



BY REGD POST

OFFICE OF THE
STATE POLLUTION CONTROL BOARD, ORISSA

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

No. 15795 / Ind-II-NOC- 5015 /Date 24.09.10

OFFICE MEMORANDUM

In consideration of the application for obtaining Consent to Establish for **Advanced Medicare & Research Institute Ltd.**, the State Pollution Control Board has been pleased to convey its Consent to Establish under section 25 of Water(Prevention & Control of Pollution) Act, 1974 and section 21 of Air (Prevention & Control of Pollution) Act, 1981 for **Construction of Multi Speciality Hospital consists of B+G+5 storeyed Building with facilities such as Cardiac, Gynecology, Pediatric, Neurology, Gastroentrology and Orthopedic with 313 beds 232 Nurses dormitory beds having built-up area 37,458 Sq.meter At: Aiginia, (Plot No.1,Khata no.276) Khandagiri, Bhubaneswar in the district of Khurda with the following conditions.**

GENERAL CONDITIONS.

1. This Consent to establish is valid for the facilities and built-up area as mentioned in the application and for a period of five years from the date of issue of this letter, provided commencement of production of the proposed project has not taken place in the meantime.
2. If the proponent fails to start operation of the project within five years but substantial physical progress has been made then a renewal of this consent shall be sought by the proponent.
3. Adequate effluent treatment facilities are to be provided such that the quality of sewage and trade effluent satisfies the standards as prescribed under Environment Protection Rule, 1986 or as prescribed by the Central Pollution Control Board and/or State Pollution Control Board or otherwise stipulated in the special conditions.
4. All emission from the industry as well as the ambient air quality and noise shall conform to the standards as laid down under Environment (Protection) Act. 1986 or as prescribed by Central Pollution Control Board/State Pollution Control Board or otherwise stipulated in the special conditions.
5. Appropriate method of disposal of solid waste is to be adopted to avoid environmental pollution.

6. The industry shall comply to the provisions of Environment Protection Act, 1986 and the rules made there under with their amendments from time to time such as the Hazardous Waste (Management & Handling) Rules 1989, Hazardous Chemical Rules, /Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 etc. and amendments there under. The industry shall also comply to the provisions of Public Liability Insurance Act, 1991, if applicable.
7. 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 & Control of Pollution)Act, 1981 at least 3 (three) months before the commercial production and obtain Consent to Operate from this Board.
8. This consent to establish is subject to statutory and other clearances from Govt. of Odisha and/or Govt. of India, as and when applicable.

SPECIAL CONDITIONS:

1. The Proponent shall obtain environmental clearance as per EIA notification- 2006 and construction activity of the project shall commence after obtaining environmental clearance.
2. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
3. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
4. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
5. All the top soil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
6. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
7. Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.
8. All vehicles carrying building materials to the site shall be covered to avoid spreading of dust. Vehicles hired for bringing construction material at site should be in good condition and should have valid pollution under check (PUC) certificate and to conform to applicable air and noise emission standards and should be operated only during non-peak hours.
9. Water Sprinkling shall be carried out in stock piles and haulage roads in the construction area to suppress fugitive emission.
10. The effluent generated from laboratories, operational theater and dialysis shall be pretreated in ETP consists of equalization tank, reaction tank with flash mixer and chemical dosing, flocculator, Lamella clarifier, supernatant tank, sludge holding tank and filter press. After pretreatment same shall be routed through STP.

11. The Unit shall provide adequate STP such as oil & grease trap, bar screen, grit chamber, equalization tank, FAB Reactor, Tube settler, sludge holding tank, filter press for de-sludging and tertiary treatment such as pressure sand filter, activated carbon filter, softener and uv system for effluent generated from domestic use, flushing, RO reject and back wash. The treated effluent shall be reused for HVAC make-up and green belt development as proposed in environmental management plan. In case any discharge made during rainy season to near by water bodies /Municipality drain shall meet Board's prescribed standard for discharged into inland surface water (pH- 6.5 to 8.0, O&G – 10mg/l, BOD- 30 mg/l).
12. Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
13. Diesel power generating sets proposed as source of back up power during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986.
14. The Unit shall provide adequate stack height in the DG set as per the following formula.
 - a. $H = h + 0.2 \sqrt{KVA}$ where
 - b. h = Height of building in mts
 - c. H = Height of stack attached to DG sets in mts
15. The Unit shall provide acoustic enclosure in the DG set to control noise level as per E (P) Rule, 1986 both during construction phase as well as operation phase.
16. The solid waste generated should be properly collected and segregated. Organic solid waste should be vermin composted or mechanical aerobic system adopted to make value added product. Inorganic solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
17. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
18. Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.
19. The civil construction shall be carried out with the fly ash bricks. If the fly ash bricks are not available locally the civil construction may be carried out with other bricks with prior intimation to the concerned Regional Office of SPC Board. A statement indicating use of fly ash bricks during construction period shall be submitted to the Board quarterly for record.
20. The Unit shall obtain permission for drawal of water from concerned authority before implementation of the project.
21. Rain water harvesting structure shall be developed inside premises and maximum efforts shall be made to reuse harvested rain water with a definite plan and programme to reduce drawal of fresh water from the local water bodies. Rain water harvesting structure to be included from the construction stage itself. The number of recharge pits shall be designed having 50% voids w.r.t total run-off generation.

22. The Unit shall dispose the e-waste as per CPCB, Delhi / MoEF, Govt. of India guidelines.
23. The Unit shall dispose off hazardous waste materials such as Tarry products, Lead containing products, Paints & pigments Pesticides, Broken fluorescent and mercury lamps during construction and operational phase as per Hazardous Waste Management , Handling and Transboundary movement, Rules,2010 and amendment there of.
24. The proponent shall dispose of expired drugs as per existing guideline of the State without causing any environmental nuisance.
25. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
26. The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc.
27. The Unit should provide a full fledged environmental management cell and head of environmental management cell should report to the Head of the organisation.
28. The Board may impose further condition or modify the conditions are stipulated in this order during installation and / or at the time of obtaining consent to operate and may revoke this order in case the stipulated conditions are not implemented and / or information is found to have been suppressed / wrongly furnished in the application form.

To,
✓ The Executive Director,
Advanced Medicare & Research Institute Ltd.,
38/1, Gariahat Road Kolkata-700031 (West Bengal)

Sda
24/7/10
MEMBER SECRETARY

Memo No. _____ /Dt. _____
Copy forwarded to:

1. Collector, Khurda
2. District Industries Centre, Bhubaneswar
3. Director, Factories & Boiler, Bhubaneswar
4. Sr. Env. Engineer (C)
5. RO , Bhubaneswar
6. Copy to Guard file/Consent to establish register

SR. ENV. ENGINEER (N)