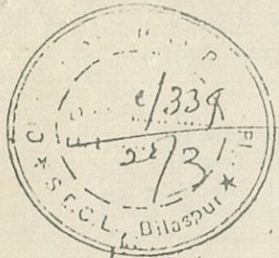


भारत :  
Telegram : PARYAVARAN,  
NEW DELHI  
दूरभाष :  
Telephone : 360478  
रेलवेस :  
Telex : W-66185 DOE IN  
FAX : 360678



*Prd*  
*21/3/92*

भारत सरकार  
पर्यावरण एवं वन मंत्रालय  
GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT & FORESTS  
पर्यावरण भवन, पी. जी. आर. कॉम्प्लेक्स  
PARYAVARAN BHAWAN, P.G.O. COMPLEX  
लोदी रोड, नई दिल्ली-110003  
LODI ROAD, NEW DELHI 110003

Dated the 9th March, 1992.

M/73/  
Date 28-3-92  
20

OFFICE MEMORANDUM

Subject: **Belaahar Opencast Project (2MT).**

This has reference to the Department of Coal's letter NO. 43011/42/89-CFA dated 21st October, 1991 in regard to the above subject. The environmental aspect of the project have been examined and clearance is accorded subject to the following:

- (i) The SFM levels at all the loading, unloading operations should be controlled in such a way that particulate matter concentration at 100m distance from any such operations should not be more than 500 ug/m<sup>3</sup>. The emissions of SO<sub>2</sub>, NOx etc. should be within the prescribed norms. If it exceeds the limit, the systems operations contributing to the emission load should be stopped immediately and should not be restrated until it is rectified to bring down the SFM concentrations.
- (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 runoff of 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 September, 1988.
- (iv) A garland drain near the toe of the overburden dump must be provided.
- (v) Slopes of external dump of each bench should be maintained at a maximum of 28 degrees.

*D-T (P+P)*  
*Wm*

CC. D(=) (P.L.V)  
D(=) SLD

*Env. Clearance file*  
*Sor*

- (vi) The project proponent should restrict their external OB dump  $14.690 \text{ mm}^3$  only and the balance OB  $92.08 \text{ mm}^3$  must be backfilled concurrently.
- (vii) The project proponent should restrict their mining activity only to  $103.52 \text{ ha.}$  of forest land. The damaged forest land should be reclaimed and afforested at the project cost before handing over the land to the State Forest Department after completion of mining activity.
- (viii) The direct damage of land by mining should be restricted to  $431.79 \text{ ha.}$  of which  $381.89 \text{ ha.}$  should be back-filled and  $50 \text{ ha.}$  should be kept as water body.
- (ix) The top soil in all areas earmarked for external OB dump and coal stocks shall be removed and utilised for biological reclamation of the mined land, within three to six months depending upon the season. If the utilisation 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.
- (x) The rehabilitation package for 600 families should be as per the Central Government package. The basic infrastructural facilities to be developed before handing over the land to the affected families:
- (xi) A green belt should be maintained between colony and other infrastructural facilities of the mine to attenuate the noise level and to arrest the movement of dust.
- (xii) 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  $40 \text{ dBA}$  at a distance of  $100 \text{ m}$  from the source.
- (xiii) The depth of the water body created in the quarry land after reclamation must be kept to a maximum of  $30 \text{ m}$  and approach slopes to the water should be made gentle to enable the water to be used for economic purposes.
- (xiv) 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.

- (xv) Financial provision (capital and recurring expenditure) made towards environmental control measures should not be diverted for any other purposes.
- (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 feed back from monitoring the impacts of the projects.
- (xvii) The above conditions will be enforced inter-alia under the provisions 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.

(S.K.DAS)  
JOINT DIRECTOR (TECH)

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

- Copy to: ✓ 1. Chairman-cum-Managing Director, SECL, Seepat Road, P.B.NO.60, Bilaspur-495001.
2. CCF, Regional Office of Ministry of Environment & Forests Eastern Zone, 194 Kharvela Nagar, Bhubaneswar-751001
3. Orissa Pollution control Board, A-11B, Nilakanti Nagar, Unit-VIII, Bhubaneswar. 751012.

*S.K.DAS*  
(S.K.DAS)  
JD (TECH)