



File No: SIA/TG/MIN/472419/2024

Government of India

Ministry of Environment, Forest and Climate Change

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



Dated 25/09/2024



To,

The General Manager (Sales & Marketing)
M/s. Telangana State Mineral Development Corporation Limited (4.95 Ha. Ordinary Sand Mine)
(Vijayanagaram I Sand reach)
H. No. 6-2-915, 4th Floor, Rear Block, HMWS&SB Premises, Khairathabad, Hyderabad – 500 004
tsmdc2018@rediffmail.com

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

Sir/Madam,

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006-regarding in respect of project M/s Telangana State Mineral Development Corporation Limited, Vijayanagaram-I sand reach - 4.95 Ha submitted to Ministry vide proposal number SIA/TG/MIN/472419/2024 dated 10/05/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C0107TG5738304N
(ii) File No.	SIA/TG/MIN/472419/2024
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vii) Name of Project	M/s. Telangana State Mineral Development Corporation Limited (4.95 Ha. Ordinary Sand Mine) (Vijayanagaram I Sand reach)
(viii) Name of Company/Organization	TSMDC
(ix) Location of Project (District, State)	Vijayanagaram-I Village, Manuguru (M), Badradri Kothagudem District
(x) Issuing Authority	SEIAA
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A and B) were

submitted to the Ministry for an appraisal by the State Environment Impact Assessment Authority(SEIAA) and Appraisal Committee (SEAC) in the Ministry under the provision of EIA notification 2006 and its subsequent amendments.

4. The State Level Expert Appraisal Committee (SEAC) examined the proposal in its meeting held on 29.06.2024 and based on the information furnished by the proponent, the presentation made by the Environmental Co-ordinator of M/s. Sri Sai Manasa Nature Tech Pvt. Ltd., Hyderabad, the committee recommended the proposal for grant of EC under the provision of EIA Notification, 2006 and as amended thereof.
5. The minutes of the meeting and all the Application and documents submitted [(viz. Form-1 Part A, Part B, Part C EIA, EMP)] are available on PARIVESH portal which can be accessed by scanning the QR Code above.
6. The SEIAA has examined the proposal in its meetings held on 15.07.2024 and after accepting the recommendations of the State Level Expert Appraisal Committee (SEAC), hereby decided to grant EC for instant proposal of M/s. Telangana State Mineral Development Corporation Ltd., 4.95 Ha, Vijayanagaram I Sand Reach under the provision of EIA Notification, 2006 and as amended thereof subject to submission of transport route and undertaking for compliance of additional conditions (1) This EC is valid for a period of (one) year from the date of issue of CFO by TGPCB, subject to the final order of the Hon'ble Court of law. The proponent shall comply with the orders issued by any court of law from time to time (2) The proponent shall submit transport route and shall avoid transport through the habitation/villages (3) The proponent shall develop greenbelt along the approach road and along the river bank (4) The TGMDC (Proponent) shall ensure the following and submit reports at the time of application for fresh Environmental Clearance (EC) : (i) The proponent shall carry out ground water analysis in the surrounding areas of mine before and after sand mining (ii) The proponent shall carry out replenishment studies as per the existing guidelines (iii) The proponent shall produce recorded evidence for the EMP activities undertaken and with stipulation of specific and general conditions as detailed in Annexure (1). The proponent vide letter dt: 12.08.2024 has submitted required information as sought by SEIAA.
7. The Ministry reserves the right to stipulate additional conditions, if found necessary.
8. The EC to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

9.	1.	Project Name:	M/s. Telangana State Mineral Development Corporation Limited, Vijayanagaram-I Sand Reach
	2.	Mine lease area:	Ordinary River Bed Sand Mine - 4.95Ha.
	3.	Proposal For:	EC Mining under 5 Ha.,
	4.	Category of the project	B2
	5.	Activity:	1(a) Mining of minerals
	6.	Project Location	Vijayanagaram-I, Manuguru Mandal, BadradriKothagudem District, Telangana
	7.	Latitude Longitude	18° 00' 11.71" N, 80° 49' 08.41" E, 18° 00' 07.22" N, 80° 49' 11.98" E, 18° 00' 12.18" N, 80° 49' 18.93" E, 18° 00' 17.60" N, 80° 49' 13.45" E
	8.	Nearest human habitation (Satellite image)	Lingala village which is at a distance of 1.40 km (NE)
	9.	Reserve Forest	Manuguru RF @ 2.90 km (SW) exists from the boundary of the sand reach.
	10.	Capital investment of the project	Rs. 75 Lakhs
	11.	Mining methodology	Manual open excavation
	12.	Maximum production capacity of the project / depth of sand mining	The depth of sand mining shall not exceed 2.0 m and the excavation of sand shall not exceed 99,000 m ³ /annum. The thickness of sand in the mining area shall be more than 8-9 m even after extraction of sand

13.	Life of the mine	1 Year from the date of CFO order.
14.	Water Pollution	The source of water is from River Godavari. Total water requirement is 5.0 KLD. Out of that, 1.0 KLD is used for Dust suppression, 1.0 KLD for development of green belt and 3.0 KLD for domestic purpose. Wastewater generated from the domestic section is to be disposed into septic tank followed by soak pit.

The project is exempted from the process of public hearing as the mining lease area is less than 5 Ha., as per provisions laid under EIA Notification, 2006 & its subsequent amendments. Based on the information furnished, presentation made by the proponent and the consultant; Mining lease vide letter dated: 06.10.2023 of District Collector & Chairman, DLSC, Bhadrachari Kothagudem District; Scrutinized/Approved Mining Plan dt. 05.02.2024; Joint Inspection Report; Lr.dt. 06.06.2024 of ADMG (I/c), Bhadrachari Kothagudem District informing that there are no existing sand bearing areas falling within 500m from the proposed quarry lease.

10. The funds earmarked for environmental protection measures is Capital **Rs. 7.50 lakhs and Recurring cost: Rs. 3.80 Lakhs/annum** should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Integrated Regional Office located at Hyderabad. The proponent shall strictly follow the OM No.22-65/217-IA.III, dt: 25.02.2021 and implement the commitments made by project proponent as a part of CER contained in EIA/EMP report.

Copy To

1. The Chairman, SEAC, TG for kind information.
2. The Member Secretary, TGPCB for kind information.
3. The EE, RO: Kothagudem, TGPCB for information.
4. The IRO, MoEF&CC, GoI, Hyderabad for kind information.
5. The Secretary, MoEF&CC, GoI, New Delhi for kind information.
6. The Director of Mines & Geology Dept., Hyderabad for kind information.

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Specific

S. No	EC Conditions
1.1	Mining will be carried out as per the approved Mining Plan. In case of any violation of Mining Plan the Environmental Clearance given by SEIAA will stand cancelled
1.2	Mining activity shall be done manually only
1.3	Precise mining area will be jointly demarcated at site by officials of Mining / Revenue department prior to mining operations for all proposals under consideration
1.4	The project proponent will ensure necessary protection measures around the mine pit, waste dumps
1.5	No sand mining activity shall be carried out during the rainy days

S. No	EC Conditions
1.6	It shall be ensured that sand mining does not in any way disturb the flow pattern of the river water
1.7	Sand quarrying shall not be carried out in streams within 15 meters or 1/5 of the width of the stream bed from the bank, whichever is more
1.8	Sand mining shall not be carried out within 500m of any existing structure such as bridges, dams, weirs, ground water extraction structure(s) either for irrigation or drinking water purposes, or any other cross drainage structure
1.9	Sand mining operations shall not affect the existing sources for Irrigation or drinking water or industrial purpose
1.10	Vehicles carrying sand shall not ply over the flood banks except at crossing points or bridges or on a metal road. The emissions from the vehicles shall be maintained within the emission norms
1.11	To assess the sand thickness, the Mines & Geology Department shall map out the area establishing the width and depth / thickness of the sand
1.12	The vehicles shall not be overloaded. The trucks shall be covered with Tarpaulin to minimize dust / sand particle emissions
1.13	Personnel working in the project shall be provided with personnel protection devices such as masks, gloves etc.,
1.14	Transportation of sand from mine lease area shall be done during day time only
1.15	The proponent shall obtain necessary permission from the River Water Conservator
1.16	The proponent shall take necessary measures to ensure no adverse impacts due to mining operations on the human habitation existing nearby
1.17	A separate Environment Management cell with suitable qualified persons shall be setup to implement various environmental protection measures
1.18	The proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoE&F, GoI on 16.11.2009
1.19	Sand mining shall not be carried out below the ground water table under any circumstances
1.20	Hydro geological studies in the mine lease area are to be carried out by the Ground Water Department
1.21	Regular monitoring of Ground Water level shall be carried out in and around the mine lease area to assess the quality of ground water
1.22	The proponent shall comply with any other conditions stipulated by the Dept. of Mines & Geology, Govt. of Telangana and other concerned statutory Authority / Department
1.23	While taking afforestation activity under EMP, the project proponent shall consider giving priority

S. No	EC Conditions
	to indigenous and evergreen species having more foliage / green cover to absorb dust and other particles around mining area. Plantation shall be undertaken on either sides of the approach katcha path (through which the vehicles ply) between the bund of the river and the main road
1.24	The proponent shall comply with the “Sustainable Sand Mining Management Guidelines, 2016” issued by the MoEF&CC, GoI

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

S. No	EC Conditions
1.1	The Environmental clearance shall be subject to orders of Hon’ble Supreme Court of India, Hon’ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project
1.2	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
1.3	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.4	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
1.5	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
1.6	The project proponent shall obtain the necessary permission from the Central Ground Water Authority
1.7	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.
1.8	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.
1.9	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.10	This EC is valid for a period of (1) year from the date of issue of CFO by TGPCB.

2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions
2.1	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO ₂ and NO _x . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the TGPCB
2.2	Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/TGPCB.
2.3	Transportation of ordinary sand, to the extent if permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water sprinkling/rain gun/ Fog cannon /mist sprinkling etc., shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the ordinary sand transport roads, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.
2.4	Major approach roads shall be black topped and properly maintained.
2.5	PP to install solar lights along the road used for transportation of ordinary sand to avoid the accidents at night and also seek its maintenance.
2.6	The transportation of ordinary sand shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the ordinary sand through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed that the impact of sound, dust and accidents could be appropriately mitigated.
2.7	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.
2.8	ordinary sand stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.
2.9	ordinary sand handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.
2.10	Adequate number of Fog canon (mist sprayer) shall be installed to reduce the impact of air pollution at dust generating sources with time bound action plan.
2.11	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction.
2.12	Post environmental closure third party monitoring by reputed instituted in air quality, water,

S. No	EC Conditions
	land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuous AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.

3. Water Quality Monitoring And Mitigation Measures

S. No	EC Conditions
3.1	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 and as amended from time to time by the Central Pollution Control Board.
3.2	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-IA.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
3.3	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
3.4	Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.
3.5	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.
3.6	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.
3.7	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff
3.8	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly
3.9	Industrial waste water from ordinary sand handling plant and mine water shall be properly collected

S. No	EC Conditions
	and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made thereunder, and as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluent. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste water.
3.10	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
3.11	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS.
3.12	The project proponent shall take all precautionary measures to ensure reverian/ riparian ecosystem in and around the ordinary sand mine upto a distance of 5 km. A reverian /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.
3.13	Domestic water shall be providing to the residents/villages which are coming under the zone of influence of the project due to ground water extraction by installing a RO plant with proper supply line and Taps within 2 years
3.14	No obsolete technologies for sewage treatment shall be implemented. Construction of Sewage Treatment Plant with latest technology should be completed within 2 years and treated water shall be reused for plantation. CTE and CTO of STP shall be obtained as per the norms.

4. Noise And Vibration Monitoring And Prevention

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

5. Mining Plan

S. No	EC Conditions
5.1	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
5.2	No change in mining method i.e. UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).
5.3	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to ordinary sand mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
5.4	Underground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standards.
5.5	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.
5.6	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.
5.7	Transportation by Railway Siding shall be developed to avoid transportation by Road

6. Land Recalculation

S. No	EC Conditions
6.1	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).
6.2	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for Preparation of Mine Closure Plan and subsequent amendments.
6.3	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.
6.4	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office

S. No	EC Conditions
	of MoEF&CC, CPCB and TGPCB.
6.5	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.
6.6	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.
6.7	Native tree species shall be selected and planted over areas affected by subsidence.
6.8	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.

7. Public Hearing And Human Health Issues

S. No	EC Conditions
7.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.
7.2	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
7.3	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
7.4	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.
7.5	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.
7.6	Implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.
7.7	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.I1 (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'.

S. No	EC Conditions
7.8	PP to conduct need based assessment survey of the area to for in order to decide the activities to be carried under the CSR and to provide detail of the activity carried out with adequate budgetary provision and time bound action plan.
7.9	PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions in defined populations).
7.10	Permanent Health care facilities of Hospital should be established within 5 km of project boundary for the local people.
7.11	PP must ensure an emergency action plan during pandemic in order to provide assistance to the nearby villages located within the 10 km radius buffer zone (If required)
7.12	PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone with time bound action plan
7.13	PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius

8. Corporate Environment Responsibility

S. No	EC Conditions
8.1	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.
8.2	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
8.3	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
8.4	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
8.5	PP 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 which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non- compliance or infringement should be reported to the concerned authority

9. Miscellaneous

S. No	EC Conditions
9.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
9.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
9.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
9.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
9.5	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
9.6	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
9.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9.8	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9.9	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
9.10	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
9.11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
9.12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
9.13	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by

S. No	EC Conditions
	furnishing the requisite data / information/monitoring reports.
9.14	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
9.15	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.
9.16	Compensation of the land acquired for the project shall be settled as per the R&R Policy. Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.
9.17	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.
9.18	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours
9.19	The proponent shall comply with Plastic Waste Management Rules, 2016 & also comply with MoEF& CC Notification No: G.S.R. 571 (E), dated: 12.08.2021 which mandated banning of usage of identified Single Use Plastic items with effect from 01.07.2022.
9.20	As per G.O.Ms. No.8, dt: 02.08.2018, the SEIAA of Telangana shall monitor compliance of the stipulated conditions through the Telangana Pollution Control Board.

Additional EC Conditions

1. The proponent shall submit transport route and shall avoid transport through the habitation/villages.
- 2 The proponent shall develop greenbelt along the approach road and along the river bank.
3. The TGMDC (Proponent) shall ensure the following and submit reports at the time of application for fresh Environmental Clearance (EC):
 - i. The proponent shall carry out ground water analysis in the surrounding areas of mine before and after sand mining.
 - ii. The proponent shall carry out replenishment studies as per the existing guidelines.
 - iii. The proponent shall produce recorded evidence for the EMP activities undertaken

Annexure 2

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
Ordinary Sand	Ordinary Sand	99000	Cubic meter per annum	Road	NA

