

OFFICE OF THE ORISSA POLLUTION CONTROL BOARD  
BHUWANESWAR.

No. 15798

IND-II-NOC-915

Dt. 14/10/89

OFFICE MEMORANDUM

Sub: Consent to Establish (NOC) under Section 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and under Section 21 of Air (Prevention & Control of Pollution) Act, 1981 for establishment of Chhendipada Open Cast Project, M-Chhendipada, for production of Coal of capacity 0.35 million tons/ann.

In consideration of the application for obtaining Consent to Establish (NOC) for the proposed unit as above, the Orissa Pollution Control Board has been pleased to convey its consent to establish (No objection certificate) under Section 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 for setting up of the Coal Mine for the items and capacity mentioned as above subject to the following conditions:

GENERAL CONDITIONS:

1. This consent to establish is issued under Section 25 of Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and is subject to grant of environmental clearance stipulated under EP Act, 1986 by Ministry of Environment & Forest, Govt. of India and without prejudice to any legal matter involved in the project.
2. The unit shall apply for obtaining consent (to operate) under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 at least before 4 (four) months of the commercial or trial production where further conditions may be imposed if necessary. But, the conditions laid down in this order shall be complied before applying for consent to operate. Any violation of the conditions shall entail cancellation of this order.
3. Tree plantation shall be done in the vacant space within the premises @ 1000 trees per acre.
4. The project shall comply the provisions of the Environment (Protection) Act, 1986 and Rules framed thereunder. The standards notified under the Environment (Protection) Act shall be applicable.
5. The project shall also comply with provisions of all other laws of the land that are applicable.

SPECIAL CONDITIONS:

1. Maximum height of overburden dump should be restricted as per the Mine Act. Benches should be provided and slope should be maintained below 28 degree. Overburden and top soil should be dumped in the earmarked area using proper techniques and precautions.

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2. The overburden dumps should not be kept active for long period. The active dumps should be reclaimed and suitably planted all over.
3. A time bound action plan for reclamation detailing measures to stabilise the dumps, monitoring and management of rehabilitated areas until the vegetation is self-sustained and the plan should be submitted to the Board within 3 months.
4. Ambient Air Quality Monitoring stations should be established in the core zone and as well as buffer zone for SPM, RPM, SO<sub>2</sub>, NO, and CO. Location of the Ambient Air Quality stations should be decided based on the meteorological data, topographical features, environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.
5. Data on Ambient Air Quality should be regularly monitored as per EP Act 1986 & submitted to the State Pollution Control Board every month.
6. Drills should be operated with dust extractors.
7. Fugitive emissions from all the sources should be controlled, regularly monitored and data recorded properly. The material transfer points at Coal Handling Plant should be attached to proper dust control arrangements such as multiclone or bag filters. Water spraying arrangements on haul roads, wagon loading, sidings should be provided and properly maintained.
8. Adequate measures should be taken for control of noise levels below limit of 85 dB(A) in the work environment. Workers engaged in blasting / drilling operations, operation of HGM etc. should be provided with ear plugs / muffs.
9. Industrial wastewater (workshop & wastewater from the mine) should be properly collected, treated so as to conform to the standards prescribed for discharge of effluent to inland surface water. The treated effluent shall be utilised to the maximum for spraying on haul roads and plantation purposes. Sewage treatment plant shall be provided for the treatment of domestic effluent generated from colony & mines so as to meet the prescribed standard of the Board for discharge to inland surface water.
10. Acid mine water, (Mine drainage water) if any, has to be treated and disposed off after confirming to the standards described by the Board.
11. Garland drains of appropriate size should be constructed to collect the surface run-off from the overburden dumps & other dumps. The collected run off should be diverted to the sedimentation tank before discharged to out side.

- 12. Check Bunds should be provided along the nearby nallah or river if any in between the mine and river / nallah to prevent the flow of run-off and O. B. materials into the Water Bodies.
- 13. Ground water quality should be regularly monitored and the data recorded should be furnished to the State Pollution control Board quarterly.
- 14. Depth of lagoon if any, should not be more than 40 Ml. at the time of abandonment of the mine.
- 15. A green belt of adequate width by planting the native species should be raised around the lease area, township roads, over burden dump sites etc. The density of the trees should be atleast 2500 plants/Ha.

monitoring and analysis equipments in consultation with the State Pollution Control Board.

- 17. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on necessary safety and health aspects.

Occupational health surveillance programme of the workers should be undertaken periodically to observe any health hazards due to exposure to dust and take corrective measures, if needed.

- 18. A separate environmental management cell with suitable qualified personnel should be set up under the control of Senior Executive, who will report directly to the head of Organisation.
- 19. The funds earmarked for environmental protection measures should be kept in a separate account and should not be diverted for any other purpose and year-wise expenditure should be reported to the Board.
- 20. Black top service roads shall be made inside the mine.
- 21. All precautions shall be taken to prevent the spontaneous fire hazards in the coal storage yard mine pit, O.B dumps and in the other places. Detail action plan shall be submitted to the Board within one month.
- 22. The mine shall take up peripheral development of the locality in the surroundings.
- 23. Failure to comply with any of the conditions mentioned above should result in withdrawal of consent to establish (NOC).

*[Signature]*  
 MEMBER SECRETARY  
 14/10/2015