



सत्यमेव जयते

File No: OL/EC/MIN/BILASPUR/2774
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA),
CHHATTISGARH)



Dated 23/10/2024



To,

AMARDEO BHAGAT
AMARDEO BHAGAT
Amardeo Singh Bhagat, S/o Niranjan singh Bhagat Ward No -3, H.No.15 27 Kholi Chowk New Bhagat Bricks (M.Corp), Bilaspur, BILASPUR, CHHATTISGARH, 495001
amardeosinghbhagat@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 BRICK EARTH QUARRY & BRICK KILN grant environmental clearance for mining of Soil capacity – 3407.2 m³ /year, Kharsa No. 386/1, 386/2, 402 (part), 403, 404/1, 404/2, 410, area - 1.75 Ha. at Village – Bindhyasar, Tehsil – Takhatpur, District – Bilaspur (C.G.) submitted to Ministry vide proposal number SIA/CG/MIN/452762/2023 dated 14/02/2024.

2. The particulars of the proposal are as below :

| | |
|---|---------------------------------|
| (i) EC Identification No. | EC23C0108CG5281286N |
| (ii) File No. | OL/EC/MIN/BILASPUR/2774 |
| (iii) Clearance Type | EC |
| (iv) Category | B2 |
| (v) Project/Activity Included Schedule No. | 1(a) Mining of minerals |
| (vii) Name of Project | BRICK EARTH QUARRY & BRICK KILN |
| (viii) Name of Company/Organization | AMARDEO BHAGAT |
| (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 23/07/2024. 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 23/07/2024, 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. AMARDEO BHAGAT 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

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

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Additional Conditions

| S. No | EC Conditions |
|-------|--|
| 1.1 | <ol style="list-style-type: none"> 1. If the mine is in a cluster notified by the Mining Department, the environmental clearance will not be valid. 2. Project proponent shall ensure that no brick kiln shall be installed under any circumstances within the mine lease area. Project proponent shall obtained prior permission from the SEIAA for installation of brick kiln. 3. The excavation area will not exceed 1.75 hectares. Similarly, the maximum soil excavation (minor mineral) capacity from the mine will not exceed 3,407.2 cubic meters per year. The boundaries of the lease area should be demarcated and concrete pillars should be erected. 4. Project proponent shall ensure plantation (as far as possible tree bearing species) within the mining lease area and shall maintain minimum 90% survival rate. The plantation shall be maintained by project proponent for atleast 5 years. Project proponent shall submit half yearly reports regarding compliance to the Authority. The details to be submitted alongwith Geotag photographs. 5. Project proponent shall submit KML file after completion of plantation. 6. The validity of environmental clearance will be subject to the provisions of the EIA Notification, 2006 (as amended) issued by the Ministry of Environment, Forest and Climate Change, Government of India. 7. As per the OM dated 24/06/2013 issued by the Ministry of Environment, Forest and Climate Change, Government of India, the perimeter of the excavation area should be ensured by leaving a distance of at least 15 meters from any civil structure. The guidelines prescribed for soil excavation in the OM dated 24/06/2013 issued by the Ministry of Environment, Forest and Climate Change, Government of India and the notification dated 22/02/2022 should be followed. 8. The maximum depth of excavation shall not exceed 2 meters. The excavation process shall be carried out in the unsaturated zone above the ground water level and the excavation process shall not be carried out below the ground water level under any circumstances. 9. Proper and adequate arrangements should be made for the treatment of water generated from the mine and domestic polluted water (if any). Any type of polluted water generated from industrial process and mine should not be discharged into any river or surface water sources under any circumstances; rather it should be reused in the process or for plantation. Septic tanks and soak pits should be arranged for the treatment of domestic polluted water and it should not be discharged into any river or surface water sources under any circumstances. Arrangements should also be made to prevent the mixing of polluted water and rainwater. The quality of treated polluted water should be ensured as per the standards notified by the Ministry of Environment, Forest and Climate Change, Government of India or the standards notified by the Chhattisgarh Environment Conservation Board (whichever is stricter). 10. Permission for use of ground water should be obtained from Central Ground Water Board before starting excavation. (if required) 11. Fugitive dust emission generated from various sources of mineral excavation should be controlled effectively and regularly. Arrangement of water sprinkling should be made on access roads, ramps, storage areas, filling and other dust emission points and its continuous operation/maintenance should be ensured. 12. Pet coke/tyres/plastic/hazardous wastes should not be used in raw brick manufacturing under any circumstances. |

| S. No | EC Conditions | | | | | | | | | | | | |
|-------|--|--|---|---|---|---|--|--|--|--|--|--|--|
| | <p>13. Air pollution generated from vehicles and other process shall be maintained within the standards specified under the Environment Protection Act, 1986 and the Air (Prevention and Control of Pollution) Act, 1981 (whichever is stringent). The ambient air quality in the excavation area shall not exceed the standards notified by the Ministry of Environment, Forest and Climate Change, Government of India.</p> <p>14. The ash produced from thermal power plants should be used in the manufacture of raw bricks as per the provisions of the notification issued by the Ministry of Environment, Forest and Climate Change, Government of India for the use of fly ash. Brick pieces etc. produced as solid waste should be used for landfill and road maintenance.</p> <p>15. To prevent fly ash from flying, water should be sprinkled from time to time. Also, it should be ensured that the fly ash does not fly and spread in the surrounding areas and pollute the environment, so that the nearby residents are not adversely affected.</p> <p>16. If the top soil removed during excavation is not suitable for brick manufacturing, it should be used for reclamation of the land not used for excavation or for stabilizing the external overburden. Where it is not possible to use the top soil concurrently with the mining process, it should be stored separately and kept for future use.</p> <p>17. Overburden and unused soil should be properly secured so that the stored material does not have an adverse effect on the surrounding land and the original use of the land or the desired alternative use can be ensured for back filling in the pits created after mining. The height of the stored dump should not be more than 03 meters and the slope should not be more than 45 degrees. Tree plantation should be done in a scientific manner to prevent erosion of the overburden dump.</p> <p>18. The project proponent should ensure that the silt generated from the mining process does not flow into the surface water sources around the lease area. To prevent this, arrangements for retaining wall/garland drain should be made in the mine pit and dump area.</p> <p>19. Soil, fly ash and bricks should be transported in vehicles covered with tarpaulin or other suitable means so that soil or bricks do not fall out of the vehicle. It should be ensured that vehicles transporting minerals are not overloaded.</p> <p>20. Project proponent shall submit CER proposals with details of works along with their estimates including land cost and incorporating the plant cost, fertilizer cost, irrigation cost and maintenance cost for at- least 5 years & incorporate in the EIA report.</p> <p>21. It is necessary to constitute a tripartite committee (proprietor/representative, Gram Panchayat official/representative and District Administration or Chhattisgarh Environment Protection Board official/representative) for monitoring and supervision of C.E.R. and tree plantation work. Also, after completion of C.E.R. and tree plantation work, it is necessary to get it verified by the constituted tripartite committee.</p> <p>22. Corporate Environmental Responsibility (CER) - The project proponent has submitted a detailed proposal for CER (CER) after detailed discussion before the committee as follows:-</p> <table border="1" data-bbox="391 1809 1476 2027"> <thead> <tr> <th data-bbox="391 1809 422 1843">1.</th> <th data-bbox="443 1809 571 1955">Capital Investment (in Lakh Rupees)</th> <th data-bbox="635 1809 850 1917">Percentage of Capital Investment to be Spent</th> <th data-bbox="863 1809 1034 1955">Amount Required for CER Activities (in Lakh Rupees)</th> <th data-bbox="1046 1809 1249 1917">Amount Proposed & Details for CER Activities (in Lakh Rupees)</th> <th data-bbox="1262 1809 1476 2027">Particulars CER Fund Allocation (in Lakh Rupees)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | 1. | Capital Investment (in Lakh Rupees) | Percentage of Capital Investment to be Spent | Amount Required for CER Activities (in Lakh Rupees) | Amount Proposed & Details for CER Activities (in Lakh Rupees) | Particulars CER Fund Allocation (in Lakh Rupees) | | | | | | |
| 1. | Capital Investment (in Lakh Rupees) | Percentage of Capital Investment to be Spent | Amount Required for CER Activities (in Lakh Rupees) | Amount Proposed & Details for CER Activities (in Lakh Rupees) | Particulars CER Fund Allocation (in Lakh Rupees) | | | | | | | | |
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| S. No | EC Conditions | | | | | | | | | | |
|-------|--|-------|---|------|---|------|--|--|--|-------|------|
| | <p>Following activities Nearby, at Village- Bindhyasar</p> <table border="0"> <tr> <td>20.00</td> <td>2%</td> <td>0.40</td> <td>Plantation in govt. Land (Pavitra van nirman)</td> <td>2.54</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Total</td> <td>2.54</td> </tr> </table> <p>Plantation shall be done under the provisions of Corporate Environment Responsibility. Plantation (Pavitra van nirman) shall be developed in govt. land at Village - Bindhyasar in which a total of 750 nos trees (Mango, Jamun, Kathal, etc.) will be planted incurring an amount of Rs 2,54,000. The total amount of expenses in the first year will be Rs. 1,50,000 (Plantation cost - Rs. 75,000, fencing & maintenance cost - Rs. 40,000, fertilizer cost - Rs. 5,000, irrigation cost Rs. 15,000 and misc. Cost - Rs. 15,000). The remaining amount of Rs. 1,04,000 will be spent in the next 4 years. After the consent of Gram Panchayat Bindhyasar, information regarding the suitable location (Khasra number 307, area 0.30 hectares) has been presented by the project proponent.</p> | 20.00 | 2% | 0.40 | Plantation in govt. Land (Pavitra van nirman) | 2.54 | | | | Total | 2.54 |
| 20.00 | 2% | 0.40 | Plantation in govt. Land (Pavitra van nirman) | 2.54 | | | | | | | |
| | | | Total | 2.54 | | | | | | | |

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

| S. No | EC Conditions |
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| 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 (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 |

| S. No | EC Conditions |
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| 1.7 | Solid/hazardous waste generated in the mines needs to be 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 |

2. Air Quality Monitoring And Mitigation Measure

| S. No | EC Conditions |
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| 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 ₂ 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 |
| 2.2 | Transportation of Minerals, to the extent if permitted by road, shall be carried out by covered trucks. Effective control measures such as regular water sprinkling/ mist sprinkling etc., shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the 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. |
| 2.3 | Major approach roads shall be black topped and properly maintained. |
| 2.4 | PP to install solar lights along the road used for transportation of Minerals to avoid the accidents at night and also seek its maintenance. |
| 2.5 | The transportation of Minerals shall be carried out as per the provisions and route proposed. Transportation of the Minerals 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, dust and accidents could be appropriately mitigated. |
| 2.6 | 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. |
| 2.7 | Adequate number of Sprinkle System (mist sprayer) shall be installed to reduce the impact of air pollution at dust generating sources with time bound action plan. |
| 2.8 | Post environmental closure third party monitoring by reputed institution in air quality, water, land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable |

| S. No | EC Conditions |
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| | 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 analyse the implementation of river diversion, meeting to the requirement of project report. |

3. Water Quality Monitoring And Mitigation Measures

| S. No | EC Conditions |
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| 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-20012/1/2006-1A.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 | Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO. |
| 3.3 | 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. |
| 3.4 | Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources. |
| 3.5 | 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. |
| 3.6 | 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 |
| 3.7 | The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly |
| 3.8 | Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine. |
| 3.9 | 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 |

| S. No | EC Conditions |
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| | 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. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS. |
| 3.10 | The project proponent shall take all precautionary measures to ensure reverian/ riparian ecosystem in and around the mine upto a distance of 5 km. A revarian /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government. |
| 3.11 | Domestic water shall be providing to the residents/villages which are coming under the zone of influence of the project due to ground water extraction by installing a RO plant with proper supply line and Taps within 2 years |
| 3.12 | No obsolete technologies for sewage treatment shall be implemented. Construction of Sewage Treatment Plant with latest technology should be completed within 2 years and treated water shall be reused for plantation. CTE and CTO of STP shall be obtained as per the norms. |

4. Noise And Vibration Monitoring And Prevention

| S. No | EC Conditions |
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| 4.1 | 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 |
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| 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 Minor minerals mining and the relevant circulars issued by Government and Directorate General Mines Safety (DGMS). |
| 5.4 | Underground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standards. |
| 5.5 | 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. |

| S. No | EC Conditions |
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| 5.6 | Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy. |

6. Land Recalvation

| S. No | EC Conditions |
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| 6.1 | 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). |
| 6.2 | Regular monitoring of subsidence movement on the surface over and around the working areas and 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. Cracks should be effectively plugged in with ballast and clay soil/suitable material. |
| 6.3 | Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB. |
| 6.4 | A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out. |
| 6.5 | 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. |
| 6.6 | Native tree species shall be selected and planted over areas affected by subsidence. |
| 6.7 | 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. |

7. Public Hearing And Human Health Issues

| S. No | EC Conditions |
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| 7.1 | Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored. |
| 7.2 | The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, |

| S. No | EC Conditions |
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| | 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time. |
| 7.3 | 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. |
| 7.4 | Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines. |
| 7.5 | 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. |
| 7.6 | 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. |
| 7.7 | PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions in defined populations). |
| 7.8 | Permanent Health care facilities of Hospital should be established within 5 km of project boundary for the local people. |
| 7.9 | 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) |
| 7.10 | PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone with time bound action plan |
| 7.11 | PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius |

8. Corporate Environment Responsibility

| S. No | EC Conditions |
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| 8.1 | The company shall have a well laid down environmental policy duly approve by the Board of Directors. 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. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. |
| 8.2 | 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. |
| 8.3 | Action plan for implementing EMP and environmental conditions along with responsibility matrix |

| S. No | EC Conditions |
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| | 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. |
| 8.4 | Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out. |

9. Miscellaneous

| S. No | EC Conditions |
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| 9.1 | 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. |
| 9.2 | 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. |
| 9.3 | 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. |
| 9.4 | 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. |
| 9.5 | 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. |
| 9.6 | The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations. |
| 9.7 | The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government. |
| 9.8 | 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. |
| 9.9 | No further expansion or modifications shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC). |
| 9.10 | 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, |

| S. No | EC Conditions |
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| | 1986. |
| 9.11 | The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory. |
| 9.12 | The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions. |
| 9.13 | 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. |
| 9.14 | 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. |
| 9.15 | 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. |
| 9.16 | Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records. |
| 9.17 | 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 |