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# STATE POLLUTION CONTROL BOARD, ODISHA

[DEPARTMENT OF FOREST, ENVIRONMENT & CLIMATE CHANGE, GOVERNMENT OF ODISHA]  
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## CONSENT ORDER

No. 2668 /

IND-I-CON-6718

Dt. 10.02.2025 /

CONSENT ORDER NO. 2903.

Sub: Consent for discharge of sewage and trade effluent under Section 25/26 of Water (PCP) Act, 1974.

Ref: Your online application ID No. 6063718 dated 25.12.2024.

Consent to operate is hereby granted under section 25/26 of Water (Prevention & Control of Pollution) Act, 1974:

Name of the Industry: Sub-Divisional Hospital, Pattamundai.

Name of the Occupier & Designation: The Medical Officer, I/c

Address: At/PO: Pattamundai, Dist: Kendrapara.

### Details of the Hospital:

| Sl. No. | Product  | Bed Strength |
|---------|----------|--------------|
| 1.      | Hospital | 30 Nos.      |

This consent order shall come into effect from Dt.01.04.2025 to Dt. 31.03.2026.

This consent order is valid for the specified outlets, discharge quantity and quality of effluents (ii) quantity of emission and its quality, specified chimney / stack (iii) quantity of solid waste and its disposal as specified in next page(s).

*THM*

This consent is granted subject to the General and Special Conditions stipulated below:

**A. Discharge permitted through the following outlet subject to the standard**

| Outlet No. | Description of outlet                               | Point of discharge                      | Quantity of discharge KLD or KL/hr | Pre-scribed Standard |            |            |           |              |                         |  |
|------------|---|---|------------------------------------|----------------------|------------|------------|-----------|--------------|-------------------------|--|
|            |   |   |                                    | pH                   | BOD (mg/l) | COD (mg/l) | SS (mg/l) | O & G (mg/l) | Fecal Coliform (MPN/ml) | Bio-assay Test                                       |
| 1          | Treated hospital wastewater and domestic wastewater | Discharged to soak pit via septic tank. | —                                  | 6.5-9.0              | <30.0      | <250       | <100      | 10.0         | <1000                   | 90% survival of fish after 96 hours in 100% effluent |

**B. Emission permitted through the following stack subject to the prescribed standard**

| Chimney Stack No. | Description of Stack (attached to) | Stack height (m) Above DG set | Quantity of emission (m <sup>3</sup> /hr) | Prescribed Standard      |                          |                          |                          |
|-------------------|------------------------------------|-------------------------------|---|--------------------------|--------------------------|--------------------------|--------------------------|
|                   |                                    |                               |   | PM (mg/Nm <sup>3</sup> ) | HC (mg/Nm <sup>3</sup> ) | NO <sub>x</sub> (ppm(v)) | CO (mg/Nm <sup>3</sup> ) |
| --                | --                                 | --                            | --  | 75                       | 100                      | 710                      | 150                      |

**C. Disposal of solid waste permitted in the following manner**

| Sl. No. | Type of Solid waste | Quantity generated | Quantity to be reused on site | Quantity to be reused off site | Quantity disposed off | Description of disposal site.   |
|---------|---------------------|--------------------|-------------------------------|--------------------------------|-----------------------|---|
| 01.     | Garbage             | --                 | --                            | --                             | --                    | Handed over to Municipality   |
| 02.     | Biomedical Waste    | --                 | --                            | --                             | --                    | Handed over to CBWTF i.e. M/s. Sani Clean Pvt. Ltd., Tangiapada, Khurda |

**D. GENERAL CONDITIONS FOR ALL UNITS:**

- The consent is given by the Board in consideration of the particulars given in the application. Any change or alternation or deviation made in actual practice from the particulars furnished in the application will also be the ground for liable to review/variation/revocation of the consent order under section 27 of the Water (Prevention & Control of Pollution) Act, 1974 and to make such variations as deemed fit for the purpose of the Acts.
- The occupier would immediately submit revised application for consent to operate to this Board in the event of any change in the quantity and quality of raw material / products / manufacturing process or quantity /quality of the effluent rate of emission / air pollution control equipment / system etc.



3. The applicant shall not change or alter either the quality or quantity or the rate of discharge or temperature or the route of discharge without the previous written permission of the Board.
4. The application shall comply with and carry out the directives/orders issued by the Board in this consent order without any negligence on his/her part. In case of non-compliance of any order/directives issued at any time and/or violation of the terms and conditions of this consent order, the applicant shall be liable for legal action as per the provisions of the Law.
5. The applicant shall make an application for grant of fresh consent at least 90 days before the date of expiry of this consent order.
6. The issuance of this consent does not convey any property right in either real or personal property or any exclusive privileges nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State laws or regulation.
7. The applicant shall display this consent granted to him in a prominent place for perusal of the public and inspecting officers of this Board.
8. An inspection book shall be opened and made available to Board's Officers during the visit to the factory.
9. The applicant shall furnish to the visiting officer of the Board any information regarding the construction, installation or operation of the plant or of effluent treatment system / air pollution control system / stack monitoring system any other particulars as may be pertinent to preventing and controlling pollution of Water / Air.
10. The applicant shall maintain good house-keeping within the premises.
11. The applicant shall provide port holes for sampling the emissions and access platform for carrying out stack sampling and provide electrical outlet points and other arrangements for chimneys/stacks and other sources of emissions so as to collect samples of emission by the Board or the applicant at any time in accordance with the provision of the Acts or Rules made therein.
12. The applicant shall provide all facilities and render required assistance to the Board staff for collection of samples / stack monitoring / inspection.
13. No control equipment or chimney shall be altered or replaced or as the case may be erected or re-erected except with the previous approval of the Board.
14. Any upset condition in hospital facilities / activities which is likely to result in increased effluent discharge/emission of air pollutants and / or result in violation of the standards mentioned shall be reported to the Headquarters and Regional Office of the Board by E-mail within 2 hours of its occurrence.
15. The occupier has to ensure that minimum three varieties of trees are planted at the density of not less than 1000 trees per acre. The trees may be planted along boundaries of the premises. This plantation is stipulated over and above the bulk plantation of trees in that area.
16. All solid wastes other than BMW arising in the premises shall be properly classified and disposed of to the satisfaction of the Board by:
  - i) Land fill in case of inert material, care being taken to ensure that the material does not give rise to leachate which may percolate into ground water or carried away with storm run-off.
  - ii) Controlled incineration, wherever possible in case of combustible organic material.
  - iii) Composting, in case of bio-degradable material.

17. Any toxic material shall be detoxicated if possible, otherwise be sealed in steel drums and buried in protected areas after obtaining approval of this Board in writing. The detoxication or sealing and burying shall be carried out in the presence of Board's authorized persons only. Letter of authorization shall be obtained for handling and disposal of hazardous wastes.
18. If due to any technological improvement or otherwise this Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any control equipment either in whole or in part) this Board shall after giving the applicant an opportunity of being heard, vary all or any of such condition and thereupon the applicant shall be bound to comply with the conditions so varied.
19. The applicant, his/heirs/legal representatives or assignees shall have no claim whatsoever to the condition or renewal of this consent after the expiry period of this consent.
20. The Board reserves the right to review, impose additional conditions or condition, revoke change or alter the terms and conditions of this consent.
21. Notwithstanding anything contained in this conditional letter of consent, the Board hereby reserves to it the right and power under section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 to review any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Act by the Board.
22. The conditions imposed as above shall continue to be in force until revoked under section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and section 21 A of Air (Prevention & Control of Pollution) Act, 1981.
23. In case the consent fee is revised during this period, the occupier shall pay the differential fees to the Board (for the remaining years) to keep the consent order in force. If they fail to pay the amount within the period stipulated by the Board the consent order will be revoked without prior notice.
24. The occupier shall comply to the conditions stipulated in CTE order issued by Odisha State Pollution Control Board and conditions stipulated in Environmental Clearances issued by MoEF&CC, Govt. of India.
25. The occupier shall abide by E(P) Act, 1986 and Rules framed there-under.
26. The Board reserves the right to revoke/refuse consent to operate at any time during period for which consent is granted in case any violation is observed and to modify/ stipulate additional conditions as deemed appropriate.



**E. SPECIAL CONDITIONS:**

01. This consent order is subject to all other statutory clearances as applicable.
02. The Hospital Authority shall obtain Consent to Establish (CTE) from the Board for enhancement of bed strength beyond the consented number of beds.
03. The unit shall maintain and operate the Effluent Treatment Plant (ETP) properly so that the treated water shall meet the prescribed standard mentioned at Section-A of the order. Effort shall be made to reuse the maximum quantity of the treated water for gardening / toilet flushing etc. The surplus treated water from ETP of the hospital shall be discharged to outside after meeting the standard.
04. **The unit shall install suitable ETP/STP of adequate capacity by Dtd. 31.03.2025.**
05. Under no circumstances, there shall be direct discharge of untreated wastewater from the hospital to outside.
06. There shall be separate drains for carrying wastewater to ETP for separating surface runoff generated from the hospital premises.
07. Biomedical wastes shall not be mixed with general wastes and the wastes shall be treated properly or handed over to authorized CBWTF for final disposal. Under no circumstances unsegregated and untreated biomedical waste shall be handed over to the outside for disposal.
08. The unit shall provide acoustic enclosure to the DG set to control noise level as per E(P) Rule, 1986 and to provide stack as per the following formula:  
$$H = h + 0.2\sqrt{KVA}$$

KVA = capacity of DG Set  
Where H = Height of stack attached to the DG in mtr.  
h = Height of the DG room where DG set is housed
09. Proper housekeeping shall be maintained.
10. Rainwater harvesting shall be followed by utilizing the rainwater collected from the roof of the administrative buildings for recharging of ground water within the premises as per the concept and practices prescribed by CPCB.

11. The unit shall develop a green belt along its boundary and vacant areas available inside the premises.
12. The unit shall obtain authorization under Biomedical Waste Management Rules, 2016.
13. The unit shall abide by the provisions of E (P) Act, 1986 and rules framed thereunder.
14. The hospital shall obtain permission from the competent authority for drawal of ground water and the same shall be submitted to the Board.
15. In case the consent fee is revised upward during this period, the hospital shall pay the differential fees to the Board (for the remaining years) to keep the consent order in force. If they fail to pay the amount within the period stipulated by the Board the consent order will be revoked without prior notice.
16. The Board reserves the right to revoke/refuse consent to operate at any time during period for which consent is granted in case any violation is observed and to modify / stipulate additional conditions as deemed appropriate.

To

**The Medical Officer, I/c,  
Sub Divisional Hospital, Pattamundai,  
At/PO: Pattamundai, Dist: Kendrapara.**



  
**CHIEF ENV. ENGINEER**

Memo No. \_\_\_\_\_ /Dt. \_\_\_\_\_ /

Copy forwarded to:

- i) CDMO, Kendrapara
- ii) Regional Officer, SPC Board, Paradeep for information.

  
**CHIEF ENV. ENGINEER**

## GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENT POLLUTANTS PART – A: EFFLUENTS

| Sl. No. | Parameters   | Standards   |               |                     |  |
|---------|--|---|---------------|---------------------|--|
|         |  | Inland surface  | Public sewers | Land for irrigation | Marine Costal Areas  |
|         |  | (a)   | (b)           | (c)                 | (d)  |
| 1.      | Colour & odour   | Colourless/<br>Odourless as far as practible                            | --            | See 6 of Annex-1    | See 6 of Annex-1   |
| 2.      | Suspended Solids (mg/l)  | 100   | 600           | 200                 | a. For process wastewater – 100<br>b. For cooling water effluent 10% above total suspended matter of influent. |
| 3.      | Particular size of SS  | Shall pass 850  | --            | --                  |  |
| 4.      | pH value   | 5.5 to 9.0  | 5.5 to 9.0    | 5.5 to 9.0          | 5.5 to 9.0   |
| 5.      | Temperature  | Shall not exceed 5 <sup>0</sup> C above the receiving water temperature | --            | --                  | Shall not exceed 5 <sup>0</sup> C above the receiving water temperature  |
| 6.      | Oil & Grease mg/l max.   | 10  | 20            | 10                  | 20   |
| 7.      | Total residual chlorine  | 1.0   | --            | --                  | 1.0  |
| 8.      | Ammonical nitrogen (as N) mg/l max.                                | 50  | 50            | --                  | 50   |
| 9.      | Total Kajeldahl nitrogen (as NH <sub>3</sub> ) mg/1 max.           | 100   | --            | --                  | 100  |
| 10.     | Free ammonia (as NH <sub>3</sub> ) mg/1 max.                       | 5.0   | --            | --                  | 5.0  |
| 11.     | Biochemical Oxygen Demand (5 days at (20 <sup>0</sup> C) mg/1 max. | 30  | 350           | 100                 | 100  |
| 12.     | Chemical Oxygen Demand, mg/1 max.                                  | 250   | --            | --                  | 250  |
| 13.     | Arsenic (as As) mg/1 max.  | 0.2   | 0.2           | 0.2                 | 0.2  |
| 14.     | Mercury (as Hg) mg/1 max.  | 0.01  | 0.01          | --                  | 0.001  |
| 15.     | Lead (as pb) mg/1 max.   | 01.   | 1.0           | --                  | 2.0  |
| 16.     | Cardmium (as Cd) mg/1 max.   | 2.0   | 1.0           | --                  | 2.0  |



| Sl. No. | Parameters   | Standards  |  |  |  |
|---------|--|--|--|--|--|
|         |  | Inland surface                                       | Public sewers  | Land for irrigation                                  | Marine Costal Areas                                  |
|         |  | (a)  | (b)  | (c)  | (d)  |
| 17.     | Hexavalent Chromium (as Cr + 6) mg/l max.                          | 0.1  | 2.0  | --   | 1.0  |
| 18.     | Total Chromium (as Cr) mg/l max.                                   | 2.0  | 2.0  | --   | 2.0  |
| 19.     | Copper (as Cu) mg/l max.   | 3.0  | 3.0  | --   | 3.0  |
| 20.     | Zinc (as Zn) mg/l max.   | 5.0  | 15   | --   | 15   |
| 21.     | Selenium (as Sc) mg/l max.   | 0.05   | 0.05   | --   | 0.05   |
| 22.     | Nickel (as Nil) mg/l max.  | 3.0  | 3.0  | --   | 5.0  |
| 23.     | Cyanide (as CN) mg/l max.  | 0.2  | 2.0  | 0.2  | 0.02   |
| 24.     | Fluoride ( as F) mg/l max.   | 2.0  | 15   | --   | 15   |
| 25.     | Dissolved Phosphates (as P) mg/l max.                              | 5.0  | --   | --   | --   |
| 26.     | Sulphide (as S) mg/l max.  | 2.0  | --   | --   | 5.0  |
| 27.     | Phenolic compounds as (C <sub>6</sub> H <sub>5</sub> OH) mg/l max. | 1.0  | 5.0  | --   | 5.0  |
| 28.     | Radioactive materials  |  |  |  |  |
|         | a. Alpha emitter micro curle/ml.                                   | 10 <sup>7</sup>                                      | 10 <sup>7</sup>                                      | 10 <sup>8</sup>                                      | 10 <sup>7</sup>                                      |
|         | b. Beta emitter micro curle/ml.                                    | 10 <sup>6</sup>                                      | 10 <sup>6</sup>                                      | 10 <sup>7</sup>                                      | 10 <sup>6</sup>                                      |
| 29.     | Bio-assay test   | 90% survival of fish after 96 hours in 100% effluent | 90% survival of fish after 96 hours in 100% effluent | 90% survival of fish after 96 hours in 100% effluent | 90% survival of fish after 96 hours in 100% effluent |
| 30.     | Manganese (as Mn)  | 2 mg/l   | 2 mg/l   | --   | 2 mg/l   |
| 31.     | Iron (Fe)  | 3 mg/l   | 3 mg/l   | --   | 3 mg/l   |
| 32.     | Vanadium (as V)  | 0.2 mg/l   | 0.2 mg/l   | --   | 0.2 mg/l   |
| 33.     | Nitrate Nitrogen   | 10 mg/l  | --   | --   | 20 mg/l  |

# NATIONAL AMBIENT AIR QUALITY STANDARDS

| Sl. No. | Pollutants   | Time Weighed Average | Concentrate of Ambient Air                   |  |  |
|---------|--|----------------------|--|--|--|
|         |  |                      | Industrial Residential, Rural and other Area | Ecologically Sensitive Area (notified by Central Government) | Methods of Measurement   |
| (1)     | (2)  | (3)                  | (4)  | (5)  | (6)  |
| 1.      | Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>                            | Annual *             | 50   | 20   | -Improved west and Gaeke   |
|         |  | 24 Hours **          | 80   | 80   | - Ultraviolet fluorescence   |
| 2.      | Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>                           | Annual *             | 40   | 30   | - Modified Jacob & Hochheiser (Na-Arsenite)  |
|         |  | 24 Hours **          | 80   | 80   | - Chemiluminescence  |
| 3.      | Particulate Matter (size less than 10µm) or PM <sub>10</sub> µg/m <sup>3</sup>   | Annual *             | 60   | 60   | -Gravimetric   |
|         |  | 24 Hours **          | 100  | 100  | - TOEM<br>- Beta Attenuation   |
| 4.      | Particulate Matter (size less than 2.5µm) or PM <sub>2.5</sub> µg/m <sup>3</sup> | Annual *             | 40   | 40   | -Gravimetric   |
|         |  | 24 Hours **          | 60   | 60   | - TOEM<br>- Beta Attenuation   |
| 5.      | Ozone (O <sub>3</sub> ) µg/m <sup>3</sup>  | 8 Hours **           | 100  | 100  | - UV Photometric   |
|         |  | 1 Hours **           | 180  | 180  | - Chemiluminescence<br>- Chemical Method   |
| 6.      | Lead (Pb) µg/m <sup>3</sup>  | Annual *             | 0.50   | 0.50   | -AAS/ICP method after sampling on EMP 2000 or equivalent filter paper.                               |
|         |  | 24 Hours **          | 1.0  | 1.0  | - ED-XRF using Teflon filter   |
| 7.      | Carbon Monoxide (CO) mg/m <sup>3</sup>   | 8 Hours **           | 02   | 02   | - Non Dispersive Infra Red (NDIR)  |
|         |  | 1 Hours **           | 04   | 04   | Spectroscopy   |
| 8.      | Ammonia (NH <sub>3</sub> ) µg/m <sup>3</sup>                                     | Annual*              | 100  | 100  | -Chemiluminescence   |
|         |  | 24 Hours**           | 400  | 400  | - Indophenol Blue Method   |
| 9.      | Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>                       | Annual *             | 05   | 05   | -Gas Chromatography based continuous analyzer<br>- Adsorption and Desorption followed by GC analysis |
| 10.     | Benzo (a) Pyrene (BaP)- Particulate phase only, mg/m <sup>3</sup>                | Annual*              | 01   | 01   | -Solvent extraction followed by HPLC/GC analysis   |
| 11.     | Arsenic (As), mg/m <sup>3</sup>  | Annual*              | 06   | 06   | -AAS/ICP method after sampling on EPM 2000 or equivalent filter paper                                |
| 12.     | Nickel (Ni), mg/m <sup>3</sup>   | Annual*              | 20   | 20   | -AAS/ICP method after sampling on EPM 2000 or equivalent filter paper                                |

\* Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

\*\* 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year, 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.