



CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

Paryavas Bhawan, North Block, Sector - 19,

Nava Raipur Atal Nagar, District - Raipur (C.G.)

E-mail - hocecb@gmail.com

No. 8043 /TS/CECB/2024 Nava Raipur Atal Nagar, dated: 10 /01 /2024
To,

M/s Ginni Devi Goel Manipal Hospital
(Ginni Devi Goel Foundation)
Village – Baronda & Parsulidih,
Tehsil - Dharsiwa,
District-Raipur (C.G.)

Sub: - “Permission to Establish” for Health Care Service Hospital (300 beds)
at Village – Baronda & Parsulidih, Tehsil – Dharsiwa, District –
Raipur (C.G.).

Ref: - 1. Your online application dated: 28/09/2023 and subsequent
correspondence ending dated: 07/12/2023 (online application no.
13858758).

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Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act, 1974, and the Air (Prevention and Control of Pollution) Act, 1981 and without reducing your responsibilities under the said Acts, and after going through your proposal for achieving the effluent and gaseous emission standards, it is to inform you that this Board grants you “Permission to Establish” only for Health Care Service Hospital (300 beds) at Village – Baronda & Pasulidih, Tehsil – Dharsiwa, District – Raipur (C.G.) subject to fulfillment of the following terms and conditions.

TERMS & CONDITIONS: -

1. Total land area shall be 3.7723 ha and total built-up area shall not be more than 18,764.08 sqm. Industry shall obtain environmental clearance for competent authority, if the total built-up area is more than 20,000 sqm. According to the corporate plan, industry shall undertake construction work of hospital with a total built up area of less than 20,000 sqm in 5 years.
2. Hospital management shall provide adequate facility for proper treatment of domestic/trade/laundry effluent etc. and shall ensure that the treated effluent quality meet the standards prescribed by Board published in Gazette Notification dated 25.03.88. Hospital management shall install sewage treatment plant for domestic waste water generated from the hospital. Properly treated and properly disinfected sewage shall be utilized in flushing the toilets, gardening purpose, make up water in air conditioning systems etc. No treated/untreated effluent shall be discharged outside the

premises under any circumstances. Zero discharge condition shall be maintained all the time. Necessary measures shall be made to mitigate the odour problems from Sewage Treatment Plant (STP). The major parameters of treated effluent shall not exceed the following limits: -

S. No.	Parameters	Limits
1.	pH	5.5 - 9.0
2.	Suspended Solids	100 Milligram per Liter
3.	BOD	30 Milligram per Liter
4.	COD	250 Milligram per Liter
5.	Oil and Grease	10 Milligram per Liter

Chhattisgarh Environment Conservation Board may further stipulate stringent limit depending upon environmental conditions.

3. The infectious liquid wastes and other non- infectious liquid wastes shall be collected and treated separately. Bio Medical Wastes from laboratory, washing, cleaning, housekeeping and disinfecting activity shall be properly disinfected by sodium hypochlorite/chlorination and sent to sewage treatment plant (STP). All the night soil and waste pipelines from the toilets, kitchen, pantries, and internal toilets shall be connected to the Sewage Treatment Plant.
4. Delay tanks, which shall store the fecal matter generated from the isolation ward, where patients are exposed to radioactive therapy (if any), shall be provided within hospital complex as per the standard prescribed by Atomic Energy Regulatory Board (AERB). The tanks shall be provided with non-corrosive double lining to protect against any damage. The time for each tank shall not be less than 48 hours. The outlet of delay tank shall be located higher than the main sewer line. After this retention time the soil shall be transferred to the STP for further biological treatment. Delay tank facility shall be fenced from all sides with lock and key, in order to restrict any entry of general public in that area.
5. Hospital management shall provide adequate measuring arrangement for the measurement of water utilized in different categories and effluent generated.
6. Hospital management shall obtain prior permission from Central Ground Water Authority for drawl of ground water. Hospital management shall not use ground water without obtaining NOC of CGWB.
7. Hospital management install separate digital meter for measurement of ground & surface water used. Hospital management shall submit appraisal report for usage of water. Hospital management shall ensure maximum reuse of non-potable water.
8. Provision of drinking water, wastewater disposal, solid wastes management and primary health facilities shall be ensured for labour camps. Proper sanitation facilities shall be provided at the construction site to prevent health related problems. Domestic as well as sanitary wastes from construction camps shall be cleared regularly. Provision shall be made for mobile toilets.
9. The safe disposal of wastewater and solid wastes generated during construction phase shall be ensured. Water usage during construction shall be optimized to avoid any wastage. Adequate safety measures shall be adopted to the construction workers.

10. Hospital management shall provide adequate air pollution control arrangements at all point and non point sources (if any). Hospital management shall install suitable air pollution control equipments to ensure particulate matter emission less than 30 mg/Nm³. At no time the emission level shall go beyond the prescribed limits. In the event of failure of any pollution control system adopted by hospital management, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Chhattisgarh Environment Conservation Board may further stipulate stringent particulate matter limit depending upon environmental conditions.
11. The height of any stack(s) attached with various particulate matter / air pollutants emission units (if any) shall be maximum of the following: -
 - a. Based on $H=14(Q)^{0.3}$ (where Q is emission rate of SO₂ in Kg/Hr., and H is Stack height in meters) or;
 - b. 30 meters.Adequate arrangement of stack monitoring such as port hole, platform, easy ladder etc. shall be provided for all the stack(s).
12. Low sulphur diesel type diesel generator set(s) shall be used during construction/operation phase. Diesel generator sets during construction/operation phase shall have acoustic enclosures and shall conform to Environment (Protection) Rules, 1986 prescribed for air and noise emission standards. Height of stack attached with diesel generator set(s) shall not be less than 30 meters.
13. Hospital management shall comply all the provisions of Bio-Medical Waste Management Rules, 2016 (as amended). All bio medical wastes shall be collected, handling, treated and disposed off strictly as per the Bio-Medical Waste Management Rules, 2016 (as amended).
14. Hospital management shall ensure that disposal of bio-medical waste generated from the hospital will be given to CBMWTF and for which obtain a consent from the CBMWTF before commissioning of the hospital.
15. Construction material shall be stored in covered godowns/sheds. Truck carrying soil, sand and other construction materials shall be duly covered to prevent spillage and dust emission. Hospital management shall provide adequate measures to control air pollution during the constructions. Adequate dust suppression measures shall be undertaken to control fugitive dust emission. Regular water sprinkling for dust suppression shall be ensured. Ambient air quality shall not exceed the standards prescribed by Board.
16. Three bin collecting system shall be implemented within hospital area. Two-chambered container (one for recyclable wastes and other for all organic and compostable wastes) shall be placed at appropriate distance/places. The municipal solid wastes shall be disposed in sanitary landfill through Nagar Nigam. All municipal solid wastes shall be segregated, collected, transported, treated and disposed as per provisions of the Municipal Solid Wastes (Management and Handling) Rules, 2000 (as amended).
17. Hospital management shall use fly ash brick, fly ash block and fly ash based products in the construction/repairing activities. Hospital management shall also use fly ash for filling low-lying areas within premises.

18. The provisions of National Building Code 2005 shall be strictly followed. Construction shall conform to the requirements of local seismic regulations. Hospital management shall obtain permission for the plans and designs including structural design, standard, safety, adequacy of firefighting equipments, protection measures for lightning and specifications of all construction works from concerned authorities.
19. All internal roads shall be made black topped. Good housekeeping practices shall be adopted by hospital management.
20. Hospital management shall obtain letter of authorization under Hazardous and Other Wastes (Management and Trans Boundary Movement) Rules, 2016 (as amended) and Bio-Medical Waste Management Rules, 2016 (as amended) from the Board.
21. A thick green belt of broad leaf local species shall be developed all along the periphery of the premises. As far as possible maximum area of open spaces shall be utilized for plantation purposes.
22. Rainwater from open spaces shall be collected and reuse for landscaping and other purposes. Rooftop rainwater harvesting shall be adopted for the buildings. Every building shall have rainwater-harvesting facilities. The storm water flowing in roadside drains shall also be recycled and reused to maintain the vegetation and discharged into natural water bodies. Before recharging the surface runoff, pre treatment must be done to remove suspended matter and oil & grease. Permeable (porous) paving in the parking areas, and walkways & patio areas should be used to control surface water runoff by allowing storm water to infiltrate the soil and return to ground water.
23. Hospital management shall establish an environmental management cell to carryout function relating to environmental management under the supervision of senior executive who shall directly report to the head of management. A full-fledged laboratory with qualified technical/scientific staffs to monitor the influent, effluent, ground water, surface water, soil, stack emission and ambient air quality etc. shall be provided.
24. Necessary fund shall be provided for implementation of the above-mentioned conditions. The funds earmarked for environmental protection measures shall be kept in separate account and not diverted for any other purpose.
25. Hospital management shall obtain all necessary statutory clearances/licenses from concerned Central/State Government Departments, Boards, Bodies and Corporations etc. before start of construction of the project. Hospital management shall follow direction issued by Central/State Government, Central Pollution Control Board/Chhattisgarh Environment Conservation Board from time to time regarding control of water & air pollution and for environmental conservation.
26. The issuance of this permission to establish does not convey any property rights in either real or personal property, or any exclusive privileges, nor does not authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local laws or regulations.

27. Hospital management shall follow any other conditions given at the time of grant of consent under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981.
28. Any change in capacity, project profile etc. shall be intimated to the Board and prior permission of the Board shall be obtained for the same.
29. This permission to establish shall be valid for the period of five years effective from the date of issue of this letter. This permission to establish shall be treated as cancelled in case; no construction activity has been started on the site regarding establishment of the hospital during this period. Chhattisgarh Environment Conservation Board reserves the right to extend the validity period/not to extend the validity period/ cancel /withdraw the permission to establish of the hospital, based on the construction activities carried out on the site regarding establishment of hospital management.
30. Board reserves the right to amend/cancel any of the above conditions, stringent the effluent/emission limits stipulated above and add new conditions as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.

The consent (for operation) as required under the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 shall be granted to your hospital after fulfillment of all the conditions mentioned above. For this purpose you shall have to make an application to this Board in the prescribed Performa at least two months before the expected date of commissioning of the hospital. The applicant shall not without valid consent (for operation) of the Board bring into use any out let for the discharge of effluent and particulate matter/gaseous emission.

For & on behalf of
Chhattisgarh Environment Conservation Board

Member Secretary
Chhattisgarh Environment Conservation Board
Nava Raipur Atal Nagar
District - Raipur (C.G.)

Endt. No. 8044 /TS/CECB/2024 Nava Raipur Atal Nagar, dated: 10 /01 /2024

Copy to: -

Regional Officer, Regional Office, Chhattisgarh Environment Conservation Board, Raipur (C.G.). Please ensure compliance and report, if any condition/conditions are violated by the hospital management.

Signature valid

Digitally Signed by : P. Arun
Prasad MS

Member Secretary
Chhattisgarh Environment Conservation Board
Nava Raipur Atal Nagar
District - Raipur (C.G.)
Date: 2024.01.12 11:16:10 IST