

FILE NO : KSPCB/MA/ICO/10005791/2022

Date of issue : 09-12-2022



KERALA STATE POLLUTION CONTROL BOARD

CONSENT TO

OPERATE/AUTHORISATION/REGISTRATION

ISSUED UNDER

The Water (Prevention & Control of Pollution) Act, 1974

The Air (Prevention & Control of Pollution) Act, 1981

and

The Environment (Protection) Act, 1986

As per Application No. : 10005791

Dated : 24-06-2022

To

**GOVT. TALUK HEAD QUARTERS HOSPITAL TIRURANGADI
THIRURANGADI PO,,MALAPPURAM DT.**

Consent No. : KSPCB/MA/ICO/10005791/2022

Valid Upto : 30-11-2027

1. GENERAL

1.1. This integrated consent is granted subject to the power of the Board to withdraw consent, review and make variation in or revoke all or any of the conditions as the Board deems fit

1	VALIDITY	30-11-2027
2	Name and Address of the establishment	GOVT. TALUK HEAD QUARTERS HOSPITAL TIRURANGADI THIRURANGADI PO,,MALAPPURAM DT. E-Mail : thqhtirurangadi@gmail.com Contact Number : 9495857322
3	Occupier Details	PREBHUDAS R S/O RAGHAVANKUTTY, JAWANS COTTAGE, EZHIPPURAM, PARIPPALLY, KOLLAM E-Mail : thqhtirurangadi@gmail.com Contact Number : null
4	Local Body	TIRURANGADI
5	Survey Number	356
6	Village	Thirurangadi
7	Taluk	Thiroorangadi
8	District	MALAPPURAM
9	Capital Investment(Rs in Lakhs)	200.0
10	Scale	Small
11	Category	ORANGE
12	Annual fee(Rs)	26000.0
	Total Fee remitted(Rs)	53300.0
13	Activity	HOSPITAL WITH 157 BEDS
14	Machinery details	DG set of 160 KVA

GENERAL CONDITIONS

2.1. This consent is granted subject to the power of the Board to review or make variations in all or any of the conditions as per the relevant Acts and Rules.

2.2. This consent is issued based on the information furnished in the application and is liable to be revoked if any of the information is found to be false at any stage.

2.3. For renewal of the integrated consent of the unit, the application shall be submitted to the Board 2months prior to the expiry of the validity of consent through the web portal of the Board. Late application will be accepted only with fine/late fee as applicable.

2.4. No change or alteration of the unit or the contents in this application shall be made without the prior written permission of the Board. Any change in the particulars furnished and/or in the identity of the occupier/ authorized agent shall to be intimated to the Board forthwith.

2.5. The location of the Sewage Treatment plant (STP),Septic tank, soak pit, DG set and other structures shall be as per the site plan attached. No change/alteration from that of the site plan shall be done without obtaining prior permission from the Board.

2.6. The applicant shall comply with the instructions the Board may issue from time to time regarding the control of land, water, air/sound pollution.

2.7. Signboard of size 6x4 ft. shall be provided near the main entrance of the hospital to display the name of the unit and important consent conditions.

2.8. In case of discharge/apprehended discharge of any water/air pollutant or any hazardous waste due to any accident or other unforeseen act or event, it shall be immediately intimated to the Board and the consentee shall make all possible efforts to mitigate/prevent/remediate the discharge/emission.

2.9. Necessary arrangements for scientific storage, handling, and disposal of any solid/hazardous/Plastic wastes/E- waste including garbage shall be provided as per the Solid Waste Management Rules 2016, Hazardous and other wastes (management and Handling) Rules 2016, Plastic waste (management and Handling) Rules 2016, E-waste (Management) Rules, 2016 in the unit.

2.10. Suitable species of trees and curtain plants shall be planted and maintained as far as possible within and along the periphery of the premises as far as possible, forming a green belt to improve the environment.

2.11. Natural drainage of the area shall not be disturbed.

2.12. Hygienic conditions shall be maintained within the unit and premises.

2.13. All operations likely to produce dust or noise shall be carried out within closed premises.

2.14. Water meter shall be provided and daily water consumption shall be recorded.

3. CONDITIONS AS PER The Water(Prevention and Control of Pollution)Act, 1974

3.1 In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the proposal submitted along with the application shall be made functional before commissioning. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1) (g) of the Water Act shall also be made along with.

3.2 Water Consumption : 77400 LPD

3.3 Effluent Generation : 61920 LPD

3.4 Mode of disposal of treated effluent : Into Soak pit till the construction of STP is completed. The treated effluent conforming to the standards mentioned shall be reused to the maximum extent possible, including irrigation. There shall be no discharge of untreated effluent from the unit into or outside the premises of the unit.

4. CONDITIONS AS PER The Air(Prevention and Control of Pollution)Act, 1981

4.1 Adequate air pollution control measures shall be provided before commissioning of the industry. Additional facilities required, if any, to achieve the standards laid down by the Board shall also be made along with.

Stack No.	Sources of Emission	Emission Rate(Nm ³ /Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	
1	DG SET	160 KVA	2.5 m		Acoustic enclosure

4.2 The dust and noise level measured 1 m outside the boundary of the unit shall comply with standards laid down under National Ambient Air Quality Standards and National Ambient Air Quality Standards for Noise respectively.

4.3 The Diesel generators (DG Sets) of 160 KVA shall be type approved and provided with acoustic enclosure. The DG set shall be provided with adequate capacity to run all associated pollution control devices.

5. CONDITIONS AS PER The Environment (Protection) Act, 1986.

5.1 The construction activities shall be carried out strictly in compliance with the provisions of the Noise Pollution (Regulation and Control) Rules 2000.

5.2 Used lead acid batteries shall be disposed of as per the Batteries (Management and Handling) Rules, 2022.

5.3 Hazardous waste generated, if any, shall be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

5.4 e-waste shall be disposed off safely as per the E-Waste (Management) Rules, 2016.

5.5. The Bio Medical wastes generated shall be segregated , collected and disposed of as per the Biomedical Waste Management, Rules, 2016 and subsequent amendments. The authorization under Biomedical Waste Management, Rules, 2016 is subject to conditions as may be specified in the Rules from time to time under the Environment (Protection) Act, 1986 and the authorization is liable to be revoked in case of non-compliance with the conditions thereof.

6. SPECIFIC CONDITIONS

6.1. The construction of the STP shall be completed within 6 months with additional treatment facilities required so as to achieve the standards prescribed by the Board. The treated effluent shall be conforming to the standards mentioned in condition no.6. and shall be reused to the maximum extent possible. Adequate reuse arrangements shall be provided before commissioning the unit.

6.2 Each and every effluent treatment unit shall be labelled and shall be constructed above ground level/ cellar of the establishment with sufficient lighting. There shall be easy access to each and every effluent treatment unit and the final outlet for inspection and drawing of effluent samples.

6.3. The STP, Septic tank and soak pit shall be functional at all times during the working of the hospital and

there shall not be any discharge of untreated effluent from the unit into any land/ water body.

6.4. The Septic tank provided shall be as per IS 2470 (part I) and Soak pit shall be concreted at the bottom, with perforated ring walls for the sides with 75 cm thick 2mm sand covering.

6.5. There shall be a minimum distance of 21 m from the STP and soakpit to the nearby residences

6.6. Continuous online effluent monitoring facility shall be provided at the inlet and outlet of Sewage treatment plant if provided underground without cellar for inspection facility and arrangements shall be provided to send the data to the monitoring server of the Board.

6.7. The treated effluent quality shall be as given below

a) Reuse standards:

1)pH - 6.5 - 8.5

2)Biochemical Oxygen Demand(BOD) 3 days @ 27°C -3mg/l

3)Oil and Grease - 1mg/l

4)Total Suspended solids(TSS) - 20mg/l

5)Total coliforms -Nil

b)Irrigation/Soak pit Standards

1)pH - 6.5 - 9

2)Biochemical Oxygen Demand(BOD) 3 days @ 27°C -10 mg/l

3)Chemical Oxygen Demand(COD) - 50 mg/l

4)Total Suspended Solids(TSS) - 10 mg/l

5)Ammoniacal Nitrogen(NH₄-N) - 5 mg/l

6)N-Total - 10 mg/l

7)Fecal Coliform – < 230 MPN/100 ml

6.8. Time of Day meter shall be installed exclusively for the effluent treatment and flow meter shall be provided for the reuse system and shall be maintained properly.

6.9. Log book shall be maintained to record the daily water consumption, treated effluent reused and power consumption of pollution control equipment and shall be made available to inspecting officers as and when demanded

6.10. Records related to generation, collection, reception, storage, and/or any form of handling biomedical waste shall be maintained and shall be made available for inspection by Board officers.

6.11. The following reports shall be submitted by the occupier at intervals as noted below: a. The Biomedical Annual report - in form IV on or before the 30th of June every year. b. E-waste Annual report - every year in form V on or before 30th September with details such as particulars. of e-waste, Quantity of e-waste disposed in the previous year, and mode of disposal. c. Annual Environmental Statement -in form V on or before 30th September every year. d. Analysis report of treated effluent collected from the outlet before the 10th of December every year.

SIGNATURE OF ISSUING AUTHORITY

CHIEF ENVIRONMENTAL ENGINEER



SITE PLAN OF A HOSPITAL
BUILDING IN RS NO :356/1B2,2-2
WARD NO: 32 AT TIRURA
NGADI MUNICIPALITY
FOR TIRURANGADI TALUK
HOSPITAL

APPROVAL:-

ENGINEER:-

SOBIR P. T
Licensed Surveyor
Arakkode
Reg No 0073194(NTC)
Mob 9544183408

LEGEND:-		Project. 814/22	Date:11 OCT 2022
ELECTRIC POST		SURVEYED BY:-  MERAKI HIGHTS SURVEYORS&ENGINEERING CONSULTANTS MOBILE: 9544183408,9037344420 E mail: merakiengineers@gmail.com web: www.merakiengineers.com	
GATE			
LAMP			
OTHER TREES			
BOUNDRY LINE			
BUILDING LINE			



SITE LOCATION PLAN
ENVIRONMENTAL ENGINEER

100m RADIUS