



सत्यमेव जयते

File No: OL/EC/MIN/BILASPUR/2861

Government of India

Ministry of Environment, Forest and Climate Change

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



Dated 09/12/2024



To,

KARTIK PATEL
KARTIK PATEL

Kartik Ram Patel, S/o- Sukh Charan Lal, Gram- Itawa, Post- Koni, Tehsil- Masturi, BILASPUR,
CHHATTISGARH, 495551
ec.kartik23@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 environmental clearance for mining of Earth Clay capacity – 1,711.6 cum per year, Kharsa No. 13/1 & 13/10, area – 1.234 Ha. at Village - Itawa, Tehsil - Masturi, District - Bilaspur, (C.G.) under the provision of the EIA Notification 2006-regarding in respect of project Kartik Ram Patel submitted to Ministry vide proposal number SIA/CG/MIN/454128/2023 dated 10/05/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23C0108CG5144969N
(ii) File No.	OL/EC/MIN/BILASPUR/2861
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vii) Name of Project	Kartik Ram Patel
(viii) Name of Company/Organization	KARTIK PATEL
(ix) Location of Project (District, State)	BILASPUR, CHHATTISGARH
(x) Issuing Authority	SEIAA
(xii) Applicability of General Conditions	no
(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 19/11/2024. 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 19/11/2024, 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. KARTIK PATEL 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 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 obtain clearance from the National Board for Wildlife, if applicable.
1.4	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. 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).
1.5	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air

S. No	EC Conditions																								
	(Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.																								
1.6	The project proponent shall obtain the necessary permission from the Central Ground Water Authority																								
1.7	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.																								
1.8	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.																								
1.9	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.																								
1.10	Validity of EC is as per life of the mine mentioned in EC letter or 30 years as per EIA Notification, 2006 and its amendments therein																								
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1.12	<p data-bbox="336 1559 596 1588">Additional Conditions:</p> <ol data-bbox="336 1592 1473 2056" style="list-style-type: none"> 1. Dense plantation of trees (Total 236 nos) around the 1 meter mine lease area (area restricted for excavation) and ensuring a 90 percent survival rate of the planted plants. 2. Regular water sprinkling arrangements in the mine lease area and also in haul road to control the fugitive dust emissions. 3. Employment provided to the local people under the Chhattisgarh Model Rehabilitation Policy. 4. Project proponent shall ensure that any kind of contaminated water (if generated) shall not flow into the natural water source, pond, river, drain under any circumstances. 5. There should be regular monitoring of the mining activities in the State to ensure effective compliance of stipulated EC conditions and of the provisions under the Minor Mineral Concessions Rules framed by the State Government. 6. Project proponent shall ensure that mining operation shall be carried out in day time. 7. The pollution load due to transportation on the environment shall be effectively controlled and water sprinkling shall also be done regularly. 																								

S. No	EC Conditions
	<p>8. Project proponent shall ensure that the construction of boundary pillars as per Mineral Concession Rules,1960 (as amended).</p> <p>9. Transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded.</p> <p>10. Project proponent shall submit Completion certificate of proposed plantation under CER activities, 1 meter safety barrier plantation along with Geotag photographs in six monthly compliance report.</p> <p>11. Project proponent shall ensure that no excavation is carried out in the non-mining area.</p> <p>12. Project proponent shall not do any mining or related activities outside the lease area.</p> <p>13. Project proponent shall not cut any Green Trees of lease area without the permission of District Collector.</p> <p>14. Project proponent shall install and operate a zig-zag kilns as per the MoEF&CC notification dated 22.02.2022.</p> <p>15. Tin shed will be used for proper storage of fly ash used in brick manufacturing. Water sprinkling arrangements will be provided in the storage area to control the fugitive dust emission.</p> <p>16. Generated broken bricks will be utilized in haul road, kiln maintenance etc.</p>
1.13	<p>The project proponent shall form a tripartite committee (Mine owner, Representative of District administration / CECB and Member of Gram panchayat) which will monitor the compliance of Green Belt within the premises, plantation and Corporate Environmental Responsibility activities.</p>

2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions
2.1	<p>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, SO₂ and NO_x. 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</p>
2.2	<p>Transportation of Clay/ bricks, to the extent if permitted by road, shall be carried out by covered trucks. Effective control measures such as regular water sprinkling, shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.</p>
2.3	<p>Major approach roads shall be properly maintained.</p>
2.4	<p>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.</p>
2.5	<p>Adequate number of water sprinkler shall be installed to reduce the impact of air pollution at dust generating sources with time bound action plan.</p>

3. Water Quality Monitoring And Mitigation Measures

S. No	EC Conditions
3.1	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-IA.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
3.2	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.
3.3	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff
3.4	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/GoI Authority.

4. Mining Plan

S. No	EC Conditions
4.1	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
4.2	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.
4.3	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.

5. Land Recalvation

S. No	EC Conditions
5.1	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).
5.2	Regular monitoring of subsidence movement on the surface over and around the working areas and

S. No	EC Conditions
	its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials.
5.3	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.
5.4	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.
5.5	Native tree species shall be selected and planted over areas affected by subsidence.
5.6	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.

6. Public Hearing And Human Health Issues

S. No	EC Conditions
6.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.
6.2	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
6.3	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.
6.4	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'.
6.5	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.
6.6	PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions in defined populations).
6.7	PP must ensure an emergency action plan during pandemic in order to provide assistance to the nearby villages located within the 10 km radius buffer zone (If required)
6.8	PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius

7. Corporate Environment Responsibility

S. No	EC Conditions
7.1	The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental forest/wildlife norms/conditions.
7.2	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
7.3	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
7.4	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

8. Miscellaneous

S. No	EC Conditions
8.1	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.
8.2	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.
8.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
8.4	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.
8.5	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.
8.6	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
8.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control

S. No	EC Conditions
	Board and the State Government.
8.8	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).
8.9	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.
8.10	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
8.11	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
8.12	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.
8.13	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.
8.14	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