be settled as per the R&R Policy. Adequate

S. No	EC Conditions
	facility of drinking water, plantation and other social amenities should be provided to established R&R villages.
7.17	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.
7.18	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours

**Additional EC Conditions**

N/A

