

BY REGD. POST

**OFFICE OF THE
ORISSA STATE POLLUTION CONTROL BOARD,**

A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar-751 012.

No. _____ /NOC-1239

Dated _____ /

Dr. M. Patra,

Member Secretary

OFFICE MEMORANDUM

In consideration of the application for obtaining Consent to Establish to set up an open cast coal mine (MCL) of M/s. Kulda Open Cast Project, MCL, the State Pollution Control Board Orissa has been pleased to convey its Consent to Establish under section 25 of Water (Prevention and Control of Pollution) Act, 1974 and section 21 of Air (Prevention and Control of pollution) Act, 1981 for manufacture/production of coal, Quantity - 10 Million TPA at G.P.Balinga, Vill. Kulda in the district of Sundargarh subject to the following conditions.

GENERAL CONDITIONS

1. This Consent to establish is specific for the product, quantity, manufacturing process and raw materials as mentioned in the application and valid for a period of one year from the date of issue of this letter.
2. Adequate effluent treatment facilities are to be provided such that the quality of sewage and trade effluent satisfies the standards as prescribed under EP Rule or as prescribed by the Central Pollution Control Board and/or State Pollution Control Board or otherwise stipulated in the special conditions.
3. All emission from the industry as well as the ambient air quality and noise are to conform to the standards as laid down under EP Rule/ Central Pollution Control Board/ State Pollution Control Board of otherwise stipulated in the special conditions.
4. Adequate method of disposal of solid waste is to be adopted to avoid environmental pollution.
5. The industry is to comply to the provisions of EP Act, 1986 and the rules made there under with their amendments from time to time such as the Hazardous Chemical/Manufacture, Storage and Import Rule, 1989 etc. The industry is also to comply with the provisions of Public Liability Insurance Act, 1991, if applicable.
6. The industry is to obtain permission from the local authorities as applicable.
7. The industry is to take up the plantation of the indigenous species around the available vacant areas inside the factory premises @ 25000 trees/ hectare.

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8. The industry is to apply for grant of consent to operate under section 25/26 of Water (Prevention & Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981 (if coming under air pollution control area) at least 3 (three) months before the commercial production and obtain Consent to operate

SPECIAL CONDITIONS:

1. Maximum height of overburden dump should be restricted as per the Mine Act, Benches of adequate width should be provided and slope should be *maintained below 28 degrees*. Overburden and top soil should be dumped *separately* in the earmarked area using proper techniques and precautions.
2. The overburden dumps should not be kept active for long period. The inactive 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 funds earmarked for implementing the plan should be submitted to the Board within 3 months.
4. Ambient Air Quality Monitoring stations should be established in the core zone as well as buffer zone for SPM, RPM, SO₂, NO_x 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 Orissa Pollution Control Board.
5. Ambient Air Quality shall be regularly monitored as per EP Act, 1986 report thereof 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 fitted with proper dust control arrangements such as multiclone or bag filters. Automatic water spraying arrangements on haul roads, wagon loading, sidings shall be provided and properly maintained.
8. The mine shall conform to the standards prescribed under National Ambient Air Quality as per EP Act, 1986.
9. Adequate measures should be taken for control of noise levels to meet the standards prescribed under E(P) Act, 1986. Workers engaged in blasting /drilling operations, operation of HGMM etc. should be provided with ear plugs/muffs.
10. Industrial wastewater (work shop & 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.
11. 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.

2. Acid mine water, if any, has to be treated and disposed after confirming to the standards described by the Board.
13. Garland drains of appropriate size should be constructed to collect the surface run-off from the overburden dumps and other dumps. The collected run off shall be diverted to the sedimentation tank of adequate size before discharge to out side and the treated effluent shall confirm to the standard prescribed for discharge of effluent to Inland surface water.
14. 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.
15. Ground water quality should be regularly monitored and the data recorded should be furnished to the Orissa Pollution Control Board quarterly.
16. Depth of lagoon if any, should not be more than 40 m. at the time of abandoning of the mine.
17. All efforts shall be taken to protect the existing water bodies in the surrounding.
18. 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 at-least 2500 plants/Ha.
19. Environmental laboratory should be established with adequate number of type of pollution monitoring and analysis equipments in consultation with the Orissa Pollution Control Board.
20. 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.
21. 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.
22. A separate environmental management cell with suitable qualified personnel from the field of Environmental Engineering or Science should be set up under the control of Senior Executive, who will report directly to the head of the organisation.
23. The funds earmarked for environmental protection measures should kept in a separate account and should not be diverted for any other purpose and year-wise expenditure from the fund should be reported to the Board.
24. Black top roads shall be made inside the mine as well as all designed dumps and stockyards. Lay out plan to this effect to be submitted to Pollution Control Board within a month.
25. 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. Details action plan shall be submitted to the Board within one month.

26. The mine shall take up peripheral development of the locality.
27. Operation of the mine shall be commensurate with that of the linked power plant.
28. Obligation for back filling of the mine with fly ash from linked power plant shall find a definite place in the fuel supply agreement. Copy of such document shall be furnished to Board within 3 months.
29. The plan for back filling of mine voids with fly ash shall be suitably incorporated in mining plan and duly approved by competent authority. A copy of the report shall be submitted along with application for consent to operate.

MEMBER SECRETARY

To

Sri M.K.Panda, Nodal Env. Officer,
M/S Kulda Open Cast Project (MCL),
Jagriti Vihar, Burla,
Sambalpur.

Memo No. 17953

Dated 27/11/07

Copy forwarded to:

1. Regional Officer, S.P.C. Board, Rourkela
2. Collector, Sundargarh
3. District Industries Centre, Sundargarh
4. Consent Section
5. Chief Inspector of Factories & Boilers, Bhubaneswar
6. Guard file (consent to establish register)


27/11/07
SR. ENV. ENGINEER

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