



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamavari Street, Kasturibalpet, Vijayawada - 520 008
Phone. No.0866-2436217, Website : www.appcb.ap.nic.in

RED CATEGORY
RENEWAL OF CONSENT, HW AUTHORIZATION AND BMW AUTHORIZATION ORDER
BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE

Consent Order No : APPCB/VJA/NLR/NMC&H/HO/CFD/2017-

Date: 08.09.2017

CONSENT is hereby granted for Operation 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 and amendments thereof and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary, Movement) Rules, 2016 and the rules and orders made there under and Authorisation under Rule 10 of the Bio-Medical Waste Management Rules, 2016 (hereinafter referred to as 'the Acts', 'the Rules') to:

M/s. Narayana Medical College and Hospital,
Chinthareddypalem, Nellore,
SPS Nellore District
E-mail:

(Hereinafter referred to as the Applicant) authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

(i) Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge KLD	Point of Disposal
1.	Domestic/Washings (waste generated from laboratory, washing, cleaning, housekeeping, disinfecting activities etc)	550	On land for plantation within the premises after treatment in Sewage Treatment Plant

(ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow (m ³ /hr)
1	Attached to 1x 725 KVA + 2x500 KVA + 1x250 KVA D.G. Sets	..

(iii) HAZARDOUS WASTE AUTHORISATION (FORM - II) [See Rule 6 (2)]:

M/s. Narayana Medical College and Hospital, Chinthareddypalem, Nellore, SPS Nellore District is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

• HAZARDOUS WASTES WITH RECYCLING OPTION:

Sl. No	Name of Hazardous Waste	Stream	Quantity	Method of disposal
1.	Waste lubricating oil	5.1 of Schedule - I	200 LPA	Disposed to authorized agencies of APPCB.

This order is valid for operation of HCF by name M M/s. Narayana Medical College and Hospital, Chinthareddypalem, Nellore, SPS Nellore District with capacity of 1560 beds.



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BMWM AUTHORISATION

(Rule 10 of the Bio-Medical Waste Management Rules, 2016)

This authorization for generation, segregation and safe-disposal of Bio-Medical Waste is issued to M/s. Narayana Medical College and Hospital, Chintharerrypalem, Nellore, SPS Nellore District subject to the terms and conditions.

This authorization is valid for 1560 beds of the HCF with the following Bio Medical Waste generation:

Type of Waste category	Quantity permitted for handling
Yellow	153 Kg/day
Red	58 Kg/day
White (Translucent)	7.0 Kg/day
Blue	4.0 Kg/day

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

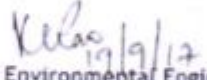
This combined order of consent, Hazardous Waste & Bio Medical Waste Authorization shall be valid for a period ending with the 31st day of August, 2022.

Sd/-
MEMBER SECRETARY

To

M/s. Narayana Medical College and Hospital,
Chintharerrypalem, Nellore,
SPS Nellore District

// T.C.F.B.O. //



Joint Chief Environmental Engineer
Unit Head-IV

SCHEDULE-A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The hospital should carryout analysis of waste water discharges for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The facility should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.
5. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The facility shall file the water cess returns in Form-I as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5th of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water cess as per the assessment orders as and when issued by Board.
7. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
8. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules and BMWM Authorisation at least



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120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and for BMWV authorization and detailed compliance of this combined order conditions for obtaining Consent, HW Authorization and BMWV Authorisation of the Board. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.

9. 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 Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to 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.
10. Any person aggrieved by the BMWV authorization, may prefer an appeal as per Rule 16 of BMWV Rules, 2016.

SCHEDULE-B

WATER POLLUTION:

1. The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below:

Outlet	Parameter	Limiting Standards
1	pH	6.5 - 9.0
	Total Suspended Solids	100 mg/l
	Total Dissolved Solids	2100 mg/l
	Oil and Grease	10 mg/l
	BOD ₅ at 27°C	≤ 10 mg/l
	COD	250 mg/l
	Total residual chlorine	0.5 - 1.0 mg/l
	Bio Assay test	90% survival of fish after 96 hours in 100% effluent

2. The source of water is bore well. The following is the permitted water consumption:

Sl. No.	Purpose	Quantity (KLD)
1	Industrial cooling, boiler feed.	--
2	Domestic and hospital services	600
3	Process, whereby water gets polluted and pollutants are easily bio degradable.	
4	Processing, whereby water gets polluted and the pollutants are not easily bio - degradable.	
Total		600

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above for Cess assessment purpose.

3. All the units of the STP shall be impervious to prevent ground water pollution. The treated wastewater shall be reused or recycled to the maximum extent possible.
4. Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.

AIR POLLUTION:

1. Diesel generator sets shall be installed in a closed area with silencers and suitable noise absorption systems. The ambient noise level shall not exceed 50 dB (A) during day time and 40 dB (A) during night time.
2. The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10µm) - 100 µg/ m³; PM2.5 (Particulate Matter size less than 2.5 µm) - 60 µg/ m³; SO₂ - 80 µg/ m³; NO_x - 80 µg/m³, outside the factory premises at the periphery of the industry.
Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

GENERAL:

1. The facility shall operate Sewage Treatment Plant with a capacity of 600 KLD. All the units of the STP shall be impervious to prevent ground water pollution. The treated wastewater shall be reused or recycled to the maximum extent possible.



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2. The facility shall not to dispose the used saline bottles to plastic venders.
3. The facility shall not to mix the domestic waste with Bio medical waste and provide separate storage room for domestic waste.
4. Rain water harvesting for roof run-off and surface run-off should be implemented. Before recharging the surface run off, pre-treatment must be done to remove, suspended matter, oil and grease.
5. Storm water control and its re-use shall be as per CGWB and BIS standards for various applications.
6. The solid waste generated shall be properly collected and segregated before disposal to the city municipal facility. Waste paper, cartons, thermo coal, plastic waste, glass etc., shall be disposed to recycling units. E-waste shall be disposed to authorized recycling units. The in-vessel bio-conversion technique shall be used for composting the organic waste. The following rules and regulations notified by the MoEF&CC, Govt shall be implemented.
 - a) Bio Medical Waste Management Rules, 2016.
 - b) Demolition & Destruction Waste Management Rules, 2016
 - c) Solid Waste Management Rules, 2016
 - d) Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016
 - e) Batteries (Management & Handling) Amendment Rules, 2010.
 - f) E-Waste Management Rules, 2016.
 - g) Noise Rules, 2000.
6. The facility shall provide proper centralized air exhaust system in all the cellar areas to avoid suffocation.
7. Any other directions / circulars / notices issued by CPCB, MoEF&CC and APPCB shall be followed from time to time.
8. The facility shall develop green belt in all the vacant places within three months. In future, excess green belt over and above 33 % of total area can be utilized for industrial activity as per requirement of industry.

SCHEDULE - C
[See rule 6(2)]

[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]

1. All the rules and regulations notified by Ministry of Environment and Forests, Government of India under the E(P) Act, 1986 in respect of management, handling, transportation and storage of the Hazardous wastes should be followed.
2. The facility shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
3. The facility shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
4. The facility shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.
5. The industry shall maintain proper records for Hazardous & other wastes stated in Authorisation in FORM-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof.
6. The facility shall submit the condition wise compliance report of the conditions stipulated in Schedule A, B, C & D of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.

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 & II) and in compliance with standards provided in Schedule II of the Bio-Medical Waste Management Rules, 2016 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



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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 BMWM Rules, 2016.
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 BMWM Rules, 2016;
18. Inform the Prescribed Authority i.e, APPCB 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



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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 at temperature $>1200^{\circ}\text{C}$.
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 HCE 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 HCE.
34. The occupier of HCE 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. S S Bio-Care, D.No 0271-1076,
3rd Crass Road, Ramji Nagar,
Near Children's Park, Nellore 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.
39. The HCE should provide adequate fire protection equipment (such as smoke detectors, fire extinguishers, sand bucket, fire alarm, water sprinklers etc) at salient places within the HCEs even at Bio Medical Waste storage area, in accordance with fire safety regulations and the HCE should obtain certificate from fire department.



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Chinthareddypalem,
NELLORE - 524 003,**

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.

Sd/-

MEMBER SECRETARY

To
M/s. Narayana Medical College and Hospital,
Chinthareddypalem, Nellore,
SPS Nellore District

// T.C.F.B.O. //

K. S. S. S.
19/9/17
Joint Chief Environmental Engineer
Unit Head-IV



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GREEN WAVES
ENVIRONMENTAL SOLUTIONS

Certificate of Recycling

GreenWaves Environmental Solutions

Reference:GWES0216045

Authorisation:2/APPCB/E-Waste/2016

Organisation Name NARAYANA MEDICAL COLLEGE AND HOSPITALS

GreenWaves Environmental Solutions Would like to thank and present this certificate for recycling obsolete electronic waste.

Weight: 1975 kg's

Date: 11-09-2018

All The Material has been collected and handled in an environment friendly manner, in accordance with the guidelines set by the **Central Pollution Control Board**. We encourage you to continue the support for E-Waste management in environmentally friendly manner.



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P. Anil Chowdary

Potluri Anil Chowdary

Managing Director
GreenWaves Environmental Solutions



S.S. BIO CARE

Managing Bio - Medical Waste
Safe Guarding The Environment



Certificate of Membership

This is certify that M/s NARAYANA MEDICAL COLLEGE HOSPITAL (NELLORE)

No. of Beds / Clinic 1560 BEDS

The healthcare establishment is a member of S.S.Bio Care Common Bio-Medical Waste Treatment Facility at SPSR Nellore Dt.

S.S. Bio Care is authorized by the A.P.Pollution Control Board to Collect, Transport, Treat and safely dispose the bio-medical waste. S.S. Biocare has been collecting bio-medical waste generated from this health care establishment.

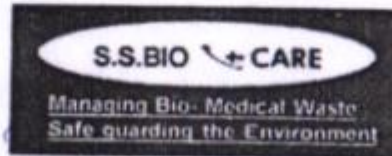
This Certificate is valid from 01-04-2020 to 31-03-2021.



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B. Srinivasulu Reddy

B. Srinivasulu Reddy
Managing Partner