



**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY,
(SEIAA), ORISSA.**

(Constituted vide order No. S.O. 2674 (E) Date 17th Nov. 2008 of Ministry of Environment & Forest, Govt. of India, Under Environment Protection Act, 1986.) Qr. No. 5RF-2/1, Unit-IX, Bhubaneswar-751022
E-mail-seiaaorissa@gmail.com, Website - www.orissaseiaa.gov.in

Ref. No. _____

Dt. _____

SEIAA – 235/10

From

Bhagirathi Behera, IFS
Director, Environment-cum-
Spl. Secretary to Government
& Member Secretary, SEIAA, Orissa

To

Sri Kunal Kishore Das
29, Saheed Nagar,
Bhubaneswar-751007
Phone No- 0674-2548768
Fax-0674-2549477
[E-mail- mrunaldas29@gmail.com](mailto:E-mail-mrunaldas29@gmail.com)

Sub: Environmental Clearance for production of 2462 TPA of manganese ore over an area 18.494 ha. of M/s Anajore Manganese Ore Mines at village Anajore in the district of Rayagada.

Sir,

This has reference to your letter no. KKD/02/08 dated 16.02.2008 along with the application in the prescribed format submitted to MoEF, Govt. of India and subsequent letters no. KKD/33/10 dated 23.09.2010, no. KKD/03/11 dated 24.02.2011, no. KKD/14/11 dated 19.04.2011 and no KKD/29/11 dated 19.08.2011 on the above mentioned subject I am directed to say that the State Environment Impact Assessment Authority, Orissa have considered the application for the proposed for production of 2462 TPA of manganese ore of M/s Anajore Manganese Ore Mine at village Anajore, District Rayagada over ML area 18.494 ha. Anajore Manganese Ore Mine lease of Sri Kunal Kishore Das is located in village Anajore under Bisam Cuttack Tahasil of Rayagada district, Orissa. No forest land is involved in this project. Mining plan has been approved by IBM, BBSR vide letter no-MPM/MAN/03-ORI/BHU/2010-11. The mining lease deed was executed on 09.07.2004 and registered on 14.09.2004 for 20 years. The present mining plan is valid upto 2011. Working is open cast manual. Life of mine is 9 years. Water requirement is 15m³/day. ToR has been approved by MoEF, Govt. of India vide letter no. J-11015/137/2008-IA.II(M) on 31st October, 2008. Public hearing was conducted on 19.05.2010. The proposal was placed in the SEAC meeting held on 3rd & 4th March, 2011. The consultant M/s CEMC (Pvt.) Ltd., Bhubaneswar, presented the proposal. The committee decided to consider the proposal after receipt of certain

information/document/clarification from the proponent. The proponent furnished the information/ document /clarification and the committee verified the same.

Based on the information / documents and clarifications furnished by the proponent and on recommendation of SEAC, Orissa, the State Environment Impact Assessment Authority, Orissa hereby accords Environmental Clearance in favour of the project for a period of 5 (five) years under the provisions of the Environment Impact Assessment Notification, 2006 and 2009 and subsequent amendments thereto under various MoEF, Govt. of India circulars thereunder and subject to the following stipulated conditions.

Stipulated Conditions:-

- 1) The applicant (Project Proponent) will take necessary measures for prevention, control and mitigation of Air Pollution, Water Pollution, Noise Pollution and Land Pollution including solid waste management as mentioned by him in Form-1, Final EIA reports and Environment Management Plan (EMP) in compliance with the prescribed statutory norms and standards.
- 2) The applicant will take necessary steps for socio economic development of the people of the area on need based assessment for providing employment, education, health care, drinking water and sanitation, road and communication facilities etc. after a detailed primary socio-economic survey.
- 3) The applicant will comply to the points, concerns and issues raised by the people during public hearing on 19.05.2010 in accordance with the commitments made by him thereon.
- 4) The applicant will take statutory clearance /approval /permissions from the concerned authorities in respect of his project as and when required.
- 5) For post environmental clearance monitoring, the applicant will submit half-yearly compliance report in respect of the stipulated terms and conditions of Environmental Clearance to the State Environmental Impact Assessment Authority (SEIAA), Orissa on 1st June and 1st December of each calendar year.
- 6) The core zone should be monitored intensively with no. of stations as prescribed by CPCB, Delhi and unit of pollutant level should be expressed as NAAQ of CPCB, Delhi. The detailed methodology adopted for analysis of samples shall be clearly indicated.
- 7) The proponent shall submit baseline data on flora & fauna and CSR activities already carried out within three months to the SEIAA.
- 8) The following shall be implemented viz. (a) dump run-off should be diverted into settling ponds (b) adequate rain water harvesting and ground water recharging facilities should be developed in the core zone; (c) attempt should be made to achieve zero water balance.
- 9) Maintenance of roads through which transportation are undertaken shall be carried out by the project proponent regularly at its own cost.
- 10) Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records shall be submitted to the SEIAA, Orissa.
- 11) Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.

- 12) Transportation shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of ore/ dust takes place.
- 13) Rain water harvesting shall be undertaken to recharge the ground water source.
- 14) Monitoring of ground and surface water quality shall be regularly conducted and records should be maintained and data shall be submitted regularly to the SEIAA, Orissa.
- 15) The proponent shall ensure that no silt originating due to mining activity is transported in the surface water course. Measures for prevention and control of soil erosion and management of silt shall be undertaken, protection of dumps against erosion shall be carried out with geo textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
- 16) Trenches /garland drains shall be constructed at foot of dumps to arrest silt from being carried to water bodies. Adequate number of check dams shall be constructed across seasonal/perennial nallahs (if any) flowing through the ML area and silts be arrested. De-silting at regular intervals shall be carried out.
- 17) Provision shall be made for the housing of the labourers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- 18) Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. The proponent shall engage a full time qualified doctor who is trained in occupational health. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures undertaken (at interval of five years or less) shall be conducted followed by follow up action wherever required. Occupational Health Centre shall be established near the mine site itself.
- 19) This Environmental clearance is subject to Forest Clearance under the Forest (Conservation) Act, 1980.
- 20) The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table.
- 21) The top soil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long (not more than 3 years). The topsoil shall be used for land reclamation and plantation.
- 22) The funds earmarked for the environment protection measures shall be judiciously utilized. Under no circumstances this funds shall be diverted for other purposes. Year-wise expenditure for this fund should be reported to the SEIAA, Orissa.
- 23) The critical parameters in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, pH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the company in public domain. The circular No.J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.

- 24) The project proponent shall obtain necessary prior permission of the competent authorities for drawal of requisite quantity of water (surface water and ground water) required for the project.
- 25) The above mentioned stipulated conditions shall be complied in time bound manner. Failure to comply with any of the conditions mentioned above may result in withdrawal of this environmental clearance and attract penal action under the provisions of Environment Protection (EP). Act, 1986.

Member Secretary

Memo No _____/Dt. _____

Copy to

1. Ministry of Environment & Forests, Govt. of India, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi for kind information.
2. Principal Secretary, Forests & Environment Dept., Government of Orissa for kind information.
3. Chairman, State Pollution Control Board, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for kind information.
4. Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment & Forests, A-31, Chandrasekharapur, Bhubaneswar for kind information.
5. Chairman, Central Pollution Control Board, CBD-cum-office Complex, East Arjun Nagar, New Delhi-110032 for kind information.
6. Collector & District Magistrate, Rayagada for kind information and necessary action.
7. Chairman/Member/Member Secretary, SEIAA for kind information.
8. Chairman, SEAC/Secretary, SEAC, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for kind information.
9. Guard file for record.

Member Secretary