Regd. Post with Ack Due

Order No.158/APPCCB/UH-II/TF/ELR/2017- 

DIRECTIONS


Date: 19.09.2017

Ref:
3. Committee inspected the industry on11.05.2017 & 10.06.2017.
5. External Advisory Committee (Task Force) Meeting held on 10.08.2017.

WHEREAS you are operating industry in the name & style of M/s. The Andhra Sugars Ltd (Acetic Acid Plant, HTPB Unit, Sugar Unit, UDMH and UH-25 Division), Venkatayrapuram,, Tanuku, West Godavari District is manufacturing of Organic Chemicals and Hydrazine derivatives, Sugar with Captive Power.

WHEREAS vide references 1st cited, the Board issued Consent for Operation and Hazardous Waste Authorization order vide dt.02.07.2015, which is valid upto 31.05.2018 to manufacture Acetic acid – 3.7 KLD, Acetic anhydride – 4.2 KLD, Ethyl Acetate – 4.3 KLD, Hydroxy Terminated Poly Butadiene (HTPB) – 540 Kg/day, Sugar (Sugar Cane Crushing capacity – 5000TCD) – 600 tpd, Power Generation – 7500 KWH, Unsymmetrical Di-Methyl Hydrazine (UDMH) – 200 Kg/Day, Mono Methyl Hydrazine (MMH) – 33 Kg/Day, UH-25(UDMH – 75 % + Hydrogen Hydrate – 25%) – 400 Kg/Day.

WHEREAS vide reference 2nd cited, the Board has issued following directions to the industry on 30.01.2017:

1. The industry shall apply for Consent for Establishment order of the Board for excess production within 15 days.
2. The industry shall achieve Zero liquid discharge system for chemical units (other than sugar division effluents) after stabilization of new chemical unit’s effluent treatment system.
3. The industry shall take proper measures for controlling the smell problem within & around ETP area immediately.
4. The industry shall furnish evaluation report of new ETP of capacity 120 KLD which is under trail runs.
5. The industry shall not discharge any effluents into Satyawada drain / G & V Canal.
6. The industry shall ensure continuous compliance of the CFO and Hazardous Waste Authorization conditions issued by the Board.

WHEREAS vide reference 3rd cited, a committee constituted by Zonal Office, Visakhapatnam with the SEE, O/o. CEE, Visakhapatnam, the EE, RO, Eluru and the JSO, O/o. CEE, Visakhapatnam inspected the industry on 10.06.2017 and observed the following:

a) The combined ETP was in operation. The effluents from Acetic acid plant, HTPB plant, UDMH & UH-25 plants and boiler blow down effluents are coming into the inlet chamber. The sugar division is not in operation due to off season.
b) The COD & BOD of treated effluent as well as RO- Permeate are far exceeding the Board standards.

c) The industry is manufacturing the products Aspirin, UDMH, MMH, UH-25 in excess to their permitted consented quantities.

d) The effluents from distillery division are treated in anaerobic digester followed by RO system. The RO permeate is claimed to be used for cooling towers. The RO rejects along with treated effluents from the Aspirin ETP are subjected to bio composting with press mud.

e) It is observed that as the sugar mill is not in operation the industry does not require entire RO permeate for cooling towers. Hence the RO permeate is suspected to be sent to the final collection tank i.e. the treated effluent storage tank of the CETP.

f) The COD and BOD levels in the treated effluent stored in the final collection tank are very close to the raw effluent values and also the RO permeate values which is indicating that either there is no treatment happening in the ETP or the RO permeate is stored in the final collection tank.

g) The treated effluent from the storage tank of CETP with the BOD & COD levels not confirming to the prescribed standards are sent to the paddy fields for utilization for irrigation.

h) The BOD and COD levels in the treated effluents indicate that the effluents cannot be used for on-land plantation. RO permeate also cannot be used for cooling tower re-circulation.

i) The overflow i.e. the unconsumed effluents from the paddy fields ultimately join the Satyawada drain.

WHEREAS vide reference 4\textsuperscript{th} cited, the ZO, Visakhapatnam has issued show cause notice to the industry on 04.07.2017 for non-compliance of Board directions and consent conditions.

WHEREAS vide reference 5\textsuperscript{th} cited, Legal Hearing was conducted before the External Advisory Committee (Task Force) Meeting of A.P. Pollution Control Board on 10.08.2017. The representatives of the industry (08 No.s) attended the legal hearing. The Committee noted that Yenamaduru drain is receiving treated effluents mainly from M/s.Delta Papers Ltd., and several Prawn processing units. The Committee observed that the COD and BOD values of the waste water samples collected at the outlet of ETP of the industries are continuously exceeding the prescribed standards. The committee also noted the non-compliance of Board directions and CFO conditions. The SEE & JSO, O/o CEE, Visakhapatnam have attended the Legal Hearing. It was informed that some of industries are discharging the un-treated / Partially treated effluents into Yenamaduru drain through clandestine pipe lines. These industries are not operating Effluent Treatment Plants and not complied with prescribed standards at discharge outlets. It was also informed that the industries are not maintaining proper records for water consumption, effluent generation and production quantity. The Committee recommended to instruct all the industries to immediately remove the clandestine pipelines connected between the industry and drain (Yenamaduru, Satyawada, Gosthni and Rayalam) and shall adopt treatment of waste water to comply with prescribed discharge standards at the outlet. Further, the Committee recommended that the Effluent Treatment Plants at individual industries shall be upgraded immediately to comply with discharge standards prescribed by the Board and shall ensure implementation of requisite measures to prevent re-occurrence of non-compliance to prevent further pollution to Yenamaduru drain. The Committee also recommended that the Board shall keep strict vigilance on all these industries along Yenamaduru drain to ensure that they shall comply with consent conditions and discharge standards.

The Committee, after detailed discussions, recommended to issue the following directions. The Board hereby issue the following directions under Sec.33 (A) of Water (Prevention and Control of Pollution) Amendment Act, 1988 and under Sec.31 (A) of Air (Prevention & Control of Pollution) Amendment Act, 1987:

1. The industry shall immediately upgrade the Effluent Treatment Plant for treatment of waste water generated at their premise to comply with prescribed discharge standards within one month. The details of ETP up-
gradation and implementation progress shall be reported to ZO, Visakhapatnam and RO, Eluru for every fortnight through e-mail.

2. The industry shall operate the ETP effectively duly deploying technical and qualified personnel.

3. The industry shall maintain records on energy meter and flow meter readings pertains to waste water generation, treatment and disposal. The consolidate records shall be furnished to ZO, Visakhapatnam and RO, Eluru every month.

4. The industry shall maintain records on solid waste generation and disposal and shall furnish monthly records to RO, Eluru.

5. The industry shall comply with all the directions issued by the Board vide order dt. 17.10.2016 & 30.01.2017.

6. The industry shall ensure continuous compliance of conditions issued in the CFO and HWA order.

You are hereby directed to note that, should you violate any one of the directions mentioned above, your unit will be closed under Sec.33(A) of Water (Prevention & Control of Pollution) Amendment Act, 1988 and Sec.31(A) of Air (Prevention & Control of Pollution) Amendment Act, 1987 without any further notice, in the interest of Public Health and Environment.

This Order comes into effect from today i.e., 19.09.2017.

Sd/-
MEMBER SECRETARY

To
M/s. The Andhra Sugars Ltd.,
(Acetic Acid Plant, HTPB Unit, Sugar Unit, UDMH and UH-25 Division), Venkatavarapuram, Tanuku, West Godavari District

Copy to:

1. The Joint Chief Environmental Engineer, A.P. Pollution Control Board, Zonal Office, Visakhapatnam for information and necessary action.

2. The Environmental Engineer, A.P. Pollution Control Board, Regional Office, Eluru is directed to monitor the progress of the works in each unit and report. If there is no considerable progress within a month Stop Production Order will be issued to the recalcitrant industries.

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

JOIN chief ENVIRONMENTAL ENGINEER
UH-II