

Envt. clearance

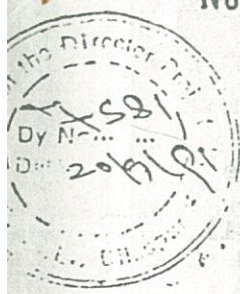
Lakhampur - Original Project

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भारत सरकार  
पर्यावरण एवं वन मंत्रालय  
GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT & FORESTS

No. J-11015/14/87-IA.II/I

दूरभाष :  
Telephone : 360478  
तार :  
Telegram : PARYAVARAN,  
NEW DELHI  
टेलिक्स :  
Telex : W-66185 DOE IN  
फैक्स नं. :  
FAX NO. : 360678  
पर्यावरण भवन सी. जी. ओ. कॉम्प्लेक्स,  
PARYAVARAN BHAWAN, C.G.O. COMPLEX,  
लोदी रोड, नई दिल्ली-110003  
LODI ROAD, NEW DELHI 110003  
10th September, 1991



copy to D(EO) Sambalpur  
CCM (P&P)

CCM (Ib Valley)

Su. SK Prasad CCM/SECL  
B&SR

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CCM (Plg)

20/9/91

OFFICE MEMORANDUM

Subject: Lakhampur Opencast Project (5 MTPA) of SECL - Environmental Clearance.

This has reference to the letter No.43011/43/87-CPA dated 27th December, 1990 in regard to above subject. The environmental aspects of the project have been examined and clearance is accorded subject to the implementation of following:-

- i) The SPM levels at all the loading, unloading operations should be controlled in such a way that particulate matter concentrations at 100 m. distance from any such operations should not be more than 500 ug/m<sup>3</sup>. The emissions of SO<sub>2</sub>, NO<sub>x</sub> etc. should also be maintained within the prescribed norms. If it exceeds the limit, the system/operations contributing to the emission load should be stopped immediately and 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 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.G.S.R.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.
- vi) The direct damage of land by mining should be restricted to 467.35 ha. of which 351.60 ha. should be backfilled. Total 1.96 mm<sup>3</sup> of overburden should only be dumped in external dump. The forest land requirement should be restricted to only 233.43 hectare as per revised land use plan.

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- vii) The top soil in all areas earmarked for external overburden dump and coal stocks shall be removed and utilized 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.
- viii) The rehabilitation package for the 264 families should be as per the Central Government Package. Total 64.5 ha. of land proposed for rehabilitation of evictees should be developed to make it habitable. The basic infrastructural facilities to be developed before handing over the land.
- ix) A green belt should be maintained between colony and other infrastructural facility of the mine to attenuate the noise level 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 40dBA at a distance of 100m from the source.
- x1) The depth of the water bodies created in the quarried land after reclamation must be kept to a maximum of 30 m. 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) Financial provision (capital and recurring expenditure) made towards environmental control measures should not be diverted for any other purpose.
- xv) 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.

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xvi) 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)  
Scientist SE

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

- Copy to: 1) Chairman-cum-Managing Director,  
South Eastern Coalfields Limited,  
Seepat Road, Post Box No.60,  
Bilaspur - 495001.
- 2) Chief Conservator of Forests,  
Regional Office of Ministry of  
Environment & Forests,  
Eastern Zone (Attention : Dr. Rao, Scientist SE)  
194, Kharvela Nagar,  
Bhubaneswar - 751001.
- 3) Orissa Pollution Control Board,  
A-118, Nilakantha Nagar, Unit VIII  
Bhubaneswar - 751012.

  
(S. K. DAS)  
Scientist SE