

REGD.POST WITH ACK.DUE

Order No. SEIAA/TS/OL/ADB-01/2016 - 770

Dt:26.04.2018

Sub: SEIAA, Telangana - 32.63 Ha. Pimperkunta Manganese Mine of M/s. Balaji Electro Smelters Ltd., Sy. No. 139/P, 140/P, 141/P, 142/P, 143/P, 144, 145 & 154, Pimperkunta (V), Tamsi (M), Adilabad District - Environmental Clearance - Issued - Reg.

I. This has reference to your application submitted online on 08.11.2016 (proposal no. SIA/TG/MIN/17707/2016) received 19.11.2016 and subsequent application submitted online on 13.03.2018 (proposal no. SIA/TG/MIN/22334/2016) received 23.03.2018 seeking Environmental Clearance for the proposed **Pimperkunta Manganese Mine** in favour of **M/s. Balaji Electro Smelters Ltd., Sy. No. 139/P, 140/P, 141/P, 142/P, 143/P, 144, 145 & 154, Pimperkunta (V), Tamsi (M), Adilabad District**. It was reported that the nearest human habitation viz., Pimperkunta (V) exists at a distance of about 0.5 km from the mine lease area. It was also reported that nearest RF i.e., Tamsi RF exists at 7.2 km and nearest water body i.e., Mathadi Vagu exists at a distance of 5.2 km from the mine lease area. It was noted that the capital investment of the project is Rs. 100.0 Lakhs and maximum capacity of the project is as follows:

Mining of Manganese – 2,652 TPA

- II. It is a semi-mechanized opencast quarry. After breaking the mineral into required size by drilling and blasting, it is directly loaded into the trucks. No beneficiation of the ore / mineral is proposed. It is reported that the life of the Mine is estimated as 4 years. The total mine lease area is 32.63 Ha.
- III. The proposal has been examined and processed in accordance with EIA Notification, 2006 and its amendments thereof. The State Level Expert Appraisal Committee (SEAC) examined the application, in its meetings held on 30.12.2016 & 03.04.2018. The proponent undergone the process of public hearing on 08.02.2018. Based on the information furnished, presentation made by the proponent and the consultant M/s. Pragathi Labs & Consultants Pvt. Ltd.; Minutes of Public Hearing and response of the proponent on issues emerged in public hearing; In-principle grant of quarry lease by the ADMG, Mancherla vide Procds. dt. 15.09.2004 for a period of 20 years; Approved Mining Plan; the Committee considered the project and recommended for issue of EC. The State Level Environment Impact Assessment Authority (SEIAA) in its meeting held on 12.04.2018 examined the proposal, recommendations of SEAC, Telangana for issue of Environmental Clearance. Accordingly, after discussions in the matter and considering the recommendations of the SEAC, Telangana, **the SEIAA, Telangana hereby accords prior Environmental Clearance to the project** as mentioned at Para no. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following specific and general conditions:

A. Specific Conditions:

a) Air Pollution:-

- i. Wet drilling method shall be adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust.
- ii. While taking afforestation activity under EMP, the project proponent shall develop greenbelt along the boundary of mining lease area and consider giving priority to indigenous and evergreen species having more foliage / green cover to absorb dust and other particles around mining area.

- iii. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- iv. 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.
- v. The following measures are to be implemented to reduce air pollution during transportation of mineral:-
 - Roads shall be graded to mitigate the dust emission.
 - Crusher platform will be covered with GI sheets to arrest any dust emission.
 - Over filling of tippers and consequent spillage on the roads shall be avoided. The trucks shall be covered with tarpaulin.
 - Water shall be sprinkled at regular interval on the main haul road and other service roads by water sprinklers to suppress dust.
- vi. The following measures are to be implemented to reduce Noise pollution:-
 - Proper and regular maintenance of vehicles and other equipment
 - Limiting time exposure of workers to excessive noise.
 - The workers employed shall be provided with protection equipment and earmuffs etc.
 - Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.
- vii. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010; dt. 11.01.2010 issued by the MoE&F, GOI to control noise to the prescribed levels. Workers engaged in operations of HEMM, etc should be provided with ear plugs/muffs.
- viii. The proponent shall take all precautionary measures for safety of Human & Animal life in the immediate vicinity of the Mine w.r.t. their mining activity as Blasting operations are involved.
- ix. Fencing shall be provided all around the working mine area.

b) Water Pollution:-

- i. The source of water is through tankers from nearby village. Total water requirement is 8.3 KLD. Out of that, 4.3 KLD is used for Dust Suppression; 3.0 KLD is used for development of greenbelt; 1.0 KLD is used for domestic purpose. Wastewater generated from the domestic section is to be disposed into septic tank followed by soak pit.
- ii. Garland drain and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.
- iii. Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells by the project proponent in and around project area in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Data thus collected should be sent at regular interval to MoEF, CGWA and CGWB, Southern, Region, Hyderabad.
- iv. Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Suitable measures should be taken for rainwater harvesting.
- v. Permission from the competent authority should be obtained for drawl of ground water, if any, required for this project.

c) Solid Waste :-

- i. Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.
- ii. Separate area shall be demarcated for overburden and refilling.
- iii. The following measures are to be adopted to control erosion of dumps:-
 - Retention/toe walls shall be provided at the foot of the dumps.
 - Worked out slopes are to be stabilized by planting appropriate shrub/grass species on the slopes.
- iv. Waste oils, used oils generated from the EM machines, mining operations, if any, shall be disposed as per the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 to the Recyclers authorized by TSPCB.
- v. The proponent shall not dump any waste from their Mining activity outside their mine lease area under any circumstances and shall take all precautionary measures to avoid entry / dumping of any waste from their Mining activity into the nearest water bodies, if any.

B. General Conditions:

- i. **This order is valid for a period of 4 years OR the expiry date of mine lease period issued by the Government of Telangana OR life of mine, whichever is earlier.** It was reported that the life of the mine 4 years.
- ii. A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the SEIAA and MoEF&CC, GoI, 5 years in advance of Final Mine Closure.
- iii. "Consent for Establishment" & "Consent for Operation" shall be obtained from Telangana State Pollution Control Board under Air and Water Act to carry on mining.
- iv. The environment safeguards contained in the EIA Report should be implemented in letter and spirit. The responsibility of implementation of environmental safeguards rests fully with the proponent i.e., M/s. Balaji Electro Smelters Ltd.
- v. All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
- vi. The proponent shall comply with any other conditions stipulated by the Dept. of Mines & Geology, Govt. of Telangana and other concerned statutory Authority / Department.
- vii. No change in mining technology and scope of working should be made without prior approval of the SEIAA, T.S. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, Telangana / MoE&F, GoI, New Delhi, as applicable.
- viii. The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA; TSPCB and CCF, Regional office of MoEF&CC, GoI, Chennai on 1st June and 1st December of each calendar year.
- ix. Officials from the TSPCB and Regional Office of MoEF&CC, GoI, Chennai who would be monitoring the implementation of environmental safeguards should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the TSPCB and CCF, Regional Office to MoEF&CC, GoI, Chennai.

- x. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
- xi. Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Chennai and the State Pollution Control Board/ Central Pollution Control Board once in six months.
- xii. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- xiii. The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.
- xiv. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- xv. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- xvi. The funds earmarked for environmental protection measures (Capital cost of Rs 10.34 lakhs & Recurring cost of Rs. 5.98 lakhs/annum) should be kept in separate account and should not be diverted for other purpose. The budget allocated for the EMP shall be subsequently increased if the project cost increases at the time of CFO. Year wise expenditure should be reported to the Ministry and its Regional Office located at Chennai and TSPCB.
- xvii. The project proponent shall submit the copies of the environmental clearance 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.
- xviii. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, Telangana.
- xix. The proponent shall explicitly follow all the suggestions & commitments made in the public hearing in protection of the environment and also commitments made by the proponent.
- xx. The proponent shall obtain all other mandatory clearances from respective departments.
- xxi. 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.
- xxii. Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xxiii. The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

xxiv. 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.

Sd/-
MEMBER SECRETARY
SEIAA, T.S.

Sd/-
MEMBER
SEIAA, T.S.

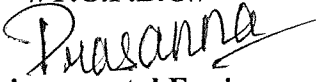
Sd/-
CHAIRMAN,
SEIAA, T.S.

To

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(32.63 Ha. Pimperkunta Manganese Mine),
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Copy to:

1. Prof. Ch. Krishna Reddy, Chairman, SEAC, T.S. for kind information.
2. The Member Secretary, TSPCB for kind information.
3. The EE, RO: Nizamabad, TSPCB for information.
4. The Regional Officer, MoEF&CC, GOI, Chennai for kind information.
5. The Secretary, MoEF&CC, GOI, New Delhi for kind information.
6. The Director of Mines & Geology Dept., for kind information.

//T.C.F.B.O//

Environmental Engineer
RAS

