



# TELANGANA STATE POLLUTION CONTROL BOARD

Paryavarana Bhavan, A-III, Industrial Estate, Sanathnagar, Hyderabad-500 018

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## REGISTERED POST WITH ACK DUE CONSENT ORDER FOR ESTABLISHMENT

**Order No.01/TSPCB/BMW/CBMWTF/CFE/NLG/2015 946**

**Dt: 16.02.2015**

**Sub:** TSPCB –BMW – M/s. Roma Industries, Sy.No. 103, Thokkapur (V), Bhongir (M), Nalgonda District – Consent for Establishment of the Board under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 – Issued - Reg.

**Ref:** 1. CFE application through GM, DIC received on 21.12.2011.  
2. R.O's inspection report, dt. 29.02.2012.  
3. CFE clearance committee meeting held on 31.01.2015.

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- I. In the reference 1<sup>st</sup> cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for set up a Common Bio Medical Waste Treatment and disposal Facility (CBMWTF) at **Sy.No. 103, Thokkapur (V), Bhongir (M), Nalgonda District** with installed capacities of incinerator-100 kg/hr. The total cost of the project is Rs. 80.0 lakhs and will be situated in an area of 1.0 Acre 10 Cents.
- II. The above site was inspected by the AEE, R.O., Nalgonda, T.S. Pollution Control Board on 23.02.2012 and it was observed that the proposed site is surrounded by  
**East:** Open Dry Land  
**West:** Open Dry Land  
**North:** Open Dry Land  
**South:** Open Lands followed by Bhongir to Gouse nagar road (about 50Mt).
- III. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues **CONSENT FOR ESTABLISHMENT** to your facility Under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and under Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. This order is issued for establishment of the Common Bio-Medical Waste Treatment Facility mentioned at para (1) only.
- IV. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A', Schedule 'B' and Schedule 'C'.
- V. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

**Sd/-  
MEMBER SECRETARY**

**Encl: Schedule 'A'  
Schedule 'B'  
Schedule 'C'**

**To  
M/s. Roma Industries,  
Dr. No. 12-225, Adarsh Nagar,  
Opp: IDPL Colony, Quthbullapur,  
Rangareddy district - 500037**

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

  
**Senior Environmental Engineer  
(Unit – 2)**



### SCHEDULE - A

1. Progress on implementation of the project shall be reported to the concerned Regional Office, T.S. Pollution Control Board once in six months.
2. Separate energy meters shall be provided for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed.
3. The proponent shall obtain Consents for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.
4. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.
5. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.
6. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
7. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. The industry shall maintain a good housekeeping. All pipe valves, sewers, drains shall be leak proof. Dyke walls shall be constructed around storage of chemicals.
8. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site. The proponent shall ensure that effluent shall not enter the Rain Water harvesting structure.
9. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.
10. **This order is valid for period of 5 years from the date of issue.**

### SCHEDULE - B

1. Thick green belt of width 5m and adequate density shall be developed along the boundary of the industry with minimum area of 33% of total area. Green belt development shall be started along with the construction activity.
2. The source of water is Ground water and the maximum permitted water consumption shall not exceed 6 KLD

| Sl. No. | Purpose           | After expansion (KLD) |
|---------|-------------------|-----------------------|
| 1.      | Process & Washing | 3.0                   |
| 2.      | Domestic          | 3.0                   |
|         | <b>Total</b>      | <b>6.0 KLD</b>        |

3. The maximum Waste Water Generation (KLD) shall not exceed the following:

| SL. No. | Purpose           | Quantity (KLD) |
|---------|-------------------|----------------|
| 1.      | Process & Washing | 0.4            |
| 2.      | Scrubbing Water   | 0.3            |
| 3.      | Domestic          | 2.0            |
|         | <b>Total</b>      | <b>2.7 KLD</b> |



### Treatment & Disposal:

| Sl. No. | Source of Effluent   | Treatment   | Mode of final disposal           |
|---------|--|---|----------------------------------|
| 1.      | Incinerator, Floor washings & Blow down at autoclave section | Effluent treatment plant consisting of primary collection tank, Aeration tank, Secondary settling tank followed by chlorination | Shall be used for plantation     |
| 2.      | Scrubbed waste water   | Solar Evaporation Pond  | Sludge to be disposed to TSDF.   |
| 3.      | Domestic   | --  | Septic tank followed by soak pit |

4. All the units of the STP shall be impervious to prevent ground water pollution.
5. The effluents shall be treated to the on land for irrigation standards, stipulated under Schedule VI of Environment (Protection) Rules, 1986, notified by Ministry of Environment and Forests, Government of India vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof.
6. The industry shall achieve zero discharge of effluents and under no circumstances the effluents shall be discharged out side the facility.
7. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
  - a) Autoclave
  - b) Domestic purposes
  - c) Processing, whereby water gets polluted and pollutants are easily bio-degradable.
  - d) Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.
  - e) Truck washings.
8. The facility shall install and commission Air Pollution control equipment of cyclone separator, high pressure venturi scrubber, droplet separator and 30 mts height stack along with the commissioning of the facility.
9. The facility shall provide a sampling port with removable dummy of not less than 15cm diameter in the stack at a distance of 8 times of diameter of the stack from the nearest constraint. The facility shall provide a platform with suitable ladder below 1 meter of sampling port to accommodate three persons with instruments. The facility shall also provide 5 AMP 250 V plug point on the platform.
10. A generator of capacity 63.5 KVA shall be installed in a closed area with a silencer and acoustic enclosure so as to comply with the ambient noise level standard as mentioned below.

The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.
11. The facility shall install minimum stack height to DG set as per CPCB guidelines. The minimum stack height shall be calculated based on the following formula.
$$H = h + 0.2 \sqrt{\text{KVA}}$$

H = height of stack in meters.  
h = height of the building in meters, where DG set is installed.  
KVA = Total generator capacity



12. The proponent shall comply with the following:

| Sl. No | Description   | Quantity   | Method of Disposal  |
|--------|---|------------|---|
| 1.     | Metal containing waste i.e., Sharps (needles, syringes, scalpels, blades, glass etc.) | --         | Shall be disposed to concrete pits onsite   |
| 2.     | Plastic waste and recyclable waste  | --         | Shall be disposed to reprocessing units after disinfection in autoclave followed by shredding |
| 3.     | Incineration ash  | 130 Kg/day | Shall be disposed to ash pits onsite / TSDF   |
| 4.     | ETP Sludge  | 5 Kg/day   | Shall be disposed along with incineration ash.  |

13. All solid wastes arising in the premises shall be disposed in a properly designed secured landfill to ensure non-contamination of the soil and ground water.
14. The facility shall implement the following rules and regulations notified by the MOE&F, GOI.
- Bio Medical Waste (Management & Handling) Rules, 1998.
  - Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 and its amendments thereof.
15. There shall not be any perceptible odour outside the facility premises.
16. All the rules and regulations notified by the Ministry of Environment and Forests, Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.
17. The facility shall submit Annual Report to the Board in Form II of BMW Rules 1998 by 31<sup>st</sup> January every year.
18. The applicant shall obtain Authorisation from TSPCB, as required under Rule – 8 of Bio-Medical Waste (Management & Handling) Rules, 1998.
19. The applicant shall comply with and carry out conditions issued by the Board in this consent order scrupulously. The applicant is liable for legal action as the provisions of the relevant Acts in case of non-compliance of any conditions of the Consent Order.

### **SCHEDULE – C**

- The proponent shall collect the Bio-Medical waste from the Health Care Establishments (HCEs) authorized by the Board located in Hyderabad and Rangareddy Districts along with the other three facilities viz, M/s. GJ Multiclave (India ) Pvt., Ltd., Mahaboobnagar district, M/s. Medicare Environmental Management Pvt., Ltd., (Formerly M/s. Semb Ramky Environmental Management Pvt., Ltd.), Medak District and M/s. ASE & Co, Medak district.
- The proponent shall apply to the Competent Authority to notify / declare the vacant lands, other than community land-use, as non-residential zone.
- The CBMWTF shall have the infrastructure as per the guidelines for CBMWTF prepared by CPCB during August 2003.
- The guidelines for "Design& Construction of Bio-medical incinerators" prepared by CPCB shall be followed for installing the incinerator.
- The burners shall be inter locked with respective chamber temperatures and in case of any malfunction of the unit, the entire unit consisting of F.D. Fan, I.D. Fan and primary & secondary chamber burners will be stopped.
- The facility shall install auto feeding system & continuous online stack monitoring system to the incinerator.**
- The incineration system shall have graphic or computer recording devices which shall automatically and continuously monitor and record dates, time of the day, batch sequential number and operating parameters such as temperatures in both the chambers, CO, CO<sub>2</sub> and O<sub>2</sub> in gaseous emission through out duration of incineration cycle.



8. No halogenated plastics should be incinerated in the incinerator.
9. A programmable logic control (PLC) based control system shall be installed to the incinerator.
10. The incinerator shall meet the operating standards and emission standards as specified in schedule – V of Bio-Medical Waste (Management & Handling) Rules, 1998.
11. The solid waste from the incinerator shall be disposed in a secured landfill designated to ensure non-contamination of the soil and ground water.
12. The facility shall make adequate arrangements for scrubbing the emissions from the incinerator for control of odour.
13. The segregated rubber and plastic components, disposable syringes shall be disinfected before disposal.
14. The loading point of the disinfected recyclable waste shall be separated from the incoming material.
15. The proponent shall install a shredder to shred the disinfected plastics.
16. All activities like washing of vehicles, packing of shredded items, transferring or storage of any waste shall be done in the closed shed only.
17. The auto-clave shall have data-logging and print out arrangements for temperature, pressure etc.
18. 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 rainwater
19. The proponent shall maintain the records for all operation carried out at the CBMWTF.
20. The proponent shall comply with all the directions issued by the Board from time to time.
21. 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.
22. The order is issued without prejudice to the rights and contentions of this Board in any court of law.
23. 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.

Sd/-  
**MEMBER SECRETARY**

To  
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