ANDHRA PRADESH POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, A-3, INDUSTRIAL ESTATE,
SANATHNAGAR, HYDERABAD - 500 018.

Regd. Post With Ack Due

Order No. 83/APPCB/UH-II/TF/NLR/2017-

DIRECTIONS


3. External Advisory Committee (Task Force) Meeting held on 25.06.2016.  
6. Inspection of the industry by ZO officials of Vijayawada on 08.03.2017.  
7. External Advisory Committee (Task Force) Meeting held on 18.05.2017.

WHEREAS you are operating industry in the name & style of M/s. Crest Cellulose Pvt. Ltd., Plot Nos.12&13, APIIC Industrial Park, Menakur (V), Naidupet (M), Nellore District. The industry is manufacturing of Bulk Drug Chemical products.

WHEREAS vide reference 1st cited, the Board issued Consent for operation and Hazardous Waste Authorisation to the industry on 17.01.2017 for manufacturing of Bulk drug chemical products for the period upto 31.12.2021, subject to the compliance of standards and conditions stipulated.

WHEREAS vide reference 2nd cited, the EE, RO, Nellore issued show cause notice to the industry on 21.04.2016 for disposal of treated/untreated effluents on onland and there by creating ground water pollution in surrounding area and for not installation of ATFD to achieve Zero Liquid discharge.

WHEREAS vide reference 3rd cited, the status of compliance of industry was reviewed in External Advisory Committee (Task Force) meeting on 25.06.2016. In the meeting, it was recommended to direct ZO, Vijayawada to inspect industry to verify whether the dehydrator provided by the industry for treatment of effluent can be considered in place of ATFD; to verify the entire effluent treatment system with dehydrator comes under ZLD or not and also to verify the configuration of MEE provided by the industry.

WHEREAS vide reference 4th cited, the Board officials inspected the industry on 26.09.2016 under randomized risk based inspections and observed the following:

a. No segregation of effluents into HTDS and LTDS.
b. The industry has not installed ZLD with MEE, ATFD and RO within two months as stipulated in CFO order.
c. The industry is yet to apply for CFE for operation of Thermic fluid heater
d. The industry is yet to establish CAAQM stations; online monitoring systems as stipulated in CFO order.
e. Yet to develop green belt in vacant areas
f. Coal and boiler ash is being stored openly near boiler.
g. Spillages of product were observed on internal roads near production places.
WHEREAS vide reference 5th cited, the status of compliance of industry was once again reviewed in External Advisory Committee (Task Force) meeting on 09.12.2016. In the meeting, it was recommended to direct ZO, Vijayawada to inspect industry along with Social Scientist of near by University to verify whether the dehydrator provided by the industry for treatment of effluent can be considered in place of ATFD; to verify the entire effluent treatment system and whether dehydrator comes under ZLD or not and also to verify the configuration of MEE provided by the industry. The inspection report shall be furnished to Board Office within one week.

WHEREAS vide reference 6th cited, the JCEE, Zonal Office, Vijayawada inspected the industry on 08.03.2017 and observed the following:

1. During the inspection, the industry was in operation and manufacturing Micro Crystalline Cellulose by using cellulose as raw material.

2. As per the CFO dt. 17.01.2017, the industry generates about 30.9 KLD of High TDS process effluents which are supposed to be treated through a Stripper, MEE and ATFD. Condensate from MEE shall be routed to Biological ETP. The ATFD salts to TSDF for secured land filling. In addition, the industry generates 9.0 KLD of LTDS effluent which is supposed to be treated in ETP. Treated effluent from the ETP shall be subjected to the RO- 1 & II. RO permeate shall be reused and RO reject shall be sent to MEE & ATFD for forced evaporation.

3. The industry is not segregating the High TDS & Low TDS effluent. The industry is collecting the combined effluent in the 2 nos. of underground effluent collection tanks of each 10 KL. The effluent is being treated in neutralization tank, aeration tanks (3 Nos.), tube settler followed by DAAF, de-hydrator, sand filter and carbon filter. During the inspection, one aeration tank, tube settler followed by DAAF, sand filter and carbon filter were not in operation. The industry is operating the de-hydrator with MVR technology (Mechanical Vapor Recompression) at a vacuum of 490mm Hg, which facilitates evaporation of water at lower temperature. The industry is using the de-hydrator condensate – 40 KL/day for greenbelt within the premises and storing the dehydrator concentrate-1000 Lts/month in the 2nos. of HDPE tanks of each 5 KL capacity, which need to be disposed either through ATFD/TSDF incinerator/cement factory.

WHEREAS vide reference 7th cited, legal hearing was conducted before the External Advisory Committee (Task Force) Meeting of A.P. Pollution Control Board on 18.05.2017. The committee in its earlier meeting held on 09.12.2016, it was recommended to direct ZO, Vijayawada to inspect industry along with Social Scientist to verify whether the de-hydrator provided by the industry for treatment of effluent can be considered in place of ATFD, to verify entire effluent system and whether de-hydrator comes under ZLD system or not and also, to verify the configuration of MEE provided by the industry. The ZO, Vijayawada submitted the report stating that the industry is not treating the effluents as per CFO order conditions i.e. not maintaining ZLD and discharging acidic effluents onland for green belt development. It was also reported that the solid waste generated from de-hydrator is storing in HDPE tanks and not disposing to TSDF.

The representatives of the industry attended the legal hearing. The committee noted the non-compliance of CFO order conditions. The representative of the industry has informed that they provided de-hydrator system instead of ATFD and propose to send the solid waste generated from de-hydrator to TSDF.

The Committee after detailed discussions, recommended to issue certain 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 approach MoEF & CC, Gol., for amendment of EC with regard to the changes in the ZLD system.
2. The industry shall obtain amendment of CFE / CFO order of the Board for with
regard to the changes in the ZLD system.

3. The industry shall adopt the ZLD system mentioned in the Environmental
Clearance issued vide order dt.25.10.2013, till the management obtained
amendment.

4. The industry shall modify the Effluent Treatment Plant to meet the Board's
standards.

5. The industry shall provide additional treatment system for condensate coming
from de-hydrator before using for land application.

6. The industry shall ensure continuous compliance of the conditions issued in
the CFO & 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., 08.06.2017.

Sd/-
MEMBER SECRETARY

To
M/s.Crest Cellulose Pvt. Ltd.,
Plot Nos.12&13, APIIC Industrial Park,
Menakur (V), Naidupet (M),
Nellore District – 524 001.

Copy to:
1. The Joint Chief Environmental Engineer, A.P. Pollution Control Board, Zonal
Office, Vijayawada for information and necessary action.
2. The Environmental Engineer, A.P. Pollution Control Board, Regional Office,
Nellore for information and necessary action.

// T.C.E.B.O //

JOINT CHIEF ENVIRONMENTAL ENGINEER
UH-II