A. M/s. Greentech Enviro Solutions, Krishna District is a Pre-Processing facility.

B. The Board issued CFE to the facility on 21.06.2018 for Collection of Mixed (Hazardous & Non Hazardous) Waste, Blending / Storage and Disposing to Co-Processing Cement industries - 550 TPD.


D. Now the facility applied for Hazardous Waste Authorization (HWA) of the Board.

E. The officials of RO: Vijayawada inspected the facility on 10.09.2019 and submitted the following:

Safety facilities provided at storage facility:
- Provided 3 nos. of covered storage sheds of 60 ft. x 100 ft. size each with a height of 32ft. each.
- Provided dedicated automated weighing bridge with capacity of 70 Tons.
- Provided 4 storage tanks with capacity of 30 KL each fitted with spillage control pit and provided dyke wall.
- Liquid waste preparation tanks: 2 Nos
- Provided proper spillage / leachate collection pits around the sheds for collecting leachate which is to be used for mixing with liquid waste and to send cement plants for co-processing.
- Provided fire protection equipment as per the existing norms.
- Emergency shower and eye wash stations, personal protective equipment and earplugs to be provided to the workers.

RO Remarks:
1. M/s Greentech Enviro Solutions established a facility for Pre-processing of Hazardous & Non-Hazardous waste to the tune of 550 TPD. The Board issued 1st CFO to the facility vide order dated 09.04.2019 with a validity upto 31.03.2020. The facility is ready for operations.

2. Now the industry applied for Hazardous Waste Authorization Application in Form-I vide application dated 28.08.2019 along with a format for verifying adequacy of the infrastructure for pre-processing / co-processing waste materials.

3. The waste processing facility is having following facilities:
   - Waste Storage/ processing sheds : 3 Nos (60 ft. x 100 ft. x 22 ft. height)
   - Liquid waste storage tanks : 4 Nos (30 KL each)
   - Liquid waste preparation tanks: 2 Nos
   - Front loader : 1 Nos
   - Waste Grinders/Mixers : 4 Nos
   - Fire Hydrant Tank : 1 No
   - Weigh Bridge : 1 Nos
   - Detoxification area for drums
   - Laboratory
   - DG set shed
   - Store Room
   - Office Space and Conference room
4. The Operator of the facility has constructed laboratory at site to carry out necessary tests of the waste materials and the laboratory equipment received at site and ready for installation.

5. **The fire hydrant system fabrication and installation is in progress.** All the three sheds are provided with fire Hydrant line run all around with a provision of sprinklers on the roof level so as to cover the entire shed. It was informed that the entire fabrication work and installation will be completed within 5 days.

6. The waste storage sheds are provided with concrete flooring and provided with three sumps by maintaining slope towards these sumps, in the shed to collect the spillages if any.

7. The liquid storage tanks are provided with vents and these vents are proposed to be connected to caustic lye tanks to regulate the VOCs if any.

8. The facility installed VOC analyser at the laboratory building to monitor the ambient VOC levels.

9. The operator of the facility completed the construction of fire hydrant tank of capacity 120 Cu.m

10. The operator of the facility informed that they are planning to provide concrete platform in the plant open area.

11. The industry shall provide vehicles tyres washing trench at the entry point of the facility so as to wash the tyres of the vehicles while entering and leaving the facility.

12. The industry shall install display Boards at the entrance to display the compliance of CFO conditions and details of Hazardous wastes handled.

**HO Remarks:**

1) M/s. Greentech Enviro Solutions, Krishna District is a Pre-Processing facility.

2) The Board issued CFE to the facility on 21.06.2018 for Collection of Mixed (Hazardous & Non Hazardous) Waste, Blending / Storage and Disposing to Co-Processing Cement industries - 550 TPD.


4) The Board has not issue the Hazardous Waste Authorization at the time of Consent order as the industry is not complied with the minimal requisite infrastructure facilities and operational controls as per CPCB guidelines and also not complied with most of the conditions of CFE order dated 21.06.2018.

5) Now the facility applied for Hazardous Waste Authorization (HWA) of the Board.


7) As per earlier RO report dated 16.03.2019, the industry has not complied with the following conditions of the CFE order dated 21.06.2018:
   
   i) Not provided garland drains to avoid mixing of accidental spillages with domestic water and storm water.

   ii) The industry is still under construction of two number of sheds i.e., one is for blending purpose and other is for storage of mixed waste before disposal.

   iii) Not provided fume extraction system for extraction of volatile organic compounds which will generate during mixing of hazardous and non hazardous waste.

   iv) Not provided VOC meter.

   v) Not provided any scrubbing mechanism for MS reactor where blending of the liquid waste takes place which may create odour nuisance in the surrounding environment.
vi) Not provided detoxification facility for HW Container & Container liners with impervious lining, dyke wall and spillage / leakage collection system. The detoxification effluent shall be sent to CETP and also not tied up with CETP for disposal of waste water.

vii) Not provided peziometric wells for monitoring of ground water in the plant area.

viii) Not provided dedicated tanker fitted with GPS tracking devices for transportation of waste from member units to their facility.

ix) Not provided water meters for water consumption.

x) Not taken policy of Public Liability Insurance (PLI) duly indicating the amount contributed towards Environmental Relief Fund (ERF).

xi) Not developed 33% of green belt in total area.


The issue is placed before the CFO Committee for Review and Recommendations.

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