

भारत सरकार
पर्यावरण एवं वन मंत्रालय
Government of India
Ministry of Environment & Forests

दूरभाष 1
Telephone:
तार :
Telegram : PARIYAVARAN,
NEW DELHI

पर्यावरण भवन, सी. जी. ओ. कॉम्प्लेक्स,
PARIYAVARAN BHAWAN, C.G.O. COMPLEX
लोदी रोड, नई दिल्ली-110003
LODI ROAD, NEW DELHI-110003

No. J.11015/24/82-IA-II
January 24, 1992.

OFFICE MEMORANDUM

Subject:- Bharatpur Opencast Project (3.5 MTPA)

This has reference to the letter No. 4301/5/89-CPA dated 11th December, 1991 in regard to the above subject. The environmental aspect of the project has been examined and clearance is accorded subject to the effective implementation of the following conditions:

- (i) The SPM levels at all the loading, unloading operations should be controlled in such a way that particulate matter concentrations at 100m. distance from any such operations should not be more than 500 ug/m³. The emissions of SO₂, NO_x etc. should also be maintained within the prescribed norms. If it exceeds the limit, the systems/operations contributing to the emission load should be stopped immediately. It should not be restarted until it is rectified to bring down the SPM concentration.
- (ii) Regular monitoring of air quality, water quality and noise levels should be made and recorded. Data should be furnished to the State Pollution Control Board and to this Ministry quarterly. The project proponent should give special emphasis to monitor silt load and nitrate content of the run off water before meeting the main water course. The recorded data should be furnished to this Ministry quarterly.
- (iii) The effluents generated in the workshop, mine water effluents from the soakpits should be treated before discharging into the drain. It should conform to the standard published by Notification No. GSR.919(E) dated 12th December, 1982.
- (iv) A garland drain near the toe of the overburden dump must be provided.
- (v) Slopes of external dump of each should be maintained at a maximum of 28 degrees.
- (vi) The direct damage of land by mining should be restricted to 408 ha. of which 150.45 ha. would be back-filled by OB and the balance would be kept as water body. The external OB dump for dumping of 17.25 m³ of OB should be dumped only on 50 ha. of land. The forest land requirement should be restricted to only 71.64 ha. as per the revised land use plan.

.....2/-

Ent. 44

- (vii) The top soil in all areas earmarked for external dump and coal stocks shall be removed and utilized for biologic reclamation of the mined land within three to six months depending upon the season. If the utilization is not possible within this period, the top soil shall be preserved with the help of leguminous plants/grass and fertilizers. The reclaimed area as well as external dump area should be afforested at the rate of 1000 trees per acre and the reclaimed land handed over to the Forest Department.
- (viii) The rehabilitation package for 1106 families should be as per the Central Government package. The implementation of the Central Government package should be made in consultation with the State Government. The basic infrastructural facilities to be developed before handing over the land to the evictees.
- (ix) A green belt should be maintained between colony and other infrastructural facility of the mine to attenuate the noise levels and to arrest the movement of dust.
- (x) The crusher, screens should be provided with in-built control measures to prevent the workers from occupational health hazard due to exposure to noise. The noise level should not exceed 40 dBA at a distance of 100m from the source.
- (xi) The depth of the water bodies created in the quarried land after reclamation must be kept to a maximum of 30m, and approach slopes to the water should be made gentle to enable the water to be used for economic purposes.
- (xii) The progress report of the implementation of the conditions should be furnished to this Ministry and State Pollution Control Board quarterly.
- (xiii) A separate Environmental Management Cell with suitably qualified people to carry out various functions relating to environmental management should be set up under the control of senior technical person, who will directly report to Chief Executive. A laboratory facility should be set up for collection and analysis of samples.
- (xiv) The damaged forest land should be reclaimed and afforested at the project cost in consultation with the State Forest Department before handing over the land to the State Government.
- (xv) Financial provision (Capital and recurring expenditure) made towards environmental control measures should not be diverted for any other purpose.
- (xvi) The Ministry reserves the right to modify the conditions or revoke the approval if necessitated either due to change in scope and consequent environmental scenario or the feedback from monitoring the impacts of the project.
- (xvii) The above conditions will be enforced inter-alia under the

Provision of the Water(Prevention and Control of Pollution)
Act, 1974, the Air(Prevention and Control of Pollution) Act, 1981
and the Environment(Protection)Act, 1986.

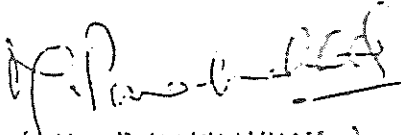
Failure to comply with any of the conditions mentioned above
shall result in withdrawal of the clearance granted herewith.

(J. PARABRAHMAN)
ADVISER (RE)

The Secretary,
Department of Coal,
Shastri Bhavan,
New Delhi-110001

Copy to:-

1. Chairman-cum-Managing Director, South Eastern Coalfields
Ltd. Seepat Road Post Box No.60 Bilaspur-495001.
2. Chief Conservator of Forests, Regional Office, Ministry of
Environment & Forests. Eastern Zone (Atten: Lt. Rao. Scientist S.
E) 194, Kharvela Nagar, Bhubaneswar-751001.
3. Chairman, Orissa Pollution Control Board, A-110, Nilakantha
Nagar, Unit-VIII Bhubaneswar-751012.


(J. PARABRAHMAN)
ADVISER (RE)