



TELANGANA STATE POLLUTION CONTROL BOARD
ZONAL OFFICE: HYDERABAD

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Uma Nagar, Begumpet, Hyderabad. Phone: 040-23402495
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CONSENT & AUTHORIZATION ORDER - RED CATEGORY

Consent Order No. 542-RR-II/TSPCB/ZOH/HCF/TS-iPASS/CFO/2024-²²⁶ Date: 28.10.2024

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof and Operation of the plant under section 21 of Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof), Authorization / Renewal of Authorization under Rule 6 of the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and BMW authorization / renewal of authorization under BMW management Rules, 2016 and amendments thereof.

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act, 1981, Authorization under the provisions of HW (M & TM) Rules, 2016 and Authorization under the provision of BMW Rules, 2016 and amendments thereof (herein after referred to as 'the Acts' 'the Rules') the rules and orders made thereunder to

**M/s. Malla Reddy Hospital,
Sy.No: 138, Main Road, Suraram,
Qutubullapur (M), Medchal-Malkajgiri District**

(Hereinafter referred to as 'the Applicant') and the HCF is authorized to operate the HCF to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys, by operating pollution control equipment, as detailed below:

i) Outlets for discharge of effluents:

| Outlet No. | Outlet Description | Max Daily Discharge | Point of Disposal | Limiting Standards |
|------------|--------------------|---------------------|---|--|
| 1. | Washings | 38.25 KLD | The infectious waste water shall be chemical disinfected with atleast 10% Sodium Hypochlorite. After disinfection, shall be treated in the STP* and the treated water shall be used partly on land for irrigation and the balance shall be discharged into a municipal sewer, after meeting prescribed standards. | pH - 5.5 - 9.0, Suspended Solids - 100.0 mg /l, Oil & Grease - 20.0 mg /l, Biochemical Oxygen Demand (3 days at 27 ^o C) ≤ 10.0 mg /l, Chemical Oxygen Demand - 250 mg/l, Bio -assay test - 90% survival of fish after 96 hours in 100% effluent. |
| 2. | Domestic | 153.0 KLD | After treatment in STP, treated water shall be let into municipal sewer. | |

***HCF having STP of 350 KLD (New STP of 150 KLD additional existing -200 KLD) (maintaining with 20% buffer) as per National Building Code (NBC) of India designed by Bureau of Indian standards for hospital for bed strength-1250 Nos.**

ii) Emissions from chimneys:

| Chimney No. | Description of Chimney | Quantity of Emissions at peak flow | Emission Standards |
|-------------|--|------------------------------------|------------------------------|
| 1. | Attached to DG set of capacity - 250 kVA | -- | SPM - 115 mg/Nm ³ |

| | | | |
|----|--|----|------------------------------|
| 2. | Attached to DG set of capacity – 500 kVA | -- | SPM – 115 mg/Nm ³ |
|----|--|----|------------------------------|

iii) Hazardous Waste Authorization: (Form – 2) [See Rule 6(2)]:

M/s. Malla Reddy Hospital, Sy.No: 138, Main Road, Suraram, Qutubullapur (M), Medchal-Malkajgiri District is hereby granted an authorization to operate a facility for collection, reception, storage, transport and disposal of the following wastes with quantities as mentioned below:

| Sl. No. | Name of the Hazardous Waste | Stream | Quantity of Hazardous waste | Disposal Option |
|---------|-----------------------------|----------------|-----------------------------|--|
| 1. | Waste Oil | 5.1 of Sch – I | 200 LPA | Shall be disposed to authorized recyclers / reprocessors of waste oil. |

iv) BMW AUTHORISATION (Issued under Rule 10 of the Bio-Medical Waste Management Rules, 2018):

M/s. Malla Reddy Hospital an occupier or operator of the facility located at Sy.No: 138, Main Road, Suraram, Qutubullapur (M), Medchal-Malkajgiri District is here by granted an authorization for Generation, Segregation, Collection & Storage of Bio-Medical Waste.

| Type of Waste Category | Quantity permitted for Handling |
|------------------------|---------------------------------|
| Yellow | 2970 Kg/month |
| Red | 945 Kg/month |
| White (Translucent) | 67.5 Kg/month |
| Blue | 67.5 Kg/month |

This order is subject to the provisions of 'the Acts' and the Rules' and amendments made thereunder and further subject to the terms and conditions incorporated in the schedule A, B, C and D enclosed to this order.

This consent and authorization is valid for operation of the Hospital with the following bed capacity 1250 Nos. only.

This combined order of Consent and Authorization is valid for a period ending with the 31.03.2025.

Encl: Schedules A, B, C & D.

To
M/s. Malla Reddy Hospital,
Sy.No: 138, Main Road, Suraram,
Qutubullapur (M), Medchal-Malkajgiri District
Email: tulasi_312@yahoo.co.in

JOINT CHIEF ENVIRONMENTAL ENGINEER

Sd/- 8/5/2024



Copy submitted to the Member Secretary, TSPCB, Board Office, Hyderabad for information.
 Copy to the Environmental Engineer, TSPCB, Regional Office, Medchal for information and necessary action.

SCHEDULE – A

1. The applicant shall make applications through online for renewal of Consent (under Water & Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts for obtaining Consent & HW Authorization of the Board. The applicant can also apply for Auto Renewal of the CFO atleast 30 days before the expiry of this order as per the procedure and eligibility stipulated in the Board Circular dt.19.11.2015 & 08.12.2015 (available in Board's Website: <http://tspcb.cgg.gov.in/Pages/Circulars.aspx>).
2. Concealing the factual data or submission of false information/ fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
3. The industry may explore the possibility of tapping the solar energy for their energy requirements.
4. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Rules, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.
5. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment.
6. Any person aggrieved by the BMW authorization, may prefer an appeal as per Rule, 16 of the BMW Rules, 2016.

SCHEDULE - B

Special Conditions:

1. ***HCF having STP of 350 KLD (New STP of 150 KLD additional, existing -200 KLD) (maintaining with 20% buffer) as per National Building Code (NBC) of India designed by Bureau of Indian standards for hospital for bed strength-1250 Nos.**
2. **The HCF shall obtain CFE/CFO for the increased bed strength of 650 Nos / for which the HCF has obtained EC vide order dt. 23.07.2023 from the SEIAA, Telangana, before starting any expansion construction works as per EC.**
3. **The HCF shall treat the disinfected washing effluents in STP along with domestic effluents. After treatment in STP, the treated water shall be used partly on land for irrigation and the balance shall be discharged into a municipal sewer, after meeting prescribed standards. The HCF shall provide separate digital energy meters for the operation of the STP and shall maintain logbook.**
4. **The HCF shall operate STP continuously and shall meet the standards prescribed by the Board.**
5. **The HCF shall regularly upload the Biomedical waste details in the Board's website.**
6. **The HCF (Health Care Facility) shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below as per circular dt. 21.12.2020 of the TSPCB:**
- 7.

| Sl. No. | Purpose | Quantity |
|---------|--------------------|----------|
| 1 | Process & Washings | 45 KLD |

| | | |
|---|--------------|----------------|
| 2 | Domestic | 180 KLD |
| | Total | 225 KLD |

8. The HCF shall comply with emission limits for DG sets upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.
9. The HCF should comply with the National ambient air quality standards as per MoEF, GoI notification dated. 16.11.2009 along the premises of the factory as prescribed below:

| S. No. | Parameters | Standards in $\mu\text{g}/\text{m}^3$ |
|--------|--|---------------------------------------|
| 1 | Particulate Matter (PM_{10}) | 100 |
| 2 | Particulate Matter ($\text{PM}_{2.5}$) | 60 |
| 3 | SO_2 | 80 |
| 4 | NO_x | 80 |

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)

Night time (10 PM to 6 AM) - 70 dB (A)

10. The HCF shall comply with all the Rules and Regulations specified in Water (P&C of P) Act, 1974, Air (P&C of P) Act, 1981, Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.
11. All the units of the Sewage Treatment Plant (STP) shall be impervious to prevent ground water pollution. The treated waste water shall be reused or recycled to the maximum extent possible. Adequate measures shall be taken to prevent odour problem from the solid waste processing plant and STP.
12. The HCF shall provide CC camera at waste storage area and pick up points of CBMWTF vehicle.
13. The HCF shall comply with all the Bio Medical Waste Management Rules, 2016 and its amendments thereof.
14. The HCF shall provide proper centralized air exhaust system in all the cellar areas to avoid suffocation.
15. Any other directions / circulars / notices issued by CPCB, MoEF&CC and TSPCB shall be followed from time to time.
16. The HCF shall submit an annual report to the prescribed authority (TSPCB) in Form - IV, on or before the 30th June of every year for the period from January to December of the preceding year.
17. It is the responsibility of the occupier of the HCF that the only segregated biomedical waste as per the Schedule - I of the BMW Management Rules, 2016 shall be handed over to common bio-medical waste treatment facility for treatment, processing and final disposal.
18. It shall be ensured that no untreated bio-medical waste shall be mixed with other wastes.
19. The bio-medical waste shall be segregated into containers or bags at the point of generation in accordance with Schedule I of the BMW Management waste treatment Rules, 2016 prior to its storage, transportation, treatment and disposal.
20. The containers or bags referred to in sub-rule [2] shall be labeled as specified in Schedule IV of the BMW Management Rules, 2016 & its amendments thereof. The bar coding and global positioning system shall be added by the Occupier and Common bio-Medical Waste treatment facility in one year time.
21. The HCF shall provide acoustic enclosure / silencers to the D. G. Set to control noise pollution.
22. The HCF shall develop thick green belt all along the boundary of the unit and also in the vacant places with all tall growing trees with wide leaf area.

23. There shall not be any odour nuisance in the surroundings of the HCF.
24. The Mercury spillage / losses due to breakage of Thermometers, pressure and other measuring equipment in Health Care Facilities shall be collected, stored and send back to the manufacturers.
25. The occupier of HCF shall take all necessary measures to ensure that the spilled mercury does not become part of Bio-Medical or other solid waste generated from the HCF.
26. This Order is issued to the industry without prejudice to the action taken by the Task Force of the Board.
27. The conditions stipulated in this order are without any prejudice to the rights and conditions of this Board in any Hon'ble Court of Law.

SCHEDULE - C
(See Rule 6(2))

(Conditions of Authorization for occupier or operator handling hazardous wastes)

1. The industry shall give top priority for waste minimization and cleaner production practices.
2. The industry shall not store hazardous waste for more than 180 days as per the Hazardous & other wastes (Management and Transboundary Movement) Rules, 2016 and its amendment thereof.
3. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal.
4. The industry shall not dispose Waste oils to the traders and the same shall be disposed to the authorized Reprocessors / Recyclers.
5. The industry shall dispose Used Lead Acid Batteries to the manufacturers / dealers on buyback basis.
6. The industry shall take necessary practical steps for prevention of oil spillages and carry over of oil from the premises.
7. The industry shall maintain good housekeeping & maintain proper records for Hazardous Wastes stated in Authorisation.
8. The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule B & C of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.
9. The industry shall dispose the e-waste to authorized recyclers / dismantlers only.

SCHEDULE - D
(See Rule 10)

(CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING BIO MEDICAL WASTES)

1. Biomedical waste shall be treated and disposed in accordance with Schedule I (Part I EII) and in compliance with standards provided in Schedule II of the Bio-Medical Waste Management Rules, 2016 & its amendments thereof should be carried out at source only. Only Yellow, Red, Blue, non chlorinated bags shall be used for collection of BMW.
2. Take all necessary steps to ensure that bio-medical waste is handled without any adverse effect to human health and the environment and in accordance with these rules.
3. Make a provision within the premises for a safe, ventilated and secured location for storage of segregated biomedical waste in colored bags or containers in the manner as specified in Schedule I, to ensure that there shall be no secondary handling, pilferage of recyclables or inadvertent scattering or spillage by animals and the bio-medical waste from such place or premises shall be directly transported in the manner as prescribed in these rules to the common bio-medical waste treatment facility or for the appropriate treatment and disposal, as the case may be, in the manner as prescribed in Schedule I.
4. Pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilisation on-site in the manner as prescribed by the World

Health Organisation (WHO) or National AIDs Control Organisation (NACO) guidelines and then sent to the common bio-medical waste treatment facility for final disposal.

5. Phase out use of chlorinated plastic bags, gloves and blood bags within two years from the date of notification of BMWWM Rules, 2016 & its amendments thereof.
6. Dispose of solid waste other than bio-medical waste in accordance with the provisions of respective waste management rules made under the relevant laws and amended from time to time.
7. Not to give treated bio-medical waste with municipal solid waste.
8. Provide training to all its health care workers and others, involved in handling of bio medical waste at the time of induction and thereafter at least once every year and the details of training programmes conducted, number of personnel trained and number of personnel not undergone any training shall be provided in the Annual Report.
9. Immunise all its health care workers and others, involved in handling of bio-medical waste for protection against diseases including Hepatitis B and Tetanus that are likely to be transmitted by handling of bio-medical waste, in the manner as prescribed in the National Immunisation Policy or the guidelines of the Ministry of Health and Family Welfare issued from time to time.
10. Establish a Bar- Code System for bags or containers containing bio-medical waste to be sent to CBMWTF within one year from the date of the notification of these rules.
11. Ensure segregation of liquid chemical waste at source and ensure pre-treatment or neutralization prior to mixing with other effluent generated from health care facilities.
12. Ensure treatment and disposal of liquid waste in accordance with the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974).
13. Ensure occupational safety of all health care workers and others involved in handling of biomedical waste by providing appropriate and adequate personal protective equipments.
14. Conduct health check up at the time of induction and at least once in a year for all its health care workers and others involved in handling of bio- medical waste and maintain the records for the same.
15. Maintain and update on day to day basis the bio-medical waste management register and display the monthly record on its website according to the bio-medical waste generated in terms of category and colour coding as specified in Schedule I.
16. Report major accidents including accidents caused by fire hazards, blasts during handling of biomedical waste and the remedial action taken and the records relevant thereto, (including nil report) in Form I to the prescribed authority and also along with the annual report.
17. Make available the annual report your official web-site within two years from the date of notification of BMWWM Rules, 2016 & its amendments thereof.
18. Inform the Prescribed Authority i.e, TSPCB immediately in case the Operator of a common facility does not collect the bio-medical waste within 48 hours or as per the agreed time.
19. Establish a system to review and monitor the activities related to bio-medical waste management, either through an existing committee or by forming a new committee and the Committee shall meet once in every six months and the record of the minutes of the meetings of this committee shall be submitted along with the annual report to the prescribed authority.
20. Maintain all record for operation of incineration, hydro or autoclaving etc., for a period of five years.
21. All plastic bags shall be as per BIS standards as and when published, till then the prevailing Plastic Waste Management Rules shall be applicable.
22. Dead Fetus below the viability period (as per the Medical Termination of Pregnancy Act, 197, amended from time to time) can be considered as human anatomical waste. Such waste should be handed over to the operator of common bio medical waste treatment and

- disposal facility in yellow bag with a copy of the official Medical Termination of Pregnancy certificate from the Obstetrician or the Medical Superintendent of hospital or health care establishment.
23. Cytotoxic drug vials shall not be handed over to unauthorized person under any circumstances. These shall be sent back to the manufacturers for necessary disposal at a single point. As a second option, these may be sent for incineration at common bio medical waste treatment and disposal facility or TSDFs or plasma pyrolysis is at temperature >12000C.
 24. Residual or discarded chemical wastes, used or discarded disinfectants and chemical sludge can be disposed at hazardous waste treatment, storage and disposal facility. In such, the waste should be sent to hazardous waste treatment, storage and disposal facility through operator of common bio medical waste treatment and disposal facility only.
 25. Syringes should be either mutilated or needles should be cut and or stored in tamper proof, leak proof and puncture proof containers for sharps storage. Wherever the occupier is not linked to a disposal facility it shall be the responsibility of the occupier to sterilize and dispose in the manner prescribed.
 26. The Occupier shall hand over segregated waste as per the Schedule-I to common bio-medical waste treatment facility for treatment, processing and final disposal.
 27. Every occupier shall phase out use of non-chlorinated plastic bags within two years from the date of publication of these rules and after two years from such publication of these rules, the chlorinated plastic bags shall not be used for storing and transporting of bio medical waste and the occupier or operator of a common bio medical waste treatment facility shall not dispose of such plastics by incineration and the bags used for storing and transporting bio medical waste shall be in compliance with the Bureau of Indian Standards. Till the standards are published, the carry bags shall be as per the Plastic Waste Management Rules, 2016.
 28. The Occupier shall maintain a record of recyclable wastes which are auctioned or solid and the same shall be submitted to the prescribed authority as part of its annual report. The record shall open for inspection by the prescribed authorities.
 29. All syringes and needles should be mutilated before discarding.
 30. Mutilation / shredding must be such so as to prevent unauthorised reuse.
 31. No untreated Bio-Medical Waste shall be kept stored beyond a period of 48 hours.
 32. The Mercury spillage / losses due to breakage of Thermometers, pressure and other measuring equipment in Health Care Establishments shall be collected stored and send back to the manufacturers.
 33. The occupier of HCF shall take all necessary measures to ensure that the spilled mercury does not become part of bio-medical or other solid waste generated from the HCF.
 34. The occupier of HCF shall dispose any waste containing equal to or more than 50mg/Kg of Mercury, as per the provisions of Hazardous Waste (Management & Handling) Rules, 1989 and amendments thereof.
 35. The Bio-Medical Waste shall be disposed for treatment after disinfection and segregation to the following Common Bio-Medical Waste Treatment Facility:
**“M/s. Maridi Bio Industries Pvt. Ltd,
Sy.No.63/1. Maddur (V),
Narsapur (M), Medak District”.**
 36. No Health Care Establishment shall install or operate an incinerator without specific authorisation of Prescribed Authority.
 37. The effluents generated from the hospital should conform to the standards prescribed in schedule-I of Bio-Medical Waste Management Rules, 2016.
 38. The applicant shall obtain consent for operation under Water (P&C of P) Act 1974 and Air (P&C of P) Act 1981 & its amendments thereof.

39. The HCF should provide adequate fire protection equipment (such as smoke detectors, fire extinguishers, sand bucket, fire alarm, water sprinklers etc) at salient places within the HCFs even at Bio Medical Waste storage area, in accordance with fire safety regulations and the HCF should obtain certificate from fire department.
40. The authorization shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
41. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the prescribed authority.
42. The person authorized shall not rent, lend, sell, transfer or otherwise transport the bio medical wastes without obtaining prior permission of the prescribed authority.
43. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
44. It is the duty of the authorized person to take prior permission of the prescribed authority to close down the facility and such other terms and conditions may be stipulated by the prescribed authority.

ANY CONTRAVENTION OF THE CONDITIONS OR DIRECTIONS OF AUTHORISATION WILL ATTRACT PROSECUTION UNDER THE PROVISIONS OF THE ENVIRONMENT (PROTECTION) ACT, 1986.

Sulky 8/5/2024
JOINT CHIEF ENVIRONMENTAL ENGINEER

RAJ



To
M/s. Malla Reddy Hospital,
Sy.No: 138, Main Road, Suraram,
Qutubullapur (M), Medchal-Malkajgiri District.