

State Level Environment Impact Assessment Authority



Madhya Pradesh Government of India Ministry of Environment & Forests

Madhya Pradesh Pollution Control Board

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Tel:0755-2466970

No: 213/EPCO-SEIAA/08

Date:22/11/08

To,

M/s Rio Tinto Exploration India Ltd

2nd Floor, DLF Centre
Sansad Marg,
New Delhi- 110 001

Sub:- Environmental clearance for Beneficiation Plant for Bunder Prospecting Block at Chhatarpur District, Madhya Pradesh by M/s Rio Tinto Exploration India Ltd

This has reference to your letter no. nil dated 23-04-2007 along with the application in the prescribed format (Form-1) and a copy of the project report to prescribe the ToRs for undertaking detailed EIA study for the purpose of obtaining environmental clearance under the provisions of the EIA Notification, 2006 in respect of the above mentioned project. After due consideration of the documents submitted by the project proponent and the presentation made before the EAC of MOEF on 18th to 20th July 2007, TORs were issued.

2. The proposal is for bulk sample processing plant for beneficiation of samples raised during prospecting of kimberlite. The rated annual processing capacity is 25,000 tonnes. The area of the plant will be 2.66 ha, which is an agriculture land. An area of 0.55 ha will be used for construction of two tailing ponds. A water storage capacity of 60 Kl will be created. The water requirement is estimated as 240 KLD, which will be obtained from two tube wells in the area having a yield of about 24 kl/hr. The site clearance for prospecting of diamond, gold and associated minerals was granted by MoEF on 26th May, 2006. Life of the plant is 3 years.

3. Based on the information contained in the documents submitted and the presentation made before the State Expert Appraisal Committee (SEAC) on 19th Aug. 2008 and 25th Sept. 2008 and State Level Environment Impact Assessment Authority (SEIAA) of Madhya Pradesh in their respective meeting held on 16th Sept. and 16th Oct. 2008, accord the environmental clearance on the following conditions:-

A. Specific Conditions

- i. No activity related to the proposed plant operations should be conducted within the forest area.
- ii. The waste generated from the process plant should be disposed off in a scientific way by filling it in abandoned quarries or in buildings and road works by the project proponent after the approval of competent authority .
- iii. Regular monitoring of groundwater level and quality should be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity should be done four times a year in pre-monsoon (May), Monsoon (August) , post monsoon(November) and winter(January) seasons and for quality in May. Data thus collected should be submitted to the MOEF's and CGWB's Regional offices quarterly within one month of monitoring.
- iv. During monsoon season the rain water may overflow from tailing pond. It should be ensured that this overflow water is not contaminated with plant rejects.
- v. No process water should be released to the environment as committed in the project document.
- vi. Top soil should be stacked properly with proper slope at earmarked sites and should not be kept active and should be used for reclamation and development of green belt.
- vii. One third area should be developed as green belt. Trees planted along the sides of the plot to check dust particles. Fruit bearing trees should be planted as agreed by project proponent during public hearing.
- viii. The company shall put up artificial ground water recharge measures for augmentation of groundwater resource. The project authorities should meet water requirement of nearby villages in case the village wells go dry due to excessive ground water draft.

- ix. Dust generated due to transport of samples to the site should be minimized by covering the trucks with tarpaulin. Stock at site should also be covered to check dust due to wind. Samples should be pre wet with sprays before crushing.
- x. No fresh drinking water should be used for sprinkling to control dust particles. Only recycled water should be used as committed in project document.
- xi. All roads within the project boundary should be made of cement concrete to check the dust pollution in and around the project area.
- xii. As per the closure plan mentioned in the project proposal, the land use of the tailing ponds after closure will be agriculture. It should be strictly adhere to.
- xiii. Project authorities as far as possible should promote employment to local people as a social obligation.

B. General Conditions

- i. Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for RPM, SPM, SO₂, NO, monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.
- ii. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Ministry including its Regional Office at Bhopal and the State Pollution Control Board and the Central Pollution Control Board once in six months.
- iii. Adequate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operations of HEMM, etc., should be provided with ear plugs/muffs.
- iv. All equipments and vehicles of the company should comply with CPCB norms regarding air pollution. Proper and timely maintenance of these equipments and vehicles should be ensured.
- v. Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.

- vi. 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. Occupational health surveillance programmes of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
 - vii. 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 Company.
 - viii. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MOEF's Regional Office located at Bhopal.
 - ix. The Regional Office of MOEF located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extended full cooperation to the office(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
 - x. State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collectors office/Tehsildar's Office for 30 days.
 - xi. The project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of 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.
3. The Ministry or any other competent authority may stipulate any further condition for environmental protection.
 4. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

5. The above conditions will be enforced, inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1984, 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/-

Deepti Gaur Mukerjee
Member Secretary SEIAA

Endt No.

/SEIAA/EPCO/08

Dated:-

Copy to:-

1. Principal Secretary, Govt. of MP, Housing and Environment Deptt., Mantralaya , Bhopal.
2. Chairman M P Pollution Control Board, Paryavaran Parisar, E-5 Sector, Arera Colony , Bhopal.
3. E I Division, Ministry of Environment and Forest, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi.
4. Regional Office, MOEF, Link Road No 3, Bhopal.
5. Guard File.

Sd/-

Deepti Gaur Mukerjee
Member Secretary SEIAA