



TELANGANA STATE POLLUTION CONTROL BOARD

Paryavarana Bhavan, A-III, Industrial Estate, Sanathnagar, Hyderabad-500 018
Phones : 040-23887500 Fax: 040-23815631

**RENEWAL OF CONSENT & AUTHORISATION ORDER
BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE**

Consent Order No:632/TSPCB/BMWM/CBMWTF/MBNR/2008 - 844 Date:25.06.2016

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, Operation of the plant under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof, authorization under Rule 5 (4) of the Hazardous Wastes (Management & Handling) Rules, 2008 and Authorisation under Rule 10 of the Bio Medical Wastes Management Rules, 2016..

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 Authorisation under the provisions of HW (Management and Transboundary Movement) Rules and Authorisation under the provisions of BMW Management Rules, (hereinafter referred to as 'the Acts', the Rules') and the rules and orders made thereunder to

**M/s. Svethansh & Company, Sy.No.214/A/1,
Shapur (V), Ghanpur (M),
Mahaboobnagar district.**

(hereinafter referred to as 'the Applicant') authorizing to operate the Common Bio-Medical Waste Treatment Facility 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.	Process (from scrubbing) & Washings	0.5 KLD	Recycling within the Process
2.	Floor washing & Autoclave	1.5 KLD	On land for irrigation after treatment in ETP
3	Domestic	0.1 KLD	Septic tank followed by soak pit.
	TOTAL	2.1 KLD	

II. Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of emissions in m3/hr. at peak flow
1	Attached to 100 Kg/Hr HSD fired incinerator.	--
2	Attached to 1x30 KVA DG Set	--

III. HAZARDOUS WASTE AUTHORIZATION
(FORM – II)
[SEE RULE – 3 (c) & 5 (5)]

Authorisation and date of issue – 632/TSPCB/BMW/CBMWTF/MBNR/2008-Dt.25.06.2016.

M/s. Svethansh & Company, Sy.No.214/A/1, Shapur (V), Ghanpur (M), Mahaboobnagar district, is hereby granted an Authorisation to operate a facility for collection reception, storage, treatment, transport and disposal of Hazardous Wastes namely

S. No	Name of the Hazardous Waste	Stream	Quantity of Hazardous Waste	Disposal Option
1	Incinerator Ash	36.2 of Schedule – I	25 Kgs / day	TSDF, Dundigal Rangareddy district.
2	ETP Sludge	34.3 of Schedule – I	5.0 Kgs / day	

IV. Bio-Medical Waste Authorisation (Form – III) [See Rule 10]

(Authorisation for operating a facility for collection, reception, treatment, storage transport and disposal of biomedical waste)

M/s. Svethansh & Company, is hereby granted an authorization to operate a facility for collection, reception, storage, transport and disposal of biomedical waste in the premises situated at **Sy.No.214/A/1, Shapur (V), Ghanpur (M), Mahaboobnagar district**.

This order is valid to collect, transport, treat and safe disposal of Bio-medical Waste generated from the HCEs/Hospitals located in **Mahaboobnagar district**, in accordance with the Bio-Medical Waste Management Rules, 2016 and the guidelines for Common Bio-medical Waste Treatment Facility, issued by Central Pollution Control Board.

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

This combined order of Consents, Hazardous Waste & Bio- medical waste Authorisation shall be valid for a period ending with the **31th Day of January, 2021**.

Sd/-
MEMBER SECRETARY

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To

**M/s. Svethansh & Company, Sy.No.214/A/1,
Shapur (V), Ghanpur (M),
Mahaboobnagar district.**

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

Aggk
Senior Environmental Engineer
(Unit Head – III)

SCHEDULE - A

1. The applicant shall make applications for renewal of Consent (under Water and Air Acts), Authorisation under BMW Rules and Authorisation 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, along with prescribed fee under BMW Rules for obtaining BMW Authorisation and HW Authorisation of the Board.
2. The applicant shall 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 etc.
3.
 - a) All the fugitive emissions shall be controlled with proper measures.
 - b) The applicant shall also install the equipment such as wind speed recorder, wind direction recorder.
4. The applicant shall not change or alter either the quality or the quantity or the rate of the discharge or the route of discharge and shall not change or alter either the prescribed quality or the rate of emission without the previous written permission of the Board.
5. The applicant shall, not later than 30 days from the date of issue of this consent order, certify in writing to the Board that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities installed by the applicant, to comply with the terms and conditions of this consent. In absence of alternative electric power source sufficient to operate all facilities installed by the applicant, to comply with the terms and conditions of this consent, production shall be stopped.
6. Any up-set condition in any plant/plants of the facility, which result in, increased effluent discharge and/ or violation of standards stipulated in this order or the emission of any Air Pollutant into the environment in excess of the standards laid down by the Board, occurs or is apprehended to occur due to accident, or other unforeseen act or event, the person-in-charge of the premises, from where such discharge / emission occurs or is apprehended to occur shall forthwith intimate the fact of such occurrence or the apprehension of such occurrence to this Board, by fax / email under intimation to the Collector and District Magistrate.
7. In case of such episodal discharges / emissions mentioned in item 6 above, the facility should take immediate action to bring down the discharge / emission below the limits prescribed in this order.
8. A good house keeping shall be maintained both within the factory and in the premises. All hoods, pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the effluent collection system only and shall not be allowed to find their way into storm drains or open areas.
9.
 - a) The facility shall carryout analysis of waste water discharges or emissions through chimneys, for the parameters mentioned in Schedule - B of this order at regular intervals.
 - b) The facility shall maintain following records accessible to the Board, whenever required.
 - Analysis reports of waste water/ emissions.
 - Log book for operation of pollution control systems.
 - Inspection book
10. The applicant shall set up THREE Ambient Air Quality Monitoring Stations for continuous recording of relevant critical parameters mentioned in Schedule - B as per the CPCB guidelines and submit monthly reports

11. Separate power connection with energy meter shall be provided for the Pollution Control Equipments and record of power consumption and chemicals consumption for the operation of pollution control equipment shall be maintained separately.
12. The applicant shall comply with the directives/orders issued by the Board in this order and at all subsequent times without any negligence on his part. The applicant shall be liable for such legal action against him as per provisions of the Law/Act in case if non-compliance of any order/directive issued at any time and/or violation of the terms and conditions of this consent order.
13. The applicant shall furnish to the visiting officer and / or the Board any information regarding the construction, installation or operation of the effluent treatment system / air pollution control equipment / secured storage area of Hazardous Waste and such other particulars as may be pertinent for preventing and controlling pollution.
14. The facility is liable to pay compensation for any environmental damage caused by it, as fixed by the Collector and District Magistrate as Civil liability.
15. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 shall be followed.
16. The occupier shall educate the workers and nearby public of possible accidents and remedial measures.
17. Any person authorized shall not rent, lend, transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
18. Any unauthorized change in personnel, equipment as working condition as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
19. The facility shall put up two sign boards (6x4 ft. each) at publicly visible places at the main gate. The first sign board shall provide information on specific conditions of CFO and Hazardous Waste Authorisation. The second sign board shall display online data on quantity and nature of hazardous chemicals being used in the plant, as well as water, air emissions and solid waste generated within the factory premises.
20. The applicant shall exhibit the Consent, HW BMW Authorisation order of the Board in the factory premises at a prominent place for the information of the inspecting officers of the different departments.
21. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves the right and powers under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and its amendments thereof **and** under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and its amendments thereof to review 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.
22. The authorisations issued under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and Bio-Medical Waste Management Rules, 2016 shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
23. Facility shall produce Combined order for inspection at the request of an officer authorized by the prescribed authority.
24. For any accident or spillage of hazardous wastes causing damage to the Environment, the occupier or the transporter as the case shall be held responsible.

25. In case of closure of facility, the un-used/not consumed raw materials falling under the category of Hazardous Chemicals and mentioned in Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amendment Rules, 2003 shall be removed and sold to other units within 90 days from the date of closure to prevent any possibility of occurrence of an accident. In case the above hazardous chemicals have lost their properties originally acquired, then they shall be treated, as Hazardous Waste and they should be disposed off only to the agencies authorized by TSPCB in a safe manner.
26. The occupier shall prepare/update Emergency preparedness plan for safe handling of hazardous waste from time to time and submit the same to TSPCB. Emergency preparedness plan must be implemented immediately whenever there is fire, explosion or release of hazardous waste or hazardous waste constituents, which could endanger to human health or environment.
27. Packaging, labeling and transportation of Hazardous Wastes shall be in accordance with the provisions of the rules issued by the Central Govt. under the Motor Vehicles Act, 1988 and other guidelines issued from time to time. The packaging and labeling shall be based on the composition and hazardous constituent of the waste, however all Hazardous Waste containers should be provided with a general label.
28. 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 shall carry a Transport Emergency (TREM) Card (as given in the guidelines for management and handling of hazardous wastes) duly filled by the Hazardous Waste generator.
29. No Hazardous Wastes shall be mixed with any other wastes or shall be discharged to a common, other internal, external sewerage or other drainage system without prior approval of TSPCB.
30. The facility shall comply with the provisions of Batteries (Management & Handling) Rules, 2001.
31. 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 such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

SCHEDULE - B

Special Conditions

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

Outlet	Parameter No.	Limiting Standards
1	PH	6.50 - 9.00
	Total Suspended solids (at 103 - 105° C)	200
	Total Dissolved Solids (TDS)	2100
	Oil and Grease	10
	Chemical Oxygen Demand (COD)	250
	Biochemical Oxygen Demand (3 days at 27° C)	30

2. The facility shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below:

S. No	Purpose.	Quantity (KLD)
1.	Process (Scrubbing) & Washings	1.0 KLD
2.	Floor Washing	1.5 KLD
3.	Domestic	0.2 KLD
4.	Gardening	3.7 KLD
	Total	6.4 KLD

3. 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 facility shall remit water cess as per the assessment orders as and when issued by Board.
4. The facility shall provide suitable water meters with recording facility and the meter readings shall be furnished in the water CESS returns.
5. The incinerator shall meet the following operating standards:
- Combustion efficiency (CE) shall be at least 99.00%.
 - The Combustion efficiency is computed as follows:
$$C.E = \frac{\%CO_2}{\%CO_2 + \%CO} \times 100$$
 - The temperature of the primary chamber shall be $800 \pm 50^\circ C$.
 - The secondary chamber gas residence time shall be at least 1(one) second at $1050 \pm 50^\circ C$, with minimum 3% Oxygen in the stack gas.
6. The emissions from incinerator shall not contain constituents in excess of the prescribed limits mentioned below.

Chimney No.	Parameters	Concentration mg/Nm ³ at (12% CO ₂ correction)
1	Particulate matter	150
	Nitrogen Oxides	450
	HCl	50

7. **The facility shall provide GPS vehicle tracking to all vehicles carrying Bio Medical Waste.**
8. **The facility shall register all the HCEs for processing of online manifest system within 15 days.**
9. **The facility shall install continuous stack emission monitoring system within one month and connect to CPCB & SPCB websites, and inform the same to the concerned RO.**
10. There should not be any manual handling during charging of waste in to the primary chamber of the incinerator. The waste should be charged in bags at the supplier's recommended intervals through a conveyer & loading device ensuring no direct exposure of the operator to the furnace atmosphere. The device should prevent leakage of hot flue gas & any backfire in the loading hopper / device. The waste shall be introduced on the hearth in such a way so as to prevent the heap formation. Suitable raking arrangement shall be provided for uniform spreading of waste on the hearth.

11. A PLC (Programmable Logic Control) based control system shall be installed to the incinerator.
12. The Air Pollution control equipment shall be operated continuously.
13. Graphic or computer recording devices installed to the incinerator to monitor and record dates, time of day, load identification number and operating parameters such as temperatures in both chambers and CO and CO₂ in gaseous emission through out duration of incineration cycle, shall be to operated continuously.
14. The waste should be charged only after the required temperatures in the primary and secondary chambers are attained during the beginning of the operation of incinerator and the required temperatures shall be maintained in the chambers during operation.
15. A skilled person shall be designated to operate and maintain the incinerator. The operator shall have adequate qualification in relevant subject and should be trained and certified by the incinerator supplier in operation & maintenance of the incineration.
16. All the staff at the incinerator plant shall put on protective gears such as gumboots, gloves, glass etc. to avoid contact with the bio-medical wastes.
17. Wastes to be incinerated shall not be chemically treated with any chlorinated disinfectants. Chlorinated plastics shall not be incinerated.
18. Minimum stack height to the incinerator shall be 30 meters above ground.
19. Volatile organic compounds in ash shall not be more than 0.01%.
20. Toxic metals in incineration ash shall be limited within the regulatory quantities as defined under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
21. Only low sulphur fuel like L.D.O/L.S.H.S/Diesel shall be used as fuel in the incinerator.
22. The autoclave should be dedicated for the purposes of disinfecting and treating bio-medical waste. The medical waste shall be subjected to the required temperature, pressure and time as specified in Schedule - V of Bio-Medical Management Rules, 2016.
23. The autoclave shall have graphic or computer recording devices which will automatically and continuously monitor and record dates, time of day, load identification number and operating parameters throughout the entire length of the autoclave cycle. The applicant shall carry out Validation Test of autoclave (Spore Testing and Routine Test).
24. The shredder for bio-medical waste shall be of robust design with minimum maintenance requirement. In case of shock loading (non-shreddable material in the hopper), there should be a mechanism to automatically stop the shredder to avoid any emergency/accident.
25. The facility shall comply with ambient air quality standards of TSPM - 200 µg/ m³; RSPM - 100 µg/ m³; SO₂ - 80 µg/ m³; NO_x - 80 µg/m³.

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)
Night time (10 PM to 6 AM) - 70 dB (A).

26. The applicant shall educate HCEs for segregation of BMW as per the BMW Rules 2016 and to organize workshops at all the major towns for imparting training to HCEs for segregation of waste.
27. The applicant shall submit the name of the unit to which shredded plastic is disposed and products manufactured using the shredded plastic.
28. The applicant shall comply with Task Force directions issued by the Board from time to time.
29. The conditions stipulated in this order are without any prejudice to rights and contentions of this Board in any Hon'ble court of Law.
30. 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.
31. The applicant shall submit an annual report to the T.S. Pollution Control Board in Form-II by 31st January every year to include information about the categories and quantities of bio-medical waste handled during the preceding year.

SCHEDULE - C

[see rule 6 (2)]

[CONDITIONS OF AUTHORISATION 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 90 days as per the Hazardous and 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 dispose.
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 the used lead acid batteries to the manufacturer / authorized dealer on buy back basis.
6. The facility shall take necessary practical steps for prevention of oil spillages and carry over of oil from the premises.
7. The facility shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted to Board Office and concerned Regional Office.
8. The facility shall maintain good house keeping & maintain proper records for Hazardous wastes stated in Authorisation.
9. The facility shall maintain proper records for Hazardous 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 20. (2) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
10. The facility shall dispose of e-waste to the authorized recyclers only.

11. The unit 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.

SCHEDULE - D

[See rule 10]

[CONDITIONS OF AUTHORISATION ISSUED UNDER BIO-MEDICAL WASTE MANAGEMENT RULES, 2016]

1. The person authorized shall not rent, lend, sell, transfer or otherwise transport the bio-medical waste without obtaining prior permission of the Prescribed Authority.
2. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
3. It is the duty of the authorized person to take prior permission of the Prescribed Authority to close down the facility.
4. The authorized person shall collect BMW from all HCEs authorized by the Board in Hyderabad & Rangareddy district without fail.
5. The authorized person shall submit route map of collection of BMW for each transport vehicle to the concerned Regional Office and Head Office.
6. The authorized person shall treat and dispose the bio-medical waste in accordance with Schedule - I and in compliance with the standards prescribed in Schedule - II of Bio-Medical Waste Management Rules, 2016.
7. The BMW shall not be mixed with other wastes.
8. The colored bags handed over by the healthcare facilities shall be collected in similar colored containers and such colored containers should be strong enough to withstand any damage that may occur during loading or unloading of such containers. Sharps shall be collected in puncture resistant containers. The container shall have a cover with the provision to seal it.
9. The containers of Bio-medical waste shall be labeled and also carry information as prescribed in Schedule - IV of Bio-medical Waste Management Rules, 2016.
10. The authorized person shall not accept the non segregated waste from the HCEs and such incident shall be reported to Prescribed Authority.
11. The person responsible for collection of bio-medical waste shall also carry a register with him to maintain the records such as name of the hospitals, the quantity and type of wastes handled, signature of the person from the hospital side, day and time of collection etc.
12. **The bio-medical wastes collected in colored containers shall be transported to the CBWTF in a fully covered vehicle. The transport vehicles carrying BMW shall have separate compartments to maintain the segregation of wastes. The driver of the vehicle or the accompanied staff shall maintain necessary records while receiving and handing over the wastes.**
13. The vehicle shall be labeled with the Bio-medical waste symbol (as per Schedule - III of the rules) and should display the name, address and telephone number of Common Bio-medical Waste Treatment Facility. The rear side of the carrier shall have provision of full opening so that waste containers could be easily loaded and unloaded and also the carrier can be washed and disinfected easily.

14. Notwithstanding anything contained in the Motor Vehicles Act, 1988, or rules there under, untreated biomedical waste shall be transported only in such vehicles as may be authorized for the purpose by the competent authority as specified by the Government.
15. Every time a vehicle is unloaded, the vehicle and empty waste containers shall be washed properly and disinfected using disinfectants. It can be carried out in an open area but on an impermeable surface and liquid effluent so generated shall be collected and treated in the effluent treatment plant. The impermeable area shall be of enough size so as to avoid spillage of liquid during washing.
16. An identification board of durable material and finish shall be displayed at the entrance to the facility. This shall clearly display the name of the facility, the name, address and telephone number of the operator and the prescribed authority, the hours of operation and the telephone numbers of the personnel to be contacted in the event of an emergency.
17. The authorized person shall maintain records related to collection, reception, storage, transportation, treatment, disposal and/or any form of handling of biomedical waste in accordance with the Bio-medical Rules and the guidelines for CBMWTF issued by Central Pollution Control Board in August, 2003.
18. Every CBWTF shall submit a work-plan to the prescribed authority. The work-plan should include the details of facilities at the CBWTF, the collection, transportation & storage of the bio-medical wastes and operational details.
19. The open area within the CBMWTF shall be developed into greenbelt.
20. When any accident occurs at the facility or any other site where bio-medical waste is handled or during transportation of such waste, the authorized person shall report the accident in Form III to the Telangana State Pollution Control Board forthwith.
21. The incineration ash and ETP sludge shall be disposed to TSDF, Dundigal.
22. The proponent shall provide a closed pipeline system for carrying the effluent from the generation point to the ETP in order to avoid the mixing with rain water.
23. All activities like washing of vehicles packing of shredded items, transferring or storage of any waste shall be done in this closed shed only.
24. The proponent should construct the first flush retention pond to store rainwater. The water collected in the first flush retention pond shall be used for floor washings, and development of green belt to the extent possible after testing for microbial contamination.
25. The facility shall install Auto feed / on-line monitoring system within one month and report the compliance to the concerned Regional Office and Head Office.
26. The authorized person shall dispose the incineration ash to the Treatment Storage and Disposal Facility (TSDF), located at Rangareddy District.

Sd/-
MEMBER SECRETARY

M/s. Svethansh & Company, Sy.No.214/A/1,
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Senior Environmental Engineer
(Unit head – III)