



सत्यमेव जयते

File No.: J-11015/80/2018-IA.II (M)  
Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division  
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Dated 19/05/2026



To,

Mr. Karthikeyan V  
M/s. DALMIA CEMENT (BHARAT) LIMITED  
Dalmiapuram, P.O. Kallakudi, Dist.-Tiruchirappalli (Tamil Nadu) - 621 651, TIRUCHIRAPPALLI,  
TAMIL NADU, , 621651  
env.head@dalmiacement.com

**Subject: Proposed Kottameta Limestone Mine (Auctioned Block) (ML Area: 802.25 ha) with total excavation of 7.6 million TPA (Limestone Production Capacity – 3.0 Million TPA, Soil 0.5 Million TPA and Waste 4.1 Million TPA) along with 1000 TPH Crusher by M/s. Dalmia Cement (Bharat) Limited located at Village – Katamater, Tehsil & District – Malkangiri, Odisha - Environment Clearance - reg.**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/OR/MIN/440925/2023 dated 27/09/2023 for grant of r Environmental Clearance (EC) for the project mentioned above under the provisions of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A0000OR5469120N
(ii) File No.	J-11015/80/2018-IA.II (M)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vi) Sector	Non-Coal Mining Proposed Kottameta Limestone Mine (Auctioned Block) (ML Area: 802.25 ha) with total excavation of 7.6 million TPA (Limestone Production Capacity – 3.0 Million TPA, Soil 0.5 Million TPA and Waste 4.1 Million TPA) along with 1000 TPH Crusher located at Village – Katamater, Tehsil & District – Malkangiri, Odisha by M/s. Dalmia Cement (Bharat) Ltd.
(vii) Name of Project	

(viii) Location of Project (District, State)	MALKANGIRI, ODISHA
(ix) Issuing Authority	MoEF&CC
(x) Applicability of General Conditions	No

3. In view of the particulars given in the Para 1 above, the project proposal *inter alia* including Form-2 (Part A, B and C)/ EIA & EMP Reports were submitted to the MoEF&CC for an appraisal by the EAC under the provision of EIA notification 2006 and its subsequent amendments.

4. The above-mentioned proposal has been considered by EAC in the meeting held on 9<sup>th</sup> – 10<sup>th</sup> April, 2026. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above.

5. Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in its 4th EAC meeting held on 9th -10th April, 2026, under the provisions of the EIA Notification, 2006 and its subsequent amendments, **recommended** the proposal of Environment Clearance for Kottameta Limestone Mine (Auctioned Block) (ML Area: 802.25 ha) with total excavation of 7.6 million TPA (Limestone Production Capacity – 3.0 Million TPA, Soil 0.5 Million TPA and Waste 4.1 Million TPA) along with 1000 TPH Crusher located at Village – Katamater, Tehsil & District – Malkangiri, Odisha subject to certain specific conditions in addition to the existing standard condition applicable for Non-coal mining projects (Annexure - I).

6. The details of the project as per the information submitted by the Project Proponent are enclosed as Annexure (II)

7. The Ministry has examined the proposal in accordance with the provisions of the Environmental Impact Assessment (EIA) Notification, 2006, and its subsequent amendments. Based on the recommendations of the Expert Appraisal Committee (EAC), Environmental Clearance (EC) is hereby granted to **Proposed Kottameta Limestone Mine (Auctioned Block) (ML Area: 802.25 ha) with total excavation of 7.6 million TPA (Limestone Production Capacity – 3.0 Million TPA, Soil 0.5 Million TPA and Waste 4.1 Million TPA) along with 1000 TPH Crusher by M/s. Dalmia Cement (Bharat) Limited located at Village – Katamater, Tehsil & District – Malkangiri, Odisha**, subject to compliance of the specific conditions prescribed for this project, in addition to the standard conditions applicable to non-coal mining projects, as detailed in Annexure I.

8. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006, as amended. 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.

9. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

10. The above conditions will 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

11. The PP is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.

## 12. General Instructions:

- a. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/ SEIAA website where it is displayed.
- b. 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.
- c. The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing 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.
- d. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
- e. 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.
- f. 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.
- g. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- h. PP needs to comply the OM dated 24.07.2024 of MoEFCC, where it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign "EK Ped Ma ke Naam" (एक पेड़ माँ के नाम) (and the details of the same shall be uploaded in the MeriLife portal (<https://merilife.nic.in>)).
- i. The plantation under Green Credit Program by the Project Proponent shall not be eligible for site specific plantation clearance forming part of Environment Clearance

13. This issues with the approval of the Competent Authority.

### **Copy To**

- i. **The Secretary**, Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
- ii. **The Chief Secretary**, Government of Odisha, Secretariat, Bhubaneswar.
- iii. **The Secretary**, Department of Environment, Government of Odisha, Secretariat, Bhubaneswar.
- iv. **The Secretary**, Department of Mines and Geology, Government of Odisha, Secretariat, Bhubaneswar.
- v. **The Secretary**, Department of Forests, Government of Odisha, Secretariat, Bhubaneswar.
- vi. **The Secretary**, Department of Steel and Mines, Government of Odisha, Secretariat, Bhubaneswar.
- vii. **The Member Secretary**, Odisha Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
- viii. **The Deputy Director General of Forests (C)**, Ministry of Environment, Forest and Climate Change, Regional Office, A/3, Chandrasekharpur, Bhubaneswar – 751023.

- ix. **The Chief Wildlife Warden**, Prakurti Bhawan, 5<sup>th</sup> floor, BDA Apartment, Nilakanthanagar, Nayapalli, Bhubaneswar-751012, Odisha.
- x. **The Chairman**, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
- xi. **The Controller General**, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440001.
- xii. **The Member Secretary**, Central Ground Water Board, Ministry of Agriculture and Irrigation, 12/1 Jam Nagar House, Shahjahan road, New Delhi 110011.
- xiii. **Director General**, Directorate General of Mines Safety, Hirapur, Dhanbad, Jharkhand, 826001
- xiv. **The District Collector, Malkangiri District, Govt. of Odisha.**
- xv. **Guard File.**
- xvi. **PARIVESH Portal.**

## Annexure 1

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

#### 1. Specific Conditions:

S. No	EC Conditions
1.1	Mining on Forest land of 575.16 ha forest land shall only be allowed after grant of stage-II FC under the relevant provisions of Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980. Till then, proponent shall restrict the mining activity only in the non-forest land present within the ML area.
1.2	Project proponent shall obtain environmental safeguards from OSPCB within 30 days from the date of grant of environmental clearance as per OM dated 14.01.2025. Compliance in this regard shall be submitted to the Ministry and Regional Office of MoEF&CC.
1.3	Project proponent shall develop an embankment 50 m from the bank of Sabari/Kolab River with 3 meters height above the HFL which will be left as a safety barrier zone between river and ultimate pit limit. Plantation with the grass seeding on the embankment shall be done and plantation with the native species shall be completed between the embankment and the Sabari/Kolab River, within one year from the date of grant of EC.
1.4	Project proponent shall abide by all orders and judicial pronouncements, made from time to time by the CEC in Application No. 1669 of 2026 in W.P. (Civil) No.202 of 1996
1.5	Project proponent shall give alternate grazing land in place of 64.886 ha (as per the HAL record) grazing land involved in the ML area, in accordance with the State Government Rules for the same. Till the time alternate grazing land is not provided the grazing land in the ML area shall be used for grazing of cattle as is being done till date, proper metal wind screens, Green belt other structures should be constructed to create a barrier so that there is no adverse impact on cattle.
1.6	Catchment Area Treatment (CAT) Plan for Sabri/Kolab River shall be prepared and submitted to the Regional Office of MoEF&CC within one year from the date of grant of EC. Compliance to the CAT action plan shall be submitted to the Regional Office along with the six monthly compliance report.
1.7	No blasting shall be allowed within 500 m distance from the school without special permission from

S. No	EC Conditions
	DGMS. Metallic windscreens along with one fog cannon needs to be installed to mitigate dust pollution near school in consultation with school authorities.
1.8	PP needs to widen the approach road to 30 feet, as stipulated in Proposal No. 2 approved by the ADM, Malkangiri vide letter dated 25.03.2026, prior to commencement of transportation of mined limestone from the ML area. No transportation shall be allowed through any other village road.
1.9	PP needs to implement the revised bund design and associated silt control measures, including grassing and three-tier plantation, as approved by the Chief Construction Engineer, Potteru Irrigation Project, Balimela, in consultation with the State Water Resources Department. The PP shall strictly adhere to the recommendations of the Potteru Irrigation Division and obtain prior approval from the concerned authority before execution of the work at site, ensuring that no silt discharge occurs into the Sabri/Kolab River.
1.10	PP needs to undertake the shifting of ponds constructed under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) within the lease area strictly in accordance with the consents obtained from the Office of the Project Director, Watersheds (Deputy Director, Soil Conservation), Malkangiri, and the Office of the District Fisheries Officer, Malkangiri, vide letters dated 25.03.2026.
1.11	CTO shall be granted in respect of only those land parcels/Khasra Numbers in the Revenue record which have been either acquired by Project Proponent or consent has been obtained from the landowners or from the concerned State Government, or their authorized agency, as the case maybe.
1.12	PP shall undertake a scientific study for characterization of overburden and associated waste materials to assess the potential presence and feasible recovery of rare earth elements / critical minerals, if any, in accordance with the applicable guidelines of the Ministry of Mines and Ministry of Coal. In case the study establishes the presence of rare earth elements / critical minerals, the PP shall also examine the scope for their utilization and assess their market potential / value.
1.13	PP needs to ensure that no silt is discharged into the ponds and other waterbodies near the ML area. Proper gabions, check dams, drains and other structures should be erected constructed accordingly.
1.14	The PP shall implement the recommendations, if any, issued by the Irrigation Department/State Water Resources Department regarding the safeguarding of ponds located within the mining lease area. Monitoring of surface water level & quality of ponds/waterbodies will be carried out regularly through NABL accredited labs and report submitted to Regional office of MoEFCC along with six month compliance reports.
1.15	Periodic monitoring of dumps stability shall be carried out. Dump management & monitoring should be done in consultation with DGMS as per MMR.
1.16	PP needs to adopt all possible mitigation measures to prevent ore spillage while transporting the mineral by road. Tarpaulin covered trucks should be used to prevent spillage and emission of dust.

S. No	EC Conditions
	Tarpaulin covering should be effective with no scope for any ore mineral spillage left. Geotagged photos of Tarpaulin covering during road transportation should be taken and submitted to Regional office of MoEFCC with six monthly compliance report. Proper training of drivers, operators, and supervisors should be imparted regarding adverse effects of ore spillage on air, water, soil quality, safety and wildlife. An action taken report in this regard needs to be submitted to Ministry's Regional Office with six monthly compliance report
1.17	PP needs to ensure that the reject/Waste shall be dumped in a scientifically designed and stabilized manner within the lease area, ensuring proper catch drains, toe walls and sedimentation pits to prevent erosion and siltation of nearby areas.
1.18	The Project Proponent needs to use modern equipment's such as Camera Traps for ensuring presence and movement of wild animals in the study area in consultation with Wildlife Wing of Forest Department. Appropriate interventions shall be taken to minimize stress conditions for wild animals and to avoid Man-Animal conflict. Project Proponent should follow up with State Forest Department regarding implementation of Wildlife Conservation Plan. An implementation report in this regard needs to be submitted to Ministry's Regional office in half yearly compliance report.
1.19	PP needs to undertake water sprinkling along the transportation road, wherever necessary. Wind Screens and avenue plantation needs to be undertaken wherever necessary.
1.20	The Project Proponent needs to reduce the dependency upon the ground water, surface water (water from rivers, etc.) and it shall construct a rain water harvesting structure/ water reservoir within the lease area for meeting its day-to-day water needs. An implementation report in this regard needs to be submitted to Ministry's Regional Office.
1.21	The mobile water tankers should be used in the ML area for dust suppression and control mitigation. A logbook of water tankers should be maintained mentioning running hours, kilometre reading, maintenance hours of water tankers for each shift.
1.22	The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly. The preference shall be given to the local people for the purpose of employment. Local villagers can be imparted training on mobile, laptop repairing, other electrical appliances repairing, welding, etc. so that they can get employments/ jobs. An implementation report in this regard shall be submitted to Ministry's Regional Office on an annual basis
1.23	The Project Proponent shall monitor the air quality, noise level, water quality, water level at the edge of the mine, crusher, near the village and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Regional Office.

S. No	EC Conditions
1.24	The Project Proponent needs to install the permanent fixed water sprinklers along the haul road and the approach road. Further, 08 nos. of fog canons/mist sprayer of atleast 40 m throw shall be installed at various locations in the mine area (and/or other area prone to dust pollution). Effective dust suppression system shall also be adopted at other parts of the mining lease to arrest the fugitive dust emission.
1.25	The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed near areas prone to air pollution. PP shall take necessary measures to avoid generation of fugitive dust emissions.
1.26	The Project Proponent needs to explore the possibility to reduce the water consumption by using non-toxic chemicals for haul road dust suppression.
1.27	The Project Proponent needs to complete the entire 7.5 m peripheral plantation [9.35 ha with 23375 saplings], safety barrier plantation and gap plantation within three years. The Project Proponent should plant quality sapling of appropriate height of native and fruit bearing species. In case of tall transplants (seedlings) the seedlings should have proper trained root stock with root biomass commensurate with seedling height to ensure good growth after out planting. Plantation shall be undertaken in consultation with the State Forest Department. The Project Proponent shall make the actual count on the saplings planted (2500/ha) and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Regional Office. PP shall also ensure a minimum of 20% plantation through Miyawaki technique. A well-qualified horticulture specialist should be kept in the Environment Management Cell of the Project. Besides, plantation over Safety Zone, reclaimed area, Bench Plantation, utility 127.909 Ha with 319,773 saplings shall also be carried out as committed.
1.28	PP shall implement the protective measure proposed in Environment Management Plan (EMP) in a time-bound manner. The budget earmarked for the same is Rs 319 Lakhs and Rs 57.1 Lakhs/ Annum (recurring) and should be kept in separate accounts and audited annually. The implementation status along with the amount spent with documentary proof shall be submitted to the concerned Regional Office for the activities carried out during the previous year.
1.29	Project proponent shall deposit the budgetary provision of Rs. 956.16 lakhs approved by the PCCF (WL) and CWLW, Odisha for Site-Specific Wildlife Conservation Plan, with the State Wildlife Division and the SSWCP shall be implemented within a time – bound manner.
1.30	The Project Proponent should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup at site which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories/consultants. Any noncompliance or infringement should be reported to the concerned authority.
1.31	The budget proposed for PH is Rs. 625.6 Lakhs. The budget proposed shall be kept in a separate account and audited annually. Project proponent shall implement the action plan to address the

S. No	EC Conditions
	issues raised during public hearing within a time frame of 3 years from the date of grant of EC. PP shall submit the progress report regarding the implementation of action plan to concerned RO along with the six-monthly compliance report. PP shall strengthen the existing Primary Health Centre (PHC) & Community Health Centre (CHC) in the study area for better public health. The Project proponent shall ensure that the activities proposed under the public hearing is different from the CSR activities.
1.32	The Project Proponent shall explore the possibility of using atleast 20% of Electric vehicles/CNG/Solar instead of diesel operation within three years from the date of grant of EC.
1.33	Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
1.34	The Project Proponent needs to provide the good quality RO drinking water supply and also by laying network of pipelines to the Katamater village at free of cost.
1.35	The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
1.36	The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Regional Office.
1.37	The Project Proponent shall conduct third party audit of compliance of EC condition at an interval of one year and its report shall be submitted to RO, MoEFCC.
1.38	Project Proponent shall install 2 number of CAAQMS, 1 each in the core zone and the buffer zone, in consultation with the Odisha Pollution Control Board and the same shall be connected to the server of SPCB. The same shall be completed within 1 year from the date of grant of EC. The real time data so generated should be displayed digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB/SPCB.
1.39	PP should utilise the Oil & Grease Trap for washing of trucks, HEMM operational in their mine project. Disposal of the used oil & drums should be through authorized recyclers and as per rules. Copy of logbook of Oil withdrawn from Oil & Grease Trap should be submitted to the Regional Office of the Ministry.
1.40	PP shall ensure that all type of plastic waste generated from the mines shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016 and its amendments. In pursuant to Ministry's OM dated 18/07/2022 PP shall also create awareness among

S. No	EC Conditions
	the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministry's Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall be submitted to Ministry's Regional Office.
1.41	Project proponent is advised to implement the 'Ek Ped Maa Ke Naam' Campaign which was launched on 5th June 2024 on the occasion of the World Environment Day to increase the forest cover across the Country. This plantation drive is other than Greenbelt development. The action in this regard shall be submitted concerned RO in six monthly compliance report and the details of the same shall be uploaded in the MeriLife portal ( <a href="https://merilife.nic.in">https://merilife.nic.in</a> ).
1.42	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government and District Administration. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.

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

**1. Statutory Compliance**

S. No	EC Conditions
1.1	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-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."
1.2	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
1.3	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
1.4	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change ( <a href="http://www.parivesh.nic.in">www.parivesh.nic.in</a> ). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.

S. No	EC Conditions
1.5	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.
1.6	This Environmental Clearance (EC) is subject to orders/ judgment of Honble Supreme Court of India, Honble High Court, Honble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
1.7	The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India &Ors before commencing the mining operations.
1.8	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.

2.

S. No	EC Conditions
2.1	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.
2.2	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.

### 3. Air Quality Monitoring And Preservation

S. No	EC Conditions
3.1	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.

S. No	EC Conditions
3.2	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.

#### 4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
4.2	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.
4.3	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
4.4	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
4.5	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.
4.6	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.

S. No	EC Conditions
4.7	The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.

### 5. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
5.1	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
5.2	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 /night hours.
5.3	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.

### 6. Mining Plan

S. No	EC Conditions
6.1	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working ( method of mining, overburden & dump management, O.B& dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).
6.2	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as

S. No	EC Conditions
	per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.

### 7. Land Reclamation

S. No	EC Conditions
7.1	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.
7.2	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.
7.3	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.
7.4	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.

### 8. Transportation

S. No	EC Conditions
8.1	The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

S. No	EC Conditions
8.2	No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport].

### 9. Green Belt

S. No	EC Conditions
9.1	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.

### 10. Public Hearing And Human Health Issues

S. No	EC Conditions
10.1	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.

### 11. Corporate Environment Responsibility

S. No	EC Conditions
11.1	The Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.

### 12. Miscellaneous

S. No	EC Conditions
12.1	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.
12.2	The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.
12.3	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 16 of the National Green Tribunal Act, 2010.
12.4	In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Honble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
12.5	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.
12.6	The above conditions will 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 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court and any other Court of Law relating to the subject matter.
12.7	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
12.8	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
12.9	Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
12.10	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

**Additional EC Conditions**

N/A

**Proposed Kottameta Limestone Mine (Auctioned Block) (ML Area: 802.25 ha) with total excavation of 7.6 million TPA (Limestone Production Capacity – 3.0 Million TPA, Soil 0.5 Million TPA and Waste 4.1 Million TPA) along with 1000 TPH Crusher by M/s. Dalmia Cement (Bharat) Limited located at Village – Katamater, Tehsil & District – Malkangiri, Odisha.**

### Detail of the Project:

The proposal details as submitted by the Project Proponent are given under:

#### i. Project details:

Name of the Proposal	Proposed Kottameta Limestone Mine (Auctioned Block) (ML Area: 802.25 ha) with total excavation of 7.6 million TPA (Limestone Production Capacity – 3.0 Million TPA, Soil 0.5 Million TPA and Waste 4.1 Million TPA) along with 1000 TPH Crusher located at Village – Katamater, Tehsil & District – Malkangiri, Odisha.			
Location	Village	Katamater/Kottameta		
	Tehsil/Taluka	Malkangiri		
	District	Malkangiri		
	State / UT	Odisha		
	Latitudes	18°19'27.10956" N	to	18°20'53.76444" N
	Longitudes	81°39'08.01756" E	to	81°41'38.08968" E
	Sol Toposheet No.	Core Zone: E44J11 (65 F/11) Buffer Zone: E44J11 (65 F/11), E44J12 (65 F/12), E44J15 (65 F/15) & E44J16 (65 F/16)		
Company's Name	Dalmia Cement (Bharat) Ltd.			
Accredited Consultant and certificate no. and Validity	JM EnviroNet Pvt. Ltd. Registered EIA Consultant by NABET (QCI) Certificate No. QCI/NABET/EIA/23-26/SA 0250, dated 25.07.2025 and Valid up to 07.08.2026			
KML file	KML is uploaded on Parivesh 2.0 Web Portal			
Seismic zone	Zone - II as per IS:1893 (Part - I): 2025			

**ii. Category details:**

Category of the project	As per EIA Notification dated 14 <sup>th</sup> September, 2006 as amended from time to time, the project falls under Category "A"
Schedule No.	Project or Activity 1 (a) – 3 for "Mining of Minerals"
Mining lease Area (MLA) (In ha)	802.25 ha
General Conditions (if any)	None

**iii. ToR Details:**

Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
27.06.2017	Proposal No.: IA/OR/MIN/65111/2017 File No. J-11015/63/2017-IA-II(M)	20 <sup>th</sup> Meeting of the Reconstituted Committee of the EAC (Non-Coal Mining Sector) dated 24 <sup>th</sup> July, 2017; Agenda Item No. 2.8	Committee deferred the proposal for grant of Standard ToR for Mining as well as beneficiation projects and asked PP for 'proof of submission' of Stage-1 FC proposal under Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980.	NA
		32 <sup>nd</sup> Meeting of the Reconstituted Committee of the EAC (Non-Coal Mining Sector) dated 30 <sup>th</sup> May, 2018;	The Committee suggested that the PP shall revise the Form-I and PFR w.r.t production capacity of Limestone,	NA

Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
		Agenda Item No. 2.25	details of total excavation overburden/Top soil, so that the EIA/EMP Report can reflect the impact of total excavation of mineral/ OB/ Top soil etc. Accordingly, the PP needs to submit the proposal with all the details as mentioned above for further consideration in the next EAC meeting. The Committee returned the proposal in present form.	
30.06.2018	Proposal No.: IA/OR/MIN/75647/2018 File No. J-11015/80/2018-IA.II(M)	35 <sup>th</sup> Meeting of the Reconstituted EAC dated 24 <sup>th</sup> August 2018: Agenda Item No. 2.4	After the deliberation of EAC meeting proposal has been recommended for ToR for undertaking EIA/EMP study	06.09.2018

**iv. Details of Mine Lease in Chronological manner:**

S. No	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No.	Date of the grant	Name of the Mineral & (Major/Minor)	Period of Grant	Granted by	Mine lease area in Ha
<b>A GRANT OF LETER OF INTENT OR MINING LEASE</b>						
1.	Letter of Intent: vide letter No. IV(MISC) SM-09/2017/850/SM over an area of 801.171 ha;	27.01.2017	Limestone	3 Years from the date of issuance	Govt. of Odisha	801.171 ha
2.	LOI was extended as per the recommendation of High-Level Committee vide letter no IV(Misc.) SM-09/2017/4507/S&M, Bhubaneswar	04.06.2020	Limestone	Extended for 2 Years	Govt. of Odisha	801.171 ha
3.	Due to COVID-19 and in pursuance to Ministry of Mines, Govt. of India order dated 14.10.2021, the validity of the LOI was again extended vide Dept. Order No. SM-MC2-MC-0012-2020/8854/SM	30.10.2021	Limestone	Extended for 6 Months	Govt. of Odisha	801.171 ha
4	Ministry of Mines, Govt. of India vide its letter dated 29.10.2022, clarified that State Govt. revise LOI up to period not later than date of amendment of Mineral (Auction) Rules, 2015 i.e., 30.11.2017. Accordingly, the commencement date of the issued	18.11.2022	Limestone	Validity of LOI is extended upto 29.05.2023	Govt. of Odisha	801.171 ha

S. No.	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No.	Date of the grant	Name of the Mineral & (Major/Minor)	Period of Grant	Granted by	Mine lease area in Ha
	LOI is revised to 30.11.2017 instead of 27.01.2017 vide letter No. SM-MC2-MC-0012-2020/10885/SM					
<b>B GRANT OF MINING LEASE</b>						
1.	Mining Lease Granted vide order no 5388/SM, Bhubaneswar	25.05.2023 (Within the LoI validity period)	Limestone	50 Years	Govt. of Odisha	802.25 ha*
<p><b>*Note:</b> As per the LOI/Tender documents, the total LOI area was 801.171 ha. At the time of pursuing Forest Clearance, re-validation of land schedule was done by Tehsildar, Malkangiri within the area allotted under the auction and total extent <b>changed from 801.171 ha to 802.25 ha</b> without any change in block boundary. Co-ordinates as per DGPS survey. Subsequently, DCBL has been declared as successful bidder and Govt. of Odisha granted Mining Lease to DCBL over an area of 802.25 ha and ML was executed and registered over 802.25 ha for a period of 50 years.</p>						

S. No.	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease area in Ha
		From	To		
1.	Mining Lease Granted over an area of 802.25 ha vide order no 5388/SM, Bhubaneswar dated 25.05.2023 over an area of 802.25 ha	--	--	Limestone	802.25 ha
2.	Lease Deed was executed & registered vide certificate no. IN-OD06390510366081V	26.05.2023	25.05.2073	Limestone	802.25 ha

**v. Land Use/Land Cover of the Mine Lease Area:**

During grant of approval under section 2(iii) of Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980, State Forest Department considered land schedule as per Sabik Record as on 25.10.1980 instead of land schedule as per HAL record as provided in LOI/Tender documents and accordingly Forest Clearance approval under Section-2 (iii) of Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980, over an area of 575.16 ha [462.247 Ha (HAL) + 112.913 Ha (Sabik)] of Forest Land. Subsequently, DCBL has been declared as successful bidder and Govt. of Odisha granted Mining Lease to DCBL considering the same.

Further, MoEF&CC, New Delhi, granted **“In-Principle”** approval **under section-2 (1) (ii) of Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980** for diversion of **575.16 ha forest land** for mining of Limestone Block in Katamater village by Dalmia Cement (Bharat) Limited in Malkangiri Tahasil of Malkangiri District under Malkangiri Forest Division vide Letter **dated: 16/02/2026**.

Particular	As per Sabik Record as on 25.10.1980 (In Ha)
Private land	143.603
Government land	83.487
Forest land	575.160
<b>Total Mining Lease Area (MLA), ha</b>	<b>802.25</b>
Private land for crusher, workshop & other infrastructure outside the MLA	No infrastructure proposed outside ML area.
Additional information (if any)	1000 TPH Capacity of Crusher to be installed within the Mine Lease.

**vi. Mining Plan details:**

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Particular	Mining Plan along with Progressive Mine Closure Plan (PMCP)	1 <sup>st</sup> Modification of Mining Plan Under Rule 17(3) Of MCR, 2016	2 <sup>nd</sup> Modification of Mining Plan along with Progressive Mine Closure Plan (PMCP)
	Letter No.	No-MP/FM/34-ORI/BHU/ 2017-18	MCDR-MiFL0LST/5/2023-BBS-IBM_RO_BBS	MMP-2428/2025-26/IBM_RO_BBS
	Date	08.06.2017	08.08.2023	28.01.2026
	Mineral (Major/Minor)	Major -Limestone	Major -Limestone	Major -Limestone
	Mine Lease Area, Ha	801.171	802.25	802.25

	Validity	5 Years from the date of the Mine Lease Execution	5 Years from the date of the Mine Lease Execution	5 Years from the date of the Mine Lease Execution
Additional information (if any)	<p><b>Reason for modification in Mining Plan (2023):</b></p> <p><i>“1.Kottameta Limestone Block Over 801.171 Ha Comprising of 462.247 Ha of Forest Land (Gramya Jungle + Jungle) and 338.924 Ha of Non-Forest Land (Govt. Waste Land: 190.058 Ha &amp; Private S.T. Land: 148.866 Ha), as Provided by The Directorate of Mines, Government of Odisha in the Land Schedule of the block along with letter of intent to the Preferred Bidder M/s Dalmia Cement (Bharat) Ltd.</i></p> <p><i>2.Mining Plan was approved on 08/06/2017 vide letter no. MP/FM/34-ORI/BHU/2017-18.</i></p> <p><i>3.During processing of our submitted forest clearance application, the land schedule provided along with LOI was revalidated by Tehsildar, Malkangiri &amp; it is found that the total extent of Kottameta Limestone Block is 802.255Ha. including forest land of 575.16Ha. (SABIK settlement) and Non-Forest Land of 227.09Ha. (Govt. Waste Land: 83.487 Ha &amp; Private S.T. Land: 143.603Ha) Though the DGPS co-ordinates of the Kottameta Limestone Block remained the same.</i></p> <p><i>4.The Permission under Section-2 (iii) of Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 has been granted on 18.05.2023 over 575.16 ha Forest Area.</i></p> <p><i>5.Government of Odisha granted the mining lease in favor of M/s Dalmia Cement (Bharat) Limited vide order no. 5388/SM dated 25.05.2023 over 802.25 Ha. area comprising of Forest Land of 575.16 Ha. (SABIK Settlement) and non-forest land of 227.09 Ha. (Govt. Waste Land: 83.487 Ha &amp; Private S.T. Land: 143.603 Ha). Due to change in Land Use of Forest &amp; Non-forest lands within the block, M/s Dalmia Cement (Bharat) Ltd. applied for modification of mining plan.”</i></p> <p><b>Reason for modification in Mining Plan (2026):</b></p> <p><i>“The Mining Lease for Kottameta Limestone Block Was Executed and Registered On 26.05.2023. As Per Rule 4A (4) Of the Mines and Minerals (Development and Regulation) Act, 1957 And Rule 20 Of the Mineral Conservation and Development Rules, 2016 (MCDR 2016), Commencement of Production and Dispatch Was Planned By 25.05.2025. However, The Same Could Not Be Initiated Within the Stipulated Period Due to Delays in Obtaining Final Approvals for Forest Diversion and Environmental Clearance (EC) From the MoEF&amp;CC. The FC U/s 2(iii) Along with Current Status/chronology Of FC U/s 2(ii) And EC Are Enclosed in Annexure Serial No 5. In View of the above, the Lessee applied for and obtained a One-year Extension, I.e., Up To 25.05.2026, From the Government of Odisha to Commence Production and Dispatch, In Accordance with Rule 20 Of MCDR 2016 (enclosed As Annexure-17B). The need for Modification of The Approved Mining Plan has now arisen, As the Lessee Anticipates That Only Stage-I Forest Clearance along with EC will be available by April 2026. Further, As Per the MoEF&amp;CC Guidelines</i></p>			

	<p><i>Dated 03.02.2023 on allowing commencement of Mining Operations in Non-Forest Land before obtaining Stage-II Forest Clearance for Non-coal Mining Leases involving both Forest and Non-forest Land, similar to Coal Mines (File No. FC-11/66/2022-FC). The Lessee proposes to commence mining operations exclusively in Non-forest Land. Accordingly, the present application seeks modification of the Mining Plan without any change in the approved Limestone Production Quantity, to enable commencement of production and dispatch from The Mining Lease Area without involving Forest Land. The proposed pit, dumps, and other mining-allied Activities have been suitably planned entirely within Non-forest Land."</i></p> <p>Project Proponent is proposing to commence mining operations exclusively in non-forest land. Accordingly, the Modification of the Mining Plan has been approved by IBM, Bhubaneshwar on 28.01.2026.</p> <p>As per the approved Modified Mining Plan, there is no change in Mining Technology, Production Capacity, Types of Facilities except the shifting of plan period mining from forest land to non-forest land. The proposed pit, dumps, and other mining-allied activities have been suitably planned entirely within non- forest land. Further, Conceptual Plan has been improved upon by considering backfilling in part area upto surface and rehabilitating it by plantation and regrassing resulting in increase in Greenbelt/Plantation/regrassing area.</p>		
<b>Mining Parameters</b>	<b>Quantitative Description</b>		
Method of Mining	Opencast Mechanized Mine		
Drilling/Blasting	<b>S. No.</b>	<b>Parameter</b>	<b>Description</b>
	1	Bench Height	9 m
	2	Sub-drilling	1 m
	3	Depth of Blast hole	10 m
	4	Burden	4 m
	5	Spacing	6 m
	6	Hole diameter	115 mm
Geological Reserves	98.69 Million tonnes		
Mineable Reserves	97.51 Million tonnes		
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Limestone: 3.0 Million TPA Soil: 0.5 Million TPA Waste: 4.1 Million TPA Total Excavation: 7.6 Million TPA		
Life of mine	36 years (as stated by PP) It is based on current level of exploration (G-2) carried out by the Directorate of Geology, Government of Odisha. However, with the proposed exploration program during the plan period, the reserves are likely to be increased and accordingly, the life of the mine is likely to be increased.		
Mine Bench Height & Bench Width	Bench Height: 3 to 9 m Bench Width: 16 m (Operational) & 9 m (Conceptual)		
No. of Mine Benches	15		
Existing Depth, m bgl	Not applicable as this is proposed mine.		
Ultimate Depth of Mining, m bgl	134 m AMSL (84 mbgl), Considering max. Top RL as 218m (Based on the future exploration Ultimate Depth of Mining may change)		

Ground Water Table, m bgl	Water level within mine lease given below Considering 203m AMSL as Average Elevation Pre-Monsoon: 190m to 187m AMSL (13m bgl to 16m bgl) Post Monsoon: 193m to 190m AMSL (10m bgl to 13m bgl)
Details of ground water intersection	Ground water seepage is anticipated during course of mining from 3 <sup>rd</sup> year of the Plan period. NOC will be obtained from CGWA prior to ground water intersection. NOC for 83 KLD Ground Water withdrawal has been obtained from CGWA vide NOC No. CGWA/NOC/MIN/ORIG/2023/18990, dated 09.08.2023 and it was valid up to 08.08.2025. NOC Renewal for the same was obtained from CGWA vide NOC No. NOC/MIN/OD/2025/12128/R-1/1, dated 23.02.2026 and same is valid from 09.08.2025 to 08.08.2027.
Individual bench slope	85 <sup>o</sup>
Overall pit slope	45 <sup>o</sup>
Details of existing/proposed Crusher	Crusher of 1000 TPH capacity is proposed to be Installed within the ML area.
Mineral Beneficiation	Mineral Beneficiation is not involved
RoM output size	75 mm
Transportation details including capacity of dumper/tipper, mode of transport and distance	Capacity of Tipper considered is 35 Tonnes. This block has been auctioned without any end use. Hence, initially it is proposed to sell limestone to cement plants and end use industries as and when required by road and subsequently it is planned to construct our own cement plant nearby for which crushed limestone will be transported via covered conveyor belt.
Generation of Topsoil/OB & its Management during plan period & conceptual period	<b>Soil:</b> During Plan Period: 0.0484 Million CuM (0.968 Million Tonnes) At Conceptual Stage: 6.928 Million CuM (13.856 Million Tonnes) It will be temporarily stored at designated places and subsequently utilized for greenbelt/plantation development.
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	<b>OB/Waste:</b> During Plan Period: 1.926 Million CuM (Phyllite/Siliceous Limestone/Waste) At Conceptual Stage: About 58 Million CuM (Phyllite/Siliceous Limestone/Waste) will be generated. OB/Waste will be backfilled up to 170 m RL and partial will be used for road development. Now, it is proposed to backfill 72.75 Ha area up to surface level and reclaim by plantation/Regrassing.
Additional information (if any)	<b>Note:</b> "Blendable Grade" or "Mineral Rejects": Limestone analyzing 35-40% CaO and with SiO <sub>2</sub> content 18% (max). Blendable Grade or Mineral Rejects with 35-40% CaO and less than 18% SiO <sub>2</sub> will be stacked separately. Quantity of inter bands with CaO ranging from 24-40% CaO has been separately determined and is considered as mine waste and shall be stacked separately for future utilization.

#### vii. Water requirement:

Total water requirement	100 KLD	Fresh water	83 KLD
		Treated water	17 KLD
Source	Ground water, harvested rain water and seepage accumulated in mine pit as & when developed.		

Permission for withdrawal/ intersection along with details of grant and its validity	NOC for 83 KLD Ground Water withdrawal has been obtained from CGWA vide NOC No. CGWA/NOC/MIN/ORIG/2023/18990, dated 09.08.2023 and it was valid up to 08.08.2025. NOC Renewal for the same was obtained from CGWA vide NOC No. NOC/MIN/OD/2025/12128/R-1/1, dated 23.02.2026 and same is valid from 09.08.2025 to 08.08.2027.
Additional information (if any)	Prior NOC will be obtained before intersection.

**viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest**

Particulars	Particular's Name	Distance & Directions
<b>Village</b>	Kotamateru/Katamater	~Adjacent to mine lease in East direction
<b>School</b>	Kotamateru AS	0.5 km in East direction
<b>Town</b>	Sukma	~5.0 km in NNW direction
	Malkangiri	~20.0 km in East direction
<b>Highway</b>	NH 221	~3.0 km in NW direction
	SH 25	~17.0 km in East direction
<b>Interstate Boundary</b>	Odisha-Chhattisgarh Boundary	Adjacent in Northern direction (Passing East to West)
<b>Railway Station/ Railway line</b>	Kirandul Railway Station (Chhattisgarh)	~51.0 km in NW direction
	Bacheli Railway Station (Chhattisgarh)	~60.0 km in NW direction
<b>Water Bodies</b>	Sabari/Kolab River	~30.0 m in NW direction
	Malengar Nadi	~4.5 km in WNW direction
<b>Forest</b>	Kosabandar RF	~2.5 km in NE direction
	Sukma RF	~3.0 km in NW direction
	Syadiman RF	~4.5 km in ESE direction
	Silakot RF	~5.0 km in SE direction
	Durhameta RF	~9.5 km in SE direction

**ix. Presence of Environmentally Sensitive areas in the study area**

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	Yes	Total 575.16 ha forest land is involved as per the Forest Kisam land -Sabik Settlement as on 25.10.1980. <ul style="list-style-type: none"> <li>In-principle/Stage-I approval under Section-2 (iii) of Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 over an area of 575.16 ha of Forest Land has been obtained from MoEF&amp;CC, New Delhi vide file no. 8-18/2022-FC, dated 18.05.2023.</li> </ul>

		<ul style="list-style-type: none"> <li>Approval under Section-2 (iii) of Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 was obtained vide file no. 8-18/2022-FC, dated 21.07.2023.</li> <li>Stage I Forest Clearance under section 2 (1) ii of Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 has been obtained vide Proposal No. FP/OR/MIN/QRY/445466/2023, dated 16.02.2026.</li> </ul>
National Park	No	No National Parks, Wildlife Sanctuaries, Biosphere Reserves, Migratory Corridors of Wildlife Animal, Ramsar Site, Tiger/Elephant Reserve within 10 Km radius study area. Location Map for the same was authenticated by the DFO, Malkangiri vide letter no. 2961/4F. (Misc.)-2023, dated 19.07.2023.
Wildlife Sanctuary	No	
Elephant/Tiger Reserve	No	
Eco-Sensitive Zone (ESZ)/Eco-Sensitive Area (ESA)	No	
Coastal Regulation Zone (CRZ)	No	The mine is located in District Malkangiri of State Odisha, which is not a coastal zone. Therefore, the proposed mine does not come under purview of CRZ Notification.
Schedule-I species (Nos. and name of schedule-I species with authenticated letter)	Yes	<p>There are 31 nos. of Schedule-I Species <b>viz.</b> <i>Canis aureus</i> (Jackal), <i>Cuon alpinus alpinus</i> (Indian Wild Dog), <i>Canis lupus pallipes</i> (Indian Wolf), <i>Fellis chaus</i> (Jungle cat), <i>Felis bengalensis</i> (Leopard Cat), <i>Hyaena hyaena</i> (Hyaena), <i>Hystrix indica</i> (Porcupine), <i>Manis crassicaudata</i> (Pangolin), <i>Melursus ursinus</i> (Sloth bear), <i>Mellivora capensis</i> (Honey Badger), <i>Panthera pardus</i> (Leopard), <i>Ratufa indica</i> (Giant squirrel), <i>Vulpes bengalensis</i> (Indian fox), <i>Viverricula indica</i> (Small Indian Civet);</p> <p><b>Reptiles:</b> <i>Daboia russelii</i> (Russell's viper), <i>Python molurus</i> (Python), <i>Naja naja</i> (Cobra), <i>Ptyas mucosa Linnaeus</i> (Rat Snake), <i>Natrix piscator</i> (Checkered Keelback), <i>Ophiophagus hannah</i> (King cobra), <i>Naja Kaouthia Lesson</i> (Monocled Cobra), <i>Chamaeleo zeylanicus Laurenti</i> (Indian Chameleon), <i>Varnus bengalensis</i> (Monitor Lizard), <i>Lissemys punctata</i> (Indian soft shelled turtle);</p> <p><b>Birds:</b> <i>Gracula religiosa</i> (Hill myna), <i>Haliastur indus</i> (Bramhiny kite), <i>Gyps bengalensis</i> (White-rumped Vulture), <i>Anthraceros malabaricus</i> (Indian pied hornbill), <i>Gallus soneratii</i> (Jungle Fowl), <i>Pavo cristatus</i> (Common Peafowl), <i>Accipter badius</i> (<i>Shikra</i>) were found within the 10km radius of the study area.</p> <p>List of flora &amp; fauna separately for core zone and buffer zone, as per The Wild Life (Protection) Amendment Act, 2022 duly authenticated by DFO, Malkangiri vide letter no.2961/4F. (Misc.) 2023, Malkangiri, dated 19.07.2023.</p>
Wildlife Conservation Plan	Yes	SSWLCP for Schedule I species has been approved from the Office of Principal Chief

	Conservator of Forest (Wildlife) & Chief Wildlife Warden, Bhubaneshwar, Odisha vide letter. No. 11546/CWLW-FDWC-FD-0043-2022 dated 02 Nov 2023, with budgetary allocation of Rs. 956.16 Lakh (Rs. 9.56 Crore).
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**x. Greenbelt/Plantation details:**

Proposed area for green belt/plantation and no. of saplings proposed	<ul style="list-style-type: none"> <li>Greenbelt (7.5 m Safety barrier): 9.35 ha with 23375 saplings.</li> <li>Plantation over Safety Zone, reclaimed area, Bench Plantation, utility 127.909 Ha with 319,773 saplings.</li> </ul>
Budget for green plant & plantation till the end of life of mine.	Rs. 8.57 Crore till the end of life of mine.
Budget for nursery	10 Lakhs
Details of existing plantation and its survival rate	Survival Rate will be maintained 90%
No. of tree cuts in the mine lease area and compensatory afforestation	Mining lease area comprises of 575.16 Ha forest land as per the Forest Kisam land Sabik Settlement as on 25.10.1980. As per the Site Inspection carried out by Forest Officials during the Forest Diversion Proposal, a total of 85,757 trees are proposed to be felled from designated forest areas, 680 trees from non-forest government land, and 2,677 trees from non-forest private land. For diversion of forest land, Compensatory afforestation, Additional Compensatory afforestation, Soil moisture conservation will be done on equivalent land proposed for diversion. Large mature trees falling in safety barrier and under undisturbed area may not require cutting. Only small shrubs & vegetation will be cleared for accessibility & workability. Trees feasible for transplantation will be transplanted to the extent possible.
<b>Particulars for Green belt/plantation</b>	Area covered (In Ha)
7.5 m barrier & non-mineralized zone	9.35 ha
50 m safety zone of nallah, roads, electric lines	-
500 m safety zones of nearest habitation villages	-

**xi. Baseline detail:**

<b>Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)</b>
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Period of baseline data collection	Period of Baseline Data Collection: Oct., to Dec., 2019 Period of Fresh Baseline Data Collection: March to May, 2023 (Fresh baseline data was collected in compliance of MoEF&CC OM vide F. No. IA3-22/10/2022-IA.III [E177258] dated 8 <sup>th</sup> June, 2022 as the collected Baseline Data has been 3 year old)
Season (Summer/Pre-monsoon/Post-monsoon/Winter)	Baseline data: Post Monsoon Season, 2019 Fresh Baseline Data: Summer Season, 2023
Predominant Wind direction (From)	On the basis of Fresh Baseline Data: Summer Season, 2023 South West
Ambient Air Quality (no. of locations) and results	Ambient Air Quality Monitoring was done at 08 locations <ul style="list-style-type: none"> <li>➤ PM<sub>10</sub> – 44.5 to 78.4 µg/m<sup>3</sup></li> <li>➤ PM<sub>2.5</sub> – 20.9 to 45.6 µg/m<sup>3</sup></li> <li>➤ SO<sub>2</sub> – 4.3 to 12.5 µg/m<sup>3</sup></li> <li>➤ NO<sub>x</sub>- 10.1 to 23.3 µg/m<sup>3</sup></li> <li>➤ CO – 0.54 to 0.75 µg/m<sup>3</sup></li> </ul>
Noise level (no. of locations) and results	Noise level Monitoring was done at 08 locations <ul style="list-style-type: none"> <li>➤ During Day Time – 47.8 to 54.8 Leq dB (A)</li> <li>➤ During Night Time – 39.5 to 43.5 Leq dB (A)</li> </ul>
Water Quality (no. of locations) and results	Ground water sampling was done at 07 locations <ul style="list-style-type: none"> <li>➤ pH – 7.16 to 7.44</li> <li>➤ Total Hardness – 160.17 to 260.21 mg/l</li> <li>➤ Alkalinity – 112 to 205 mg/l</li> <li>➤ TDS – 290 to 415 mg/l</li> <li>➤ Chloride - 42.57 to 81.0 mg/l</li> <li>➤ Sulphate – 14.40 to 65.10 mg/l</li> </ul>
	Surface water sampling was done at 02 locations <ul style="list-style-type: none"> <li>➤ pH – 7.06 to 7.19</li> <li>➤ Total Hardness – 65.05 to 80.06 mg/l</li> <li>➤ Alkalinity – 40.0 to 50.0 mg/l</li> <li>➤ TDS – 115.0 to 140.0 mg/l</li> <li>➤ Chloride – 26.32 to 34.71 mg/l</li> <li>➤ Sulphate – 12.30 to 22.61 mg/l</li> <li>➤ BOD – 4.6 to 6.9 mg/l</li> <li>➤ COD – 14.0 to 21.0 mg/l</li> <li>➤ Dissolve Oxygen – 6.6 to 7.8 mg/l</li> <li>➤ Total Suspended Solids – 15.8 to 20.6 mg/l</li> </ul>
Soil Quality (no. of locations) and results	Soil sampling was done at 07 locations <ul style="list-style-type: none"> <li>➤ pH – 6.89 to 7.45</li> <li>➤ Organic Matter – 0.80 to 1.05%</li> <li>➤ Nitrogen – 219.80 to 342.87 kg/ha</li> <li>➤ Phosphorous – 10.65 to 23.30 kg/ha</li> <li>➤ Potassium – 287.65 to 452.15 kg/ha</li> <li>➤ Magnesium – 298.09 to 420.87 mg/kg</li> <li>➤ Calcium – 980.42 to 1667.01 mg/kg</li> </ul>
Hydrogeological study and results	Detailed Hydrogeology study has been carried out. Water level during Pre-monsoon: 190-187m AMSL (13-16m bgl) & Post-monsoon: 193-190m AMSL (10-13m bgl) considering the 203m RL as average elevation. Ultimate working depth of the mining operation will be 134 m AMSL (84m bgl) from 218 m Top RL. Ground water seepage is anticipated during course of mining from 3rd year of the Plan period. NOC will be obtained from CGWA prior to ground water intersection.

	<p>NOC for 83 KLD Ground Water withdrawal has been obtained from CGWA vide NOC No. CGWA/NOC/MIN/ORIG/2023/18990, dated 09.08.2023 and it was valid up to 08.08.2025.</p> <p>NOC Renewal for the same was obtained from CGWA vide NOC No. NOC/MIN/OD/2025/12128/R-1/1, dated 23.02.2026 and same is valid from 09.08.2025 to 08.08.2027.</p>																																			
<p>Traffic study (no. of locations) and results</p>	<p>At Normative Stage, 9677 TPD of limestone, will be transported from the working faces to the crusher by 35 tonnes capacity rear dumpers. The number of trips of rear dumpers required (as there will be 2 shifts @ effective 8 hrs for transportation) are 276 nos. The number of trips per hour will be 17.</p> <p>For transport of max. 11612 TPD limestone, considering 258 days of operation because of exigencies and rainy season, from the working faces to the crusher will be carried out by 35 tonnes capacity rear dumpers. The number of trips will be (as there will be 2 shifts @ 8 hrs for transportation) 332. The number of trips per hour is 20.</p> <p>This block has been auctioned without any end use. Hence, initially it is proposed to sell limestone to cement plants and end use industries as and when required by road and subsequently it is planned to construct our own cement plant nearby for which crushed limestone will be transported via covered conveyor belt.</p> <p>Traffic study was done at Katamateru to Matapaka road, Traffic Scenario and LOS are given below:</p> <table border="1" data-bbox="432 987 1383 1671"> <thead> <tr> <th colspan="5">Traffic Scenario and LOS (Level of Service)</th> </tr> <tr> <th>Katamateru to Matapaka Road</th> <th>V (Volume in PCU/hr)</th> <th>C (Capacity in PCU/hr)</th> <th>Existing V/C Ratio</th> <th>LOS</th> </tr> </thead> <tbody> <tr> <td>Existing</td> <td>07</td> <td>83</td> <td>0.08</td> <td>A</td> </tr> <tr> <td>3<sup>rd</sup> year</td> <td>7+18=25</td> <td>83</td> <td>0.30</td> <td>B</td> </tr> <tr> <td>4<sup>th</sup> year</td> <td>7 + 51 =58</td> <td>83</td> <td>0.70</td> <td>D</td> </tr> <tr> <td>5<sup>th</sup> year</td> <td>7 + 87 = 94</td> <td>83</td> <td>1.13</td> <td>E</td> </tr> <tr> <td>6<sup>th</sup> year onwards</td> <td>7+105 = 112</td> <td>83</td> <td>1.35</td> <td>E</td> </tr> </tbody> </table> <p>Traffic survey has been conducted on the village road connecting Katamateru to Matapaka Village and post-operational traffic scenario &amp; LOS has been calculated.</p> <p>Village road will be strengthened in consultation with local authority. However, it is proposed to transport crushed limestone via covered conveyor belt to proposed cement plant as &amp; when established. It will reduce traffic load on roads.</p> <p>It is also proposed to construct a new approach road merging to PWD road at Matapaka village for transportation of crushed limestone to proposed cement plant as well as other end users.</p>	Traffic Scenario and LOS (Level of Service)					Katamateru to Matapaka Road	V (Volume in PCU/hr)	C (Capacity in PCU/hr)	Existing V/C Ratio	LOS	Existing	07	83	0.08	A	3 <sup>rd</sup> year	7+18=25	83	0.30	B	4 <sup>th</sup> year	7 + 51 =58	83	0.70	D	5 <sup>th</sup> year	7 + 87 = 94	83	1.13	E	6 <sup>th</sup> year onwards	7+105 = 112	83	1.35	E
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	Other measures such as PUC certified trucks, covered tippers, no Overloading, Regular monitoring of the emission levels etc. will be undertaken.
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**xii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:**

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	CTE will be obtained as per MoEF&CC, OM dated 14.01.2025.
Consent to Operate	It will be obtained after grant of EC.
Certified Compliance Report and Inspection date	Not Applicable, as this is the greenfield project.
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	Not Applicable, as this is the greenfield project.

**xiii. Rehabilitation & Resettlement (R&R):**

R & R details	<p>There is no habitation falling within mine lease area, hence there is no need of displacement/resettlement because of proposed mining activities.</p> <p>Total mining lease area is 802.25 ha and based on the ownership of land can be classified into 3 categories i.e., Forest Land, Govt. land (Non-Forest) and Pvt./Agriculture land.</p> <ul style="list-style-type: none"> <li>✓ Stage I Forest Clearance under section 2 (1) ii of Van (Sanrakshan Evam Samvardhan) Adhinyam, 1980 for an area of 575.16 ha Forest Land [Proposal No. FP/OR/MIN/QRY/445466/2023] has been approved by MoEFCC, New Delhi vide Letter dated 16/02/2026.</li> <li>✓ The Govt. land will be dealt as per Odisha Govt. Land Settlement Act, 1962 and Odisha Govt. Land Settlement Rules, 1983.</li> <li>✓ Pvt./Agricultural land, ownership being Schedule Tribes, will be dealt as per Odisha Regulation No. 2 of 1956, The Odisha Scheduled Areas Transfer of Immovable Property (by Scheduled Tribes) Regulation, 1956 and ORTFCTLARR Rule, 2016 as required by section 112 of LARR Act, 2013 and The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006.</li> </ul>
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	<ul style="list-style-type: none"> <li>➤ The process for acquisition of land is yet to be initiated with the Competent Authority/District Collector and the decision along with the compensation as may be fixed will be adhered before transfer of the land to the company.</li> <li>➤ Complete transparency will be maintained in land acquisition. Total agreed compensation decided by Govt. Authority in above given steps, is proposed to be paid in three parts, however, the onus of accepting proposed approach lies with the land owners and approving authority of Govt. of Odisha/District Collector only.             <ol style="list-style-type: none"> <li>1. Lump payment (40%)</li> <li>2. Payment in the form of Fixed Deposit (40%)</li> <li>3. Payment in the form of Annuity (20%)</li> <li>4. Any other additional or modification in above mentioned payment terms as mutually agreed between the land owner/s</li> </ol> </li> </ul> <p>The LARR Act, 2013 and ORTFCTLARR Rule, 2016 serve as a guiding factor in acquisition of land. However, an illustration considering LARR Act, 2013, ORTFCTLARR Rule, 2016 an estimate of land budget for Pvt. Land owners is prepared. Estimated budget for R&amp;R is Rs. 8.74 Crore.</p>
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**xiv. Court case details:**

Court Case, No and its present status	PP has informed that Application No. 1669 of 2026 in W.P. (Civil) No.202 of 1996 has been filed against the instant project in Central Empowered Committee (CEC). Regarding the alleged contravention to Section 6 of the MMDR Act, 1957. The matter was heard in CEC on 09.04.2026 and the decision is awaited.
Undertaking by Project Proponent w.r.t court case	PP has submitted undertaking dated 10.04.2026 stating that it shall abide by any direction order, recommendation, or condition that may be issued by CEC in connection with the aforesaid application and proceedings.

**xv. Affidavit/Undertaking details:**

Affidavit as per Ministry's OM dated 30.05.2018	PP has submitted Affidavit dated 11.08.2023
Undertaking by Project Proponent in EIA/EMP report	PP has submitted undertaking dated 11.08.2023 is enclosed with EIA/EMP Report.
Undertaking by Consultant in EIA/EMP report	Consultant has submitted undertaking dated 14.08.2023 is enclosed with EIA/EMP Report.
Plagiarism Certificate	Plagiarism Certificate dated 14.08.2023 is enclosed with EIA/EMP Report.

**xvi. EDS/ADS details (If any):**

**A. PP has submitted point wise reply letter dated 19.02.2026 against the ADS raised on 27.10.2023.**

S. No.	ADS Point	Reply by Project Proponent
1.	Minutes of Meeting of 21 <sup>st</sup> EAC was uploaded on PARIVESH Web Portal and EAC “deferred the proposal and opined that the proposal may be considered only after the submission of the Stage – I Forest Clearance for an area of 575.16 ha of forest land by the Project Proponent.”	Stage I Forest Clearance has been obtained vide Proposal No. FP/OR/MIN/QRY/445466/2023, dated 16.02.2026 and copy of the same is submitted with ADS Reply.

**B. PP has submitted point wise reply letter dated 05.03.2026. against the ADS raised on 24.02.2026**

S. No.	ADS Point	Reply by Project Proponent
1.	As per notification dated 17.02.2020, the validity of ToR for Mining project is 4 years. PP obtained ToR for the instant project on 06.09.2018. Due to Ministry's notification, dated 18.01.2021 the validity extended for one year. PP needs to explain the ToR validity beyond 05.09.2023 since PP submitted the EC application on 27.09.2023	<p><b>Clarification Regarding Date of Submission of Application for Environmental Clearance</b></p> <p><b>The validity of the Terms of Reference (ToR) was up to 05.09.2023</b> for submission of the application for Environmental Clearance.</p> <p>In this regard, it is respectfully submitted that the application for Environmental Clearance along with the Final EIA/EMP Report (post Public Hearing) was submitted online on the PARIVESH 2.0 portal on <b>22.08.2023, which falls well within the validity period of the ToR.</b></p> <p>The following facts are submitted for kind consideration:</p> <ol style="list-style-type: none"> <li>1. The submission dated 22.08.2023 is evident from the online application form on the PARIVESH portal.</li> <li>2. A screenshot of the application form showing the date of submission as 22.08.2023, captured at the time of filing.</li> <li>3. The date of submission i.e., 22.08.2023 is also duly recorded in the Minutes of Meeting (MoM) of the 21st EAC (NCM) meeting held during 18–20 October</li> </ol>

S. No.	ADS Point	Reply by Project Proponent
		<p>2023 (MoM ID: EC/MOM/EAC/313507/10/2023).</p> <p>It is further submitted that due to a technical issue in the PARIVESH portal, the proposal was not visible in the Ministry's login for further processing. Upon noticing the issue, immediate steps were taken as detailed below:</p> <ul style="list-style-type: none"> <li>• A grievance was raised vide Ticket No. PAR-TIC-1970905 dated 25.09.2023.</li> <li>• An email was also submitted to the NIC Division on 25.09.2023. The grievance was duly acknowledged, and confirmation was received from the NIC team of Ministry of Environment, Forest and Climate Change (MoEFCC) that the issue would be resolved.</li> </ul> <p>The issue was subsequently resolved at the backend by NIC. Thereafter, the proposal was accepted and placed before the Expert Appraisal Committee (EAC).</p> <p>It is submitted that the date currently reflected on the portal as 25.09.2023 pertains to backend processing following resolution of the technical issue and does not represent any delay on the part of the Project Proponent.</p> <p>In view of the above, it is respectfully submitted that:</p> <ul style="list-style-type: none"> <li>• The proposal was filed within the valid ToR period, i.e., on 22.08.2023.</li> <li>• All procedural requirements under the EIA Notification have been duly complied with.</li> </ul> <p>Accordingly, it is requested that the date of submission may kindly be considered as <b>22.08.2023</b>. Relative documents submitted along with ADS Reply.</p>
2.	PP has obtained the Terms of Reference (ToR) on 06.09.2018 for a	<p><b>Clarification Regarding Variation in Mining Lease Area</b></p>

S. No.	ADS Point	Reply by Project Proponent
	<p>total mining lease (ML) area of 801.171 ha. However, the Environmental Clearance (EC) application has been submitted for ML area of 802.25 ha, as mentioned in the mining lease documents issued by the Government of Odisha vide letter dated 25.05.2023 and approved mining plan dated 07.08.2023. In view of this, PP is required to furnish a justification for submitting the EC application for an increased ML area without obtaining an amendment to the ToR dated 06.09.2018</p>	<p>The Terms of Reference (ToR) was granted for a Mining Lease (ML) area of <b>801.171 ha</b>, based on the Letter of Intent (LoI) issued for the auctioned block. Letter of Intent (LoI) was granted by the State Govt. vide letter dated 27.01.2017 over an area of 801.171 ha. At the time of pursuing Forest Clearance, re-validation of land schedule was done by Tehsildar, Malkangiri within the <b>same mine lease boundary</b> allotted under auction and total extent of the area changed from 801.171 ha to 802.25 ha. Accordingly, the Mining lease was granted, executed and registered for corrected area of 802.25 ha within the <b>same auctioned block boundary</b>. The change is detailed in the EIA/EMP report chapter 1 (Section 1.2.1 (D) page no. 34) &amp; 2 (Section 2.3.4; Page no. 46) and Mining Plan was also modified to this affect for the revised area &amp; its justification in Modification of Mining Plan Under Rule 17(3) Of MCR, 2016 in section 1.1.2: Mining Plan Submission Criteria Details, Reason/s For Modification.</p> <p>It is respectfully submitted that:</p> <ul style="list-style-type: none"> <li>• <b>The Mining lease boundary remains unchanged from the TOR/LOI area</b></li> <li>• <b>The DGPS coordinates remain unchanged from the TOR/LOI area</b></li> <li>• <b>No additional land outside the originally approved auctioned block boundary has been included</b></li> </ul> <p>The marginal variation in area is purely on account of reconciliation and correction of land records within the same lease boundary and <u>does not represent any physical expansion</u>.</p> <p>Further, it is submitted that:</p> <ul style="list-style-type: none"> <li>• The boundary coordinates are identical to those approved at ToR stage</li> <li>• There is no physical enlargement or alteration of the lease boundary.</li> <li>• The change has arisen solely due to land schedule reconciliation by the revenue authorities.</li> <li>• The minor variation in ML area is administrative in nature and does not constitute expansion or modification of the project.</li> </ul>

S. No.	ADS Point	Reply by Project Proponent
		<p>In view of the above, the Environmental Clearance (EC) application was filed without seeking amendment to the ToR.</p> <p><u>The same matter was deliberated during the previous meeting of the Expert Appraisal Committee (EAC) held on 18.10.2023, which was duly acknowledged, accepted by the EAC and recorded in the Minutes of the Meeting.</u></p> <p>Accordingly, considering above, EAC sought ADS for submission of Stage-I Forest Clearance, which have now been obtained and submitted.</p> <p>It is respectfully requested that the proposal may kindly be taken up for grant of Environmental Clearance for the project.</p> <p>Relative documents submitted along with ADS Reply.</p>

**C. PP has submitted point wise reply letter dated 31.03.2026. against the ADS raised on 20.03.2026**

S. No.	ADS Point	Reply by Project Proponent
1.	IA NCM Sector may take a clarification from FC Division of the Ministry with respect to the proposal of the PP to undertake mining in the non- forest area within the mining lease without obtaining FC stage-II for the forest area present in the mining lease (auctioned block).	<p>The instant proposal pertains to an auctioned mining lease comprising both forest and non-forest land. In this regard, it is respectfully submitted that Company intends to initiate mining operations strictly within the non-forest land falling inside the approved mining lease area as commencement of mining operation is time-bound within the auction frame-work i.e. by 25.05.2026 after obtaining Environmental Clearance. We undertake that any activity in the Forest land will be undertaken only after obtaining Stage-II/Final Forest Clearance and approval of subsequent Mining plan. As per the Guideline of Ministry of Environment, Forest &amp; Climate Change dated 03.02.2023 with the subject "Request for extending the guidelines for allowing commencement of mining operations in non-forest land before obtaining Stage-II FC for non-coal mining leases involving both forest and non-forest land similar to coal mines -reg." it states that....after obtaining the Stage-I approval, deposition of compensatory levies and environment clearance, the State/UT Government or authorities concerned should prepare a separate Mining Plan or execute a separate mining lease for full or part of non-forest land involved in the mining lease before allowing mining operations in the non-forest land of such mining leases." In compliance with the above, the following is submitted, <input checked="" type="checkbox"/></p>

S. No.	ADS Point	Reply by Project Proponent
		<p>Stage I Forest Clearance has been obtained vide Proposal No. FP/OR/MIN/QRY/445466/2023, dated 16.02.2026 and copy of the same is submitted. Mining plan has been modified and approved by Indian Bureau of Mines, Bhubaneshwar vide letter dated 28.01.2026 for working in non-forest area all mining activities are proposed entirely within Non-forest Land. No component of the mining activity in the non-forest area is dependent on the forest area. (Copy of mining plan is submitted). Net Present Value (NPV) amounting to Rs. 559813475/- (Fifty-Five Crore Ninety-Eight Lakh Thirteen Thousand Four Hundred and Seventy-Five Rupees Only) has also been deposited in the account of CAMPA on 23.05.2023. Receipt is submitted. Proposal for Environmental Clearance was submitted to MoEFCC on 22.08.2023 and is currently under process. Mining lased deed was executed &amp; registered vide certificate no. IN-OD06390510366081V dated 26.05.2023 after obtaining final Forest Clearance under section 2(iii).</p>
2	<p>PP needs to obtain permission from the District Administration/Local Authorities for widening of village roads to ensure smooth and safe passage of dumpers/trucks.</p>	<p>PP has obtained requisite permission from the Office of the Collector &amp; District Magistrate, Malkangiri (Odisha) (Touzi Section) vide Letter No. 105/XVIII-03/2026 dated 25.03.2026 for widening and strengthening of village roads to facilitate safe transportation. Copy of the permission letter is submitted.</p>
3	<p>PP needs to submit revised bund design to prevent silt discharge into Sabri/Kolab river in consultation with State Water Resource Department. Adequate safety measures shall also be proposed.</p>	<p>The project area falls under the jurisdiction of Potteru Irrigation Project, Balimela, Dist. Malkangiri, Water Resources Department, Govt. of Odisha. The revised bund design along with measures for silt control including plantation etc. has been approved by the Chief Construction Engineer, Potteru Irrigation Project, Balimela, Dist. Malkangiri, Govt. of Odisha vide e-mail dated 31.03.2026. The approved design incorporates comprehensive plan for grassing, three tier plantation and appropriate structures so that no silt flows from the project into the Sabri/Kolab River. E-mail communication from Chief Construction Engineer dated 31.03.2026 along with report of Superintending Engineer vide letter 593 dated 30.03.2026 and comprehensive Plan is submitted. Further, a Catchment Area Treatment (CAT) Plan for Sabri/Kolab River shall be prepared and submitted separately in</p>
4	<p>PP needs to submit a comprehensive plan with write up, drawings/photographs proposing grassing, three tier plantation and appropriate structures so that no silt flows from the project into the Sabri/Kolab River. PP need to explore for preparation of Catchment Area Treatment plan for the Sabri/Kolab River.</p>	<p>The project area falls under the jurisdiction of Potteru Irrigation Project, Balimela, Dist. Malkangiri, Water Resources Department, Govt. of Odisha. The revised bund design along with measures for silt control including plantation etc. has been approved by the Chief Construction Engineer, Potteru Irrigation Project, Balimela, Dist. Malkangiri, Govt. of Odisha vide e-mail dated 31.03.2026. The approved design incorporates comprehensive plan for grassing, three tier plantation and appropriate structures so that no silt flows from the project into the Sabri/Kolab River. E-mail communication from Chief Construction Engineer dated 31.03.2026 along with report of Superintending Engineer vide letter 593 dated 30.03.2026 and comprehensive Plan is submitted. Further, a Catchment Area Treatment (CAT) Plan for Sabri/Kolab River shall be prepared and submitted separately in</p>

S. No.	ADS Point	Reply by Project Proponent
		compliance with Forest Clearance conditions and implementation status of the same will be submitted under EC compliance.
5	PP needs to consult the State Water Resource Department/Irrigation Department/Local Administration regarding shifting of ponds constructed under Pradhan Mantri Krishi Sinchayee Yojana within the lease area.	PP has undertaken consultation with the concerned authorities regarding the shifting of ponds constructed under the Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) within the lease area. Necessary approvals/consents have been obtained from the following authorities: <ul style="list-style-type: none"> <li>Office of the Project Director, Watersheds (Deputy Director, Soil Conservation), Malkangiri, vide Letter No. 377/SC &amp; WD dated 25.03.2026. (submitted)</li> <li>Office of the District Fisheries Officer, Malkangiri, vide Letter No. 624 dated 25.03.2026. (submitted)</li> </ul>
6	PP needs to make a comprehensive PH action plan as per the commitments made during the Public Hearing. PP also needs to increase the number of activities under PH commitment and submit a revised PH action plan.	The Public Hearing (PH) Action Plan has been prepared in accordance with the commitments made during the Public Hearing. Further, in line with the deliberations and suggestions of the Expert Appraisal Committee (EAC), the scope of activities under the PH commitments has been enhanced, and a revised, comprehensive PH Action and Socio-Economic Developmental Plan has been prepared. The revised plan incorporates additional socio-economic development initiatives, with a special focus on livelihood enhancement, skill development, improvement of educational facilities, infrastructure development, and targeted interventions for Katamater village and its inhabitants. The detailed PH Action Plan, with a total budgetary provision of Rs. 6.25 Crore towards PH commitments, is given in the table below.

S.No.	Activities	Budget (Rs. in Lakh)	Year-1	Year-2	Year-3
<b>I. Livelihood Development</b>					
1.	Establishment of <b>01 Skill Development Centre</b> at Katamater Village including training equipment and training hall for vocational training	30	15	10	5
2.	<b>Employment-based training for 150 youth</b> (HEMM Driving, Motor Mechanic, Mobile Repairing, Electric Motor Winding etc.)	20	8	6	6

S.No.	Activities	Budget (Rs. in Lakh)	Year-1	Year-2	Year-3
3.	<b>Livelihood diversification through SHGs</b> – formation/strengthening of <b>12 SHGs</b> and support for NTFP processing (tamarind, mahua, sal seed etc.)	25	10	8	7
4.	<b>Women skill development training for 120 women</b> (tribal handicraft, stitching, computer literacy etc.) in nearby villages	20	7	7	6
5.	<b>Agricultural productivity programs for 150 farmers</b> training & Support on sustainable agriculture and <b>installation of 05 complete solar irrigation pump systems (5 HP capacity) @ ₹3.00 lakh per system</b> to promote energy-efficient irrigation and enhance agricultural productivity in nearby villages.	25	10	10	5
<b>Sub Total: I</b>		<b>120</b>	<b>50</b>	<b>41</b>	<b>29</b>
<b>II. Climate Action &amp; Biodiversity</b>					
6.	Rejuvenation/desilting of <b>05 village ponds</b> to increase water storage capacity and improve irrigation potential	50	20	20	10
7.	Construction of <b>8 check dams</b> (₹7 lakh each) and <b>12 gabion structures</b> (₹2.5 lakh each) for groundwater recharge and erosion control	86	30	30	26
8.	Installation of <b>250 artificial bird nest boxes</b> in forest patches and village boundaries including monitoring of nesting success by involving locals (₹2,000 per nest (Fabrication, installation & 3-yr monitoring))	5	2	2	1
9.	<b>Gap plantation in ~50 ha degraded forest patches</b> adjacent to ML area	100	30	30	40
<b>Sub Total: II</b>		<b>241</b>	<b>82</b>	<b>82</b>	<b>77</b>
<b>III. Social Infrastructure</b>					
<b>A</b>	<b>Community Infrastructure Development:</b>				
10.	Installation of <b>02 Mobile Network Signal Boosters</b> to improve connectivity in remote villages	8	4	4	-
11.	<b>Renovation/strengthening of rural road (5 km)</b> from Matapaka to Kamalapadar Village	35	20	15	-
12.	Installation of <b>15 kW Rooftop Solar Off-grid Systems</b> at Katamater School and nearby health centre	15	8	4	3
13.	Installation of <b>16 Solar Street Lights</b> (8 nos. in each village) and distribution of <b>80 Solar Lanterns</b> in Katamater and Matapaka villages	15	6	6	3
14.	Provision of <b>01 Public Transport Vehicle</b> connecting nearby villages to Malkangiri town	18	5	13	0

S.No.	Activities	Budget (Rs. in Lakh)	Year-1	Year-2	Year-3
	<b>Sub Total Community Infrastructure Development (A)</b>	<b>91</b>	<b>43</b>	<b>42</b>	<b>6</b>
<b>B</b>	<b>Water, Health &amp; Sanitation</b>				
15.	Installation of <b>10 Purified Drinking Water Units</b> at public places and in health centres in nearby villages	20	8	8	4
16.	Construction of <b>06 Community Toilets with water facility</b> in villages Matapaka, Koyagiri, Kotamataru, Dhakar Pali, Puruna Guda and Nandibeda	15	5	5	5
17.	Provision of <b>02 Water Tankers (10 KL capacity each)</b> for drinking water supply during summer months	15	7.5	7.5	0
	<b>Sub Total Water, Health &amp; Sanitation (B)</b>	<b>50</b>	<b>20.5</b>	<b>20.5</b>	<b>9</b>
<b>C</b>	<b>Healthcare Facilities</b>				
18.	Strengthening of <b>01 Govt. Health Sub-Centre</b> through supply of medical equipment (beds, ECG, X-ray, BP apparatus, oxygen cylinders etc.)	28	10	9	9
19.	Provision of <b>01 Ambulance with first aid facility</b> at Matapaka village	22	22	0	0
20.	Organisation of <b>06 free medical camps</b> (eye, dental and general health check-up) over 3 years	3	1	1	1
	<b>Sub Total Healthcare Facilities (C)</b>	<b>53</b>	<b>33</b>	<b>10</b>	<b>10</b>
<b>D</b>	<b>Education</b>				
21.	Upgradation of <b>02 Govt. Schools</b> including <b>15 smart boards, 20 computers, 60 desks/benches and internet facility</b>	30	10	10	10
22.	Establishment of <b>01 library in the School</b>	4	0	4	0
23.	Construction of <b>separate toilets for boys &amp; girls in 02 schools</b>	2	2	0	0
24.	Development of <b>01 playground and sports infrastructure</b> at Katamater village	10	3	3	4
25.	<b>Sports training for school students</b> (Badminton, Volleyball, Football, Archery etc.)	3	1	1	1
26.	<b>Scholarships for ~40 students</b> for higher education support (@Rs.1500 /month)	21.6	7.2	7.2	7.2
	<b>Sub Total Education (D)</b>	<b>70.6</b>	<b>23.2</b>	<b>25.2</b>	<b>22.2</b>
	<b>Sub Total: III (A+B+C+D)</b>	<b>264.6</b>	<b>119.7</b>	<b>97.7</b>	<b>47.2</b>
	<b>Grand Total: I + II + III</b>	<b>625.6</b>	<b>251.7</b>	<b>220.7</b>	<b>153.2</b>

**xvii. Details of the Environmental Management Plan (EMP):**

S. No.	Activities	Capital Cost (Rs. In Lakh)	Recurring (Rs. In Lakh)
<b>Mitigative Measures</b>			
1.	Permanent water sprinkling arrangements for main haulage road (Length 0.5 km)	15	3
2.	One tanker mounted water sprinkling system for other roads & mining activities	28	3
3.	Pollution Control Device (Bag filter at Crusher) Equipment and its installation Cost, Operation & Maintenance	25	4
4.	Water sprinkling system at crusher hopper and transfer point	2	0.1
5.	Drip irrigation system for fruit orchard (Length of drip system is 1000 m X 3 lines)	3	0.05
6.	Greenbelt along the 7.5m ML Periphery covering an area of 9.35 Ha with 23,375 nos of saplings	35	5
7.	Ø Plantation on Backfilled Area (72.75 Ha area with 1,81,875 nos of saplings)	-	22.3
	Ø Plantation around the Mine Infrastructure (Office, Crusher etc.) (4.292 Ha area with 10730 nos of saplings)		
	Ø Safety zone around magazine (23.827 ha area with 595678 nos of saplings)		
	Ø Plantation on upper two benches of void (27.04 Ha area with 67600 nos of saplings)		
	Total area is 127.909 Ha with 319773 nos of saplings and budget proposed Rs. 799.43 Lakh		
8.	Protective bund along the mine boundary towards the Sabri River covering (L*W*H = 3525m x 2.0m x 1.5m) will be prepared by using overburden for safety purpose	10	2
9.	Ø Construction of garland drains, settling tanks and siltation pits/sump around the mine working and dumps	40	2
	Ø Construction of retaining wall		

S. No.	Activities	Capital Cost (Rs. In Lakh)	Recurring (Rs. In Lakh)
10.	Installation of Modular STP	3.5	0.2
11.	Installation of Oil Water Separator & Workshop Waste Water Quality Analysis	3.5	0.5
12.	Development of Rainwater Harvesting System	5	0.5
13.	Procurement of the Blast Vibration Measuring Instrument & Noise level meter	6	0.15
<b>Sub-total</b>		<b>176</b>	<b>42.8</b>
<b>Monitoring</b>			
14.	Installation of 03 nos of Online Continuous Ambient Air Quality Monitoring Stations at mine site	120	10
15.	Installation of 4 piezometers along the periphery in the premises	10	0.5
16.	Ø Water quality and level monitoring at mine site and villages (10 locations)	5	2.5
	Ø Waste water quality monitoring		
17.	Ø Surface Water Quality Analysis (Upstream & downstream of Sabri/Kolab River & Mine Sump) 2 samples * half yearly	-	0.3
18.	Ø Workshop Waste Water Quality Analysis (Monthly) as well as maintenance of oil-water separators	5	0.5
19.	Ø The Peak particle velocity monitoring for nearest habitation i.e. Katamateru	3	0.5
	Ø Noise Level Monitoring in core and buffer zone		
<b>Sub-total</b>		<b>143</b>	<b>14.3</b>
<b>EMP Total Budget</b>		<b>319</b>	<b>57.1</b>
<b>C</b>	<b>Approved Budget for Site specific Wild Life Conservation Plan</b>	<b>956.16</b>	
<b>D</b>	<b>Estimated budget for addressing the Public Hearing Issues (within 3 years) and other Eco-developmental &amp; Social activities</b>	<b>625.6</b>	

S. No.	Activities	Capital Cost (Rs. In Lakh)	Recurring (Rs. In Lakh)
<b>E</b>	<b>Others</b>		
20.	Estimated budget for Construction of 5.0 km Road & strengthening for mineral transportation	200	50
21.	Digital mapping of entire mine area once in three years (Rs. 4.5 Lakh /survey)	2	1.5
22.	Occupational Health Check-up of Mines Employees & providing PPE to workers	10	2
23	Estimated cost for implementation of Catchment area treatment Plan	120	
24.	Estimated cost for River Bank Buffer Plantation	30	
	Total	2262.76	110.6
		(~22.63 Cr.)	(~1.11 Cr.)

**Revised Time bound Action Plan for addressing Issues raised during Public Hearing as per MoEF&CC, OM dated 30.09.2020 & 20.10.2020 and other Eco-developmental & Social activities**

S.No.	Activities	Budget (Rs. in Lakh)	Year-1	Year-2	Year-3
<b>I. Livelihood Development</b>					
1.	Establishment of <b>01 Skill Development Centre</b> at Katamater Village including training equipment and training hall for vocational training	30	15	10	5
2.	<b>Employment-based training for 150 youth</b> (HEMM Driving, Motor Mechanic, Mobile Repairing, Electric Motor Winding etc.)	20	8	6	6
3.	<b>Livelihood diversification through SHGs</b> – formation/strengthening of <b>12 SHGs</b> and support for NTFP processing (tamarind, mahua, sal seed etc.)	25	10	8	7
4.	<b>Women skill development training for 120 women</b> (tribal handicraft, stitching, computer literacy etc.) in nearby villages	20	7	7	6

S.No.	Activities	Budget (Rs. in Lakh)	Year-1	Year-2	Year-3
5.	<b>Agricultural productivity programs for 150 farmers</b> training & Support on sustainable agriculture and <b>installation of 05 complete solar irrigation pump systems (5 HP capacity) @ ₹3.00 lakh per system</b> to promote energy-efficient irrigation and enhance agricultural productivity in nearby villages.	25	10	10	5
	<b>Sub Total: I</b>	<b>120</b>	<b>50</b>	<b>41</b>	<b>29</b>
<b>II. Climate Action &amp; Biodiversity</b>					
6.	Rejuvenation/desilting of <b>05 village ponds</b> to increase water storage capacity and improve irrigation potential	50	20	20	10
7.	Construction of <b>8 check dams</b> (₹7 lakh each) and <b>12 gabion structures</b> (₹2.5 lakh each) for groundwater recharge and erosion control	86	30	30	26
8.	Installation of <b>250 artificial bird nest boxes</b> in forest patches and village boundaries including monitoring of nesting success by involving locals (₹2,000 per nest (Fabrication, installation & 3-yr monitoring))	5	2	2	1
9.	<b>Gap plantation in ~50 ha degraded forest patches</b> adjacent to ML area	100	30	30	40
	<b>Sub Total: II</b>	<b>241</b>	<b>82</b>	<b>82</b>	<b>77</b>
<b>III. Social Infrastructure</b>					
<b>A</b>	<b>Community Infrastructure Development:</b>				
10.	Installation of <b>02 Mobile Network Signal Boosters</b> to improve connectivity in remote villages	8	4	4	-
11.	<b>Renovation/strengthening of rural road (5 km)</b> from Matapaka to Kamalapadar Village	35	20	15	-
12.	Installation of <b>15 kW Rooftop Solar Off-grid Systems</b> at Katamater School and nearby health centre	15	8	4	3
13.	Installation of <b>16 Solar Street Lights</b> (8 nos. in each village) and distribution of <b>80 Solar Lanterns</b> in Katamater and Matapaka villages	15	6	6	3
14.	Provision of <b>01 Public Transport Vehicle</b> connecting nearby villages to Malkangiri town	18	5	13	0
	<b>Sub Total Community Infrastructure Development (A)</b>	<b>91</b>	<b>43</b>	<b>42</b>	<b>6</b>
<b>B</b>	<b>Water, Health &amp; Sanitation</b>				

S.No.	Activities	Budget (Rs. in Lakh)	Year-1	Year-2	Year-3
15.	Installation of <b>10 Purified Drinking Water Units</b> at public places and in health centres in nearby villages	20	8	8	4
16.	Construction of <b>06 Community Toilets with water facility</b> in villages Matapaka, Koyagiri, Kotamataru, Dhakar Pali, Puruna Guda and Nandibeda	15	5	5	5
17.	Provision of <b>02 Water Tankers (10 KL capacity each)</b> for drinking water supply during summer months	15	7.5	7.5	0
	<b>Sub Total Water, Health &amp; Sanitation (B)</b>	<b>50</b>	<b>20.5</b>	<b>20.5</b>	<b>9</b>
<b>C</b>	<b>Healthcare Facilities</b>				
18.	Strengthening of <b>01 Govt. Health Sub-Centre</b> through supply of medical equipment (beds, ECG, X-ray, BP apparatus, oxygen cylinders etc.)	28	10	9	9
19.	Provision of <b>01 Ambulance with first aid facility</b> at Matapaka village	22	22	0	0
20.	Organisation of <b>06 free medical camps</b> (eye, dental and general health check-up) over 3 years	3	1	1	1
	<b>Sub Total Healthcare Facilities (C)</b>	<b>53</b>	<b>33</b>	<b>10</b>	<b>10</b>
<b>D</b>	<b>Education</b>				
21.	Upgradation of <b>02 Govt. Schools</b> including <b>15 smart boards, 20 computers, 60 desks/benches and internet facility</b>	30	10	10	10
22.	Establishment of <b>01 library in the school</b>	4	0	4	0
23.	Construction of <b>separate toilets for boys &amp; girls in 02 schools</b>	2	2	0	0
24.	Development of <b>01 playground and sports infrastructure</b> at Katamater village	10	3	3	4
25.	<b>Sports training for school students</b> (Badminton, Volleyball, Football, Archery etc.)	3	1	1	1
26.	<b>Scholarships for ~40 students</b> for higher education support (@Rs.1500 /month)	21.6	7.2	7.2	7.2
	<b>Sub Total Education (D)</b>	<b>70.6</b>	<b>23.2</b>	<b>25.2</b>	<b>22.2</b>
	<b>Sub Total: III (A+B+C+D)</b>	<b>264.6</b>	<b>119.7</b>	<b>97.7</b>	<b>47.2</b>
	<b>Grand Total: I + II + III</b>	<b>625.6</b>	<b>251.7</b>	<b>220.7</b>	<b>153.2</b>
<b>NOTE: The nature of activities and villages may vary during the execution phase in consultation with local authorities/district administration/local demand &amp; necessity, within the overall proposed budget.</b>					

**xviii. Details of project cost and employment:**

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public Hearing)	<ul style="list-style-type: none"> <li>➤ Capital Cost for Environment Protection: Rs. 3.19 Crore/-</li> <li>➤ Budget for addressing the Public Hearing and other socio-economic developmental Issues: Rs. 6.256 Crore/-</li> <li>➤ Estimated Budget for Site Specific Wild Life Conservation Plan: Rs. 9.5616 Crore/-</li> <li>➤ Others: Rs. 3.62 Crore</li> <li>➤ Total Cost of EMP: 22.63 Crore</li> <li>➤ Recurring Cost for EMP (Crore/Annum): 1.11 Crore/Annum</li> </ul>
Project Cost	Rs. 245 Crores
Employment (Nos)	84 Persons

