



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

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

FAX : 2562822/2560955
Tel : 2564033/2563924
EPABX : 2561909/2562847
E-mail: paribesh1@ospcboard.org
Web site : www.ospcboard.org

BY REGD POST

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Date 26.04.2017

OFFICE MEMORANDUM

In consideration of the online application no. **580609** for obtaining Consent to Establish of **M/s AMRI Hospitals Ltd. (Advanced Medicare & Research Institute)**, 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 increasing in bed capacity from 313 to 407 (87 additional beds) along with installation of DG sets of capacities 3x1250 KVA for power backup, At - Plot No: 1, Beside Satya Sai Enclave, Aiginia, Po: Khandagiri, Bhubaneswar, in the district of Khurda with the following conditions.

GENERAL CONDITIONS:

1. This Consent to establish is valid for the construction project as mentioned in the application form and for a period of five years from the date of issue of this letter. If the proponent fails to do substantial physical progress of the project within five years then a renewal of this consent to establish shall be sought by the proponent.
2. The Project has 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 occupancy and obtain Consent to Operate from this Board.
3. This consent to establish is subject to statutory and other clearances from Govt. of Odisha and / or Govt. of India, as and when applicable.
4. A green belt of adequate width and density preferably with local species along the periphery of the project area shall be raised so as to provide protection against particulates and noise. It must be ensured that at least 20% of the total land area shall be under permanent green cover. The proponent shall ensure the maintenance of green belt throughout the year. It is advised that they may engage professionals in this field for creation and maintenance of the green belt. An action plan for this purpose shall be prepared and shall be submitted accordingly.
5. 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.
6. The individual unit shall comply to the provisions of E-Waste (Management) Rules, 2016 and amendment thereafter and shall handover e-waste to authorized collection centers/ register dismantlers/ recyclers for proper disposal of e-waste.
7. The individual unit shall comply the provisions of Plastic Waste Management Rules, 2016 and amendment thereafter.

8. The land on which the unit is proposed to be established shall be converted to industrial use Kism by the competent authority. The copy of said land conversion document shall be submitted to the Board along with consent to operate application.

SPECIAL CONDITIONS:

General:

1. The proponent shall amend / modify environmental clearance obtained earlier from SEIAA, Odisha for increasing in bed capacity from 313 to 407.
2. The proponent shall submit permission letter from Municipal Authority for disposal of treated effluent to the nearest municipality drain at the time of grant of consent to operate.
3. The proponent shall install equipment to harness solar energy for different function of the project.
4. 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.

Water Pollution:

5. 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.
6. Separate drain shall be provided for waste water generated from the Hospital activity and rain water.
7. The unit shall provide one STP of capacity 230 KLD inside the premises for the treatment of domestic as well as Hospital waste water. The STP will consist of Primary Treatment (Bar Screen and Oil and Grease Trap Chamber), Secondary Treatment (Fluidized Aerobic Bio-Reactor – I & II, Tube Settler, Chlorine contact tank, Sludge Holding Tank) and Tertiary Treatment (Multi Grade Filter and Activated Carbon Filter). The treated water will be used for landscaping, washing, Heating, ventilation and air conditioning (HVAC). The treated excess water of quantity 51.2 KLD during non-monsoon period and 63.2 KLD during monsoon period will be discharged to outside drain, shall meet following prescribed standard.

Sl. No.	Parameters	Standards
1.	pH	6.5-9.0
2.	BOD(mg/l)	Not more than 10
3.	COD(mg/l)	Not more than 50
4.	TSS(mg/l)	Not more than 20
5.	NH4-N(mg/l)	Not more than 05
6.	N-total(mg/l)	Not more than 10
7.	Fecal Coliform (MPN/100ml)	Less than 100

Note: These standards will be applicable for discharge in water resources as well as for land disposal. The standards for Fecal Coliform may not be applied for use of treated sewage in industrial purposes

Air Pollution:

8. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets only low sulphur diesel will be used. The location of the DG sets may be decided in consultation with State Pollution Control Board.
9. The height of the stack attached to the D.G set shall conform to the following:
$$H = h + 0.2\sqrt{KVA}$$
(Where, h = Height of the building where it is installed in meter KVA = Capacity of D.G Set and H = Height of the stack in meter above ground level)
10. 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.

Solid and Hazardous Waste:

11. The proponent shall develop own arrangement for storage of Bio-medical waste generated from the Hospital activity before handed over for management and disposal of the same through authorized agency and obtain authorization under Bio-Medical Waste Management Rules, 2016 and amendment thereafter before commencing hospital activity.
12. The municipal solid waste generated should be properly collected and segregated. Organic solid waste should be vermi-composted or mechanical aerobic system adopted to make value added product. The organic solid waste shall also be stored in closed shed before use of the same for producing value added product. Inorganic solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
13. The Project proponent shall dispose off hazardous waste materials such as tarry products, lead containing products, paints & pigments residues, broken fluorescent and mercury lamps during construction and operational phase as per Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and amended thereafter.


MEMBER SECRETARY

To,

✓ The Vice President,
M/s. AMRI Hospitals Ltd.,
At - Plot No: 1, Beside Satya Sai Enclave, Aiginia,
Po: Khandagiri, Bhubaneswar, Dist- Khurda.

Memo No. 5994 /Dt. 26.04.17 /

Copy forwarded to:

1. The District Magistrate & Collector, Khurda.
2. The District Industries Centre, Khurda.
3. Consent to Operate Cell, SPC Board, Bhubaneswar.
4. Hazardous Waste Management Cell, SPC Board, Bhubaneswar
5. Bio-Medical Waste Management Cell, SPC Board, Bhubaneswar
6. RO, SPC Board, Bhubaneswar.
7. Copy to Guard file / Consent to establish register.


SR. ENV. ENGINEER (N)