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

Regd. Post With Ack Due

Order No.659/APPCCB/HH-II/TF/KKD/2017-

Dt. 04.08.2017

DIRECTIONS

Sub: APPCCB - TF - HO - M/s.Lohiya Edible Oil Ltd., Plot No. 25, Industrial Park, Vakalapudi(V), Kakinada Rural, East Godavari District. Illegal dumping of semi solid waste at Kakinada beach to Polavaram village road and illegal dumping of ETP sludge near Suryapeta village outskirts from Edible oil industries – Legal Hearing held on 06.07.2017 - DIRECTIONS – Issued - Reg.

3. A complaint of Sri B. Prasad Tadi, D.No.24-4-10/2, Opp Collectorate Kakinada, East Godavari District received Regional Office on 11.08.2016.
6. Telephonic complaint on Illegal dumping of semi solid waste at Kakinada beach to Polavaram village road and illegal dumping of ETP sludge near Suryapeta village outskirts from Edible oil industries located at Industrial Park, Vakalapudi Village, Kakinada Rural, East Godavari District on 06.05.2017.
7. The officials of RO, Kakinada inspected the dumping site at Polavaram village and Suryaraopeta village on 06.05.2017, 08.05.2017 & 09.05.2017.

WHEREAS you are operating industry in the name & style of M/s.Lohiya Edible Oil Ltd., Industrial Park, Vakalapudi (V), Kakinada Rural, East Godavari District and engaged in production of edible oil.

WHEREAS vide references 1st cited, the Board issued consent for operation (CFO) order to the industry on 04.04.2015 for the following products, stipulating certain conditions and standards which is valid upto 31.08.2017:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Products</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Refined Palm Oil/Soya Bean Oil</td>
<td>300 TPD</td>
</tr>
<tr>
<td></td>
<td>Physical Refinery</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chemical Refinery</td>
<td>200 TPD</td>
</tr>
<tr>
<td>By-Products:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Distilled Fatty Acid</td>
<td>15 TPD</td>
</tr>
<tr>
<td>3.</td>
<td>Gums</td>
<td>1 TPD</td>
</tr>
</tbody>
</table>

WHEREAS vide references 2nd cited, the Board issued CFO order to the industry on 11.03.2016 for the following products, stipulating certain conditions and standards which is valid upto 28.02.2021.

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Products</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Refined Palm Oil/Soya Bean Oil</td>
<td>200 TPD</td>
</tr>
<tr>
<td>2.</td>
<td>Vanaspathi</td>
<td>100 TPD</td>
</tr>
<tr>
<td>By-Products:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Distilled Fatty Acid</td>
<td>3 TPD</td>
</tr>
<tr>
<td>4.</td>
<td>Gums</td>
<td>0.5 TPD</td>
</tr>
</tbody>
</table>

WHEREAS vide references 3rd cited, the Board received a complaint against the industry from Sri B. Prasad Tadi, D.No.24-4-10/2, Opp Collectorate Kakinada, East Godavari District alleging that the industry is involved in discharging effluents and its wastes to outside the premises thereby polluting the environment and also causing severe air pollution to the surroundings.
WHEREAS vide reference 4th cited, the industry was reviewed before the external advisory committee of Zonal Office, Visakhapatnam (Task Force committee) on 19.10.2016 at Zonal Office, A.P. Pollution Control Board, Visakhapatnam. Sri N.S.C.Rao, representative of the industry and AEE, RO, Kakinada has attended the hearing. After detailed discussion, the committee recommended to place it before External Advisory Committee (Task Force) at Board office and issue necessary directions

WHEREAS vide reference 5th cited, the Board has reviewed the status of pollution control measures taken by the industry before External Advisory committee (Task Force) meeting held on 11.11.2016 and committee recommended to issue certain directions. Accordingly, the Board has issued following directions to the industry on 30.11.2016:

1. The industry shall not generate wastewater more than 50 KLD under any circumstances.
2. The industry shall submit the documentation evidence of reduction of waste water generation from 111 KLD to 50 KLD with scientific study within one month.
3. The industry shall obtain amendment of the Board for the quantities of water consumption and wastewater generation.
4. The industry shall maintain the records for water consumption, effluent generation, effluent treated and submit the details to RO, Kakinada on monthly basis.
5. The industry operate the RO & MEE continuously and shall maintain records for the same. The industry shall submit the MEE salt generation to RO, Kakinada on monthly basis.

WHEREAS vide reference 6th cited, the EE, RO, Kakinada has received a telephonic complaint on illegal dumping of semi solid waste at Kakinada Beach to Polavaram village road during early hours on 06.05.2017 and illegal dumping of ETP sludge near Suryaraopet village outskirts from nearby edible oil industries located, Industrial Park, Vakalapudi(V), Kakinada Rural, East Godavari District. The illegal dumping of semi solid waste at Kakinada Beach to Polavaram village road created havoc in the area & the chemical waste disposed would harm the agricultural lands and may cause pollution to the surroundings.

WHEREAS, the unauthorized dumping of ETP sludge consisting in gunny bags at Suryaraopet village. Kum.Perla Mariya, residence of Suryaraopet burnt her legs due to exposure to sludge & hospitalized. The Suryaraopet villagers complained that the nearby Lohia and Adani Wilmar industries indulged in unauthorized dumping of wastes in the outskirts of their village. The press clippings appeared in local Sakshi & Eenadu newspapers on 09.05.2017, 11.05.2017 & 12.05.2017, on this issue of illegal dumping of solid waste.

WHEREAS vide reference 7th cited, the officials of RO, Kakinada inspected the dumping site of Polavaram village and Suryaraopet village and industry on 06.05.2017, 08.05.2017 & 09.05.2017 and observed the followings:

a) During inspection, the industry was in operation and manufacturing Refined palm oil, Refined sun flower oil and Vanasapati.

b) As per the production details, the industry was manufacturing edible oil through physical and chemical refining operations within the consented quantities.

c) As per the records, the total water consumption of the industry is 288 KLD and total waste water generation is 111 KLD(Process, Boiler blow down & Cooling blow down-103 KLD and Domestic-8 KLD).

d) The industry is having ETP of capacity of 50 KLD consisting of Collection tank, Oil & Grease trap, Equalization tank, Primary Clarifier, Anaerobic Filter, Aeration tank, Secondary Clarifier, Sludge drying beds, Sand filter, Activated Carbon filter, RO System(6KL/hr) and Multiple Effect Evaporation System (24KLD) to achieve Zero Liquid discharge standards. The existing ETP capacity is not sufficient to treat process waste water of 103KLD. During inspection, effluent samples were also collected and submitted to Zonal Laboratory for analysis.
The analysis report of the effluent sample collected on 20.08.2016 were as follows:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Parameters</th>
<th>Outlet of ETP</th>
<th>RO permeate</th>
<th>RO rejects</th>
<th>MEE condensate</th>
<th>MEE concentrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>P*</td>
<td>7.8</td>
<td>9.1</td>
<td>7.8</td>
<td>8.0</td>
<td>9.2</td>
</tr>
<tr>
<td>2</td>
<td>TSS at 105°C</td>
<td>300</td>
<td>258</td>
<td>408</td>
<td>25</td>
<td>134</td>
</tr>
<tr>
<td>3</td>
<td>TDS at 105°C</td>
<td>6360</td>
<td>3810</td>
<td>9240</td>
<td>1840</td>
<td>11310</td>
</tr>
<tr>
<td>4</td>
<td>COD</td>
<td>320</td>
<td>32</td>
<td>80</td>
<td>56</td>
<td>224</td>
</tr>
<tr>
<td>5</td>
<td>BOD</td>
<td>66</td>
<td>6.5</td>
<td>18</td>
<td>12</td>
<td>38</td>
</tr>
<tr>
<td>6</td>
<td>Oil &amp; Grease</td>
<td>6</td>
<td>BDL</td>
<td>BDL</td>
<td>BDL</td>
<td>BDL</td>
</tr>
</tbody>
</table>

Industry generates the RO rejects with TDS value of about 9240 mg/L, when fed to MEE of 1 KL/hr, would generate about 221.7 Kgs/day of MEE salt. During inspection, neither salt accumulation nor ETP sludge was observed in the industry premises and the industry could not show the records regarding generation and disposal of MEE salts / ETP sludge. The industry would generate about 10 MT/month of ETP / MEE salt as solid waste but, the industry could not show the details of solid waste disposed to TSDF, indicating that the industry has either not operated the RO & MEE or indulged in unauthorized dumping of MEE salt.

WHEREAS vide reference 8th cited, the RO, Kakinada has issued show cause notice to the industry on 11.05.2017 in connection with illegal dumping of semi solid waste at Kakinada beach to Polavaram village road and illegal dumping of ETP sludge near Suryapeta village outskirts from Edible oil industries on 06.05.2017 and non-compliance of CFO conditions and standards.

WHEREAS vide reference 9th cited, Legal Hearing was conducted before the External Advisory Committee (Task Force) Meeting of A.P. Pollution Control Board on 06.07.2017. The representatives of the industry (5 No.s) attended the legal hearing. The Committee noted that the Board has received a telephonic complaint on illegal dumping of solid waste at Kakinada Beach to Polavaram village road and near Suryaraopeta village outskirts from nearby edible oil industries located, Industrial Park, Vakalapudi(V), Kakinada Rural, East Godavari District during early hours on 06.05.2017. The illegal dumping of solid waste at Kakinada Beach to Polavaram village road created havoc in the area anticipating that the illegal dumping of chemical waste near village would harm the agricultural lands and may also cause pollution to the surroundings. The villagers alleged that the nearby sugar factory indulged in disposal of chemical waste. The EE, RO, Kakinada has informed that the two industries i.e. M/s.Parry Infrastructure Company Limited (Formerly M/s.Silkroad Sugars Private Limited), M/s. Gemini Edibles & Fats India Private Limited, East Godavari District stored the solid waste in the industries premises. It was informed that about 30 tons of solid waste consisting of ETP sludge illegally dumped at Kakinada Beach to Polavaram Village road and near Suryaraopeta village outskirts was existing since 2 months. The Committee has reviewed the status and to instruct all the industries (5 No.s) to immediately respond to lift the solid waste dumped at Kakinada Beach to Polavaram Village road and near Suryaraopeta village outskirts in co-ordination with RO, Kakinada.

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 regularly operate Primary, Secondary and Tertiary treatment for trade effluents generated. The solid waste generated from waste water treatment such as MEE salts, ETP sludge and Process sludge shall be disposed as per the Consent obtained from the Board scrupulously.

2. The industry shall install and maintain digital flow meters and energy meters to waste water treatment plant within one month and shall maintain records. The consolidated records shall be furnished to ZO, Visakhapatnam and RO, Kakinada every month.

3. The industry shall collect and store Hazardous Waste in a closed shed on elevated concrete platform with leachate collection system. Records on solid waste generation and disposal mode shall be maintained and consolidated report shall be submitted to ZO, Visakhapatnam and RO, Kakinada every month.
4. Under any circumstances, the industry shall not indulge in illegal dumping of solid waste generated from process, utilities and waste water treatment plants outside the premises. They shall ensure strict monitoring and tracking of solid waste disposal to prevent any re-occurrence of illegal dumping of solid waste and shall ensure compliance to authorized mode of disposal.


6. The industry shall ensure continuous compliance of the conditions stipulated 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., 04.08.2017.

Sd/-
MEMBER SECRETARY

To
M/s. Lohiya Edible Oil Ltd.,
Plot No. 25, Industrial Park,
Vakalapudi(V), Kakinada Rural,
East Godavari District – 533 005.

Copy to:
1. The Joint Chief Environmental Engineer, A.P. Pollution Control Board, Zonal Office, Visakhapatnam for information and necessary action.
2. The Joint Chief Environmental Engineer, Unit-IV, A.P. Pollution Control Board, Head Office for information and necessary action.
3. The Environmental Engineer, A.P. Pollution Control Board, Regional Office, Kakinada for information and necessary action.

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

JOINT CHIEF ENVIRONMENTAL ENGINEER
UH-II