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

Regd. Post With Ack Due

Order No.CTR-68/APPCB/UH-II/TF/KNL/2016-2017

DIRECTIONS


3. Board officials inspected the industry on 18.01.2016.
5. Task Force Committee Meeting held on 13.05.2016.

WHEREAS you are operating the industry in the name & style of M/s. Prudential Sugar corporation Ltd., Prudential Nagar, Kppedu (V&P), Nindra (M), Chittoor District is a Sugar manufacturing unit.

WHEREAS vide reference 1st cited, the Board issued certain directions to the industry on 21.02.2011 for non-compliance of CREP Recommendations, exceeding the Board Effluent & Emissions Standards and Discharging of untreated effluents.

WHEREAS vide reference 2nd cited, the Board issued combined CFO & HWA Order to the industry on 28.11.2014 duly stipulating necessary standards and conditions with a validity period up to 30.06.2017.

WHEREAS vide reference 3rd cited, the Board officials inspected the industry on 18.01.2016 and observed the following violations:

a. The industry has not provided any flow meters to measure the quantity of water consumed for different purposes and not maintaining any records regarding water consumption.

b. The industry has not provided flow meters at the inlet and outlet of ETP to measure the quantity of waste water generated and treated.

c. The industry has not provided energy meter & hour meters to the ETP. The industry is not maintaining any records regarding energy consumption and chemical consumption of ETP.

d. The industry is not operating the ETP. The effluent sample collected at the outlet of ETP is having a pH of 3.5, TSS of 1258 mg/l, TDS of 10382 mg/l, COD of 16800 mg/l & BOD of 6000 mg/l which are far exceeding the standards. The ETP units are not functioning and they are not adequate.

e. The industry is discharging the untreated/partially treated effluents onland within premises in open area adjacent to the ETP. Lot of stagnated effluent pools have been formed in that area. As per the analysis results of the samples collected from the above pools, they are having very high values of pH, TDS, COD & BOD. Hence, the industry is discharging the untreated effluents onland within premises and thereby causing ground water pollution in the area.

f. The industry has not provided the online stack monitoring system to the Boilers.

g. The industry has not provided closed shed for storage of fly ash. The industry dumping the ash in open area.

WHEREAS vide reference 4th cited, the Board issued Show Cause Notice to the industry on 02.02.2016 for non-compliance of Board directions and CFO conditions.

WHEREAS vide reference 5th cited, hearing was conducted by the Task Force Committee of A.P. Pollution Control Board on 13.05.2016. The representatives of the industry attended the legal hearing. The Committee noted the non-compliance of the CFO conditions / Directions. The representative of the industry informed that they have provided the flow meters at inlet & outlet of ETP. They have also informed that they are planning either to increase the exiting ETP
capacity of 700 KLD to 1200 KLD capacity or to construct additional ETP of 500 KLD and final decision on additional ETP will be taken after receipt of report from their consultant. It was informed that the closed shed for storage of fly ash will be completed by end of September 2016 and develop the green belt in coming monsoon season.

The Committee after detailed discussions recommended to issue following directions:

1. The industry shall upgrade the existing ETP of capacity 700 KLD to 1200 KLD or construct additional ETP of 500 KLD within 3 months.
2. The industry shall provide the adequate closed shed for storage of fly ash within 3 months.
3. The industry shall provide the energy & hour meters, flow meters to ETP and log books of energy consumption, waste water generation, chemical consumption of ETP etc, and submit to the RO, Tirupati fortnightly.
4. The industry shall route entire effluents through the ETP only and avoid bypassing of effluents under any circumstances.
5. The industry shall utilize the treated effluents on land for gardening/irrigation purpose only and avoid discharge of effluents outside the industry premises under any circumstances.
6. The industry shall extend the Bank Guarantee of Rs. 25.0 Lakhs for non-compliance of CFO conditions within 1 week.
7. The industry shall develop the thick green belt in and around industry premises duly coming monsoon season.
8. The industry shall ensure the validity of CFO of the Board and ensure continuous compliance of the conditions issued by the Board.

This order is issued 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.

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., 13.06.2016.

Sd/-
MEMBER SECRETARY

To
M/s.Prudential Sugar corporation Ltd.,
Prudential Nagar, Koppedu (V&P),
Nindra (M), Chittoor District
Pincode – 517597.

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

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

JOINT CHIEF ENVIRONMENTAL ENGINEER
UH-II
**ANDHRA PRADESH POLLUTION CONTROL BOARD**
Paryavaran Bhavan, A-III, Industrial Estate, Sanathnagar, Hyderabad-500 018
Phone : 040-23887500, Website : www.appcb.ap.nic.in

**LR. No : APPCB/Action Plan / HQ/2016:**
Date: 04.03.2016

**Sub:** APPCB – CFO – UH-IV – Inspection of Industries by the ZOs under Action Plan – Inspection reports forwarded for taking necessary action – Reg.

**Ref:** 1. LR. No.CTR-993/PCB/ZO-KNL/Action Plan/2015-1830 dt.02.02.2016.

***

The officials of Zonal office Kurnool inspected the following industries in their jurisdiction under Action Plan and submitted inspection reports to the undersigned.

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name of the Industry</th>
<th>Description of the inspection report</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>M/s. SNJ Sugars &amp; Products Ltd., (Formerly M/s. Sagar Sugars &amp; Allied Products Ltd.), (Sugar &amp; Captive Power Plant), Nela vay (V), Sri Rangarajapuram (M), Chittoor District</td>
<td>Inspected under action plan for 17 category of industries. The following violations are reported: 1. Not complied with the conditions stipulated in the CFO order dt.21.04.2015. 2. Not provided flow meters to measure water consumption. 3. Samples collected from different units of ETP and as per the analysis reports, the ETP units are not properly functioning. 4. Flow meters provided at inlet of ETP is not properly functioning. 5. Not provided flow meter at the outlet of ETP. 6. Not provided online stack and AAQM systems. 7. Not constructed 15 days storage capacity pond for treated effluents. 8. Not provided proper irrigation network for using treated effluents. 9. Not provided piezometric wells. 10. Not carrying out ground water monitoring. 11. Contamination of spray pond. 12. The ZO, Kurnool recommended to call the industry for review before the task force committee.</td>
</tr>
<tr>
<td>2.</td>
<td>M/s. Prudential Sugar Corporation Ltd., Prudential Nagar, Koppedu (V&amp;P), Nindra (M), Chittoor District</td>
<td>Inspected under action plan for 17 category of industries. The following violations are reported: 1. Not provided flow meters to measure water consumption. 2. Not provided flow meter at the inlet &amp; outlet of ETP to measure the waste water generated and treated. 3. Not provided energy meter and hour meter to the ETP. 4. Not operating ETP. Effluents collected at the outlet of ETP is having high values of pH, TSS, TDS, COF, BOD. The ETP units are not functioning and they are not adequate. 5. Discharging untreated / partially treated effluents onland within the premises in open area adjacent to ETP. Lot of stagnated pools have been formed in area thereby</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>6. Not provided online stack monitoring systems to the boilers.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The ZO, Kurnool recommended to call the industry for review before the task force committee.

### 3. M/s. Sudalagunta Sugars Ltd., Mayura Nagar, B.N. Kandriga (M), Chittoor District.

Inspected under action plan for 17 category of industries.

The following violations are reported:

1. Discharged untreated effluents having COD of 960 mg/l and BOD of 190 mg/l into unlined lagoon bypassing the ETP.
2. Not provided irrigation network for using treated effluents.
3. Not provided online stack monitoring system for the boiler.
4. Not developed greenbelt in 33% of total area.
5. Not ensured waste water generation to less than 100 lts per ton of sugar case crushed.
6. Not complied with the conditions stipulated in the CFO order dt.27.11.2014.

The ZO, Kurnool recommended to call the industry for review before the task force committee.

The inspection reports of the above industries are herewith forwarded to the JCEE UH-II for taking further necessary action.

_Sd/-_  
MEMBER SECRETARY

**Encl:** Inspection Reports- 3 Nos

**To**  
The Joint Chief Environmental Engineer,  
UH-II, Board Office, Hyderabad.

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

JOINT CHIEF ENVIRONMENTAL ENGINEER  
UNIT HEAD - IV
To The Member Secretary, A.P. Pollution Control Board, Hyderabad.

Sir,


Ref:- 1. Action Plan 2015-16

With reference to the above, it is submitted that I have inspected M/s. Prudential Sugar corporation Ltd., Prudential Nagar, Koppedu (V&P), Nindra (M), Chittoor District alongside Analyst, RO, Tirupati on 18.01.2016. Mr. D. Satyanarayana, CEO & Mr. G. A. R. Srinivasa Rao, Sr. Manager (Production) were present during inspection. The report is submitted below:

1. **Products** - The industry is a Sugar Manufacturing unit. The Board issued CFO to the industry vide order dt.28.11.2014 to produce Sugar – 225 TPD, Molasses – 110 TPD & Filter Cake – 75 TPD. The CFO order is valid upto 30.06.2017.

2. **Water Consumption** - The industry was permitted to use the following quantity of water:

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Purpose</th>
<th>Quantity in KLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Process and washings</td>
<td>700.0</td>
</tr>
<tr>
<td>2</td>
<td>Boiler Feed, Cooling (Makeup)/Humidification/ Water spraying</td>
<td>50.0</td>
</tr>
<tr>
<td>3</td>
<td>Domestic</td>
<td>70.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>800.0</strong></td>
</tr>
</tbody>
</table>

3. **Waste Water generation** - The industry was permitted to generate the following quantity of effluents as per CFO order dt.28.11.2014.

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Purpose</th>
<th>Quantity in KLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Trade effluents</td>
<td>694.0</td>
</tr>
<tr>
<td>2</td>
<td>Domestic effluents</td>
<td>6.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>700.0</strong></td>
</tr>
</tbody>
</table>

4. **ETP Details**:
   i. The industry is having ETP consisting of the following units:
      a. Bar screens
      b. Oil & Grease Trap
      c. Collection cum equalisation Tank
      d. Anaerobic Tank
      e. Aeration Tank with fixed aerators of 15 HP motors – 2 Nos
      f. Secondary Clarifier (tube settler) &
      g. Sludge Drying Bed.

   ii. Legal effluent samples were collected from the industry and analyzed. The analysis results are tabulated below:
iii. As seen from the above results, the ETP units are not at all functioning and they are not at all adequate. The industry is discharging the untreated/partially treated effluents on land within premises in open area adjacent to the ETP. Lot of stagnated effluent pools have been formed in that area. The samples were collected from the above pools and analysed. The analysis results are tabulated below:

<table>
<thead>
<tr>
<th>Sampling point</th>
<th>pH</th>
<th>TSS (mg/l)</th>
<th>TDS (mg/l)</th>
<th>COD (mg/l)</th>
<th>BOD (mg/l)</th>
<th>Oil &amp; grease (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet of ETP (Equalization Tank)</td>
<td>5.3</td>
<td>2463</td>
<td>12704</td>
<td>14200</td>
<td>6333</td>
<td>22</td>
</tr>
<tr>
<td>Outlet of Anaerobic Tank</td>
<td>3.7</td>
<td>963</td>
<td>11902</td>
<td>16000</td>
<td>6167</td>
<td>14</td>
</tr>
<tr>
<td>Outlet of Aeration Tank</td>
<td>3.5</td>
<td>1212</td>
<td>10634</td>
<td>17000</td>
<td>6333</td>
<td>10</td>
</tr>
<tr>
<td>Clarifier outlet</td>
<td>3.5</td>
<td>1258</td>
<td>10382</td>
<td>16800</td>
<td>6000</td>
<td>7</td>
</tr>
<tr>
<td>Treated effluent storage tank</td>
<td>3.8</td>
<td>1176</td>
<td>9814</td>
<td>16000</td>
<td>3800</td>
<td>6</td>
</tr>
<tr>
<td>Standard</td>
<td>5.5 – 9.0</td>
<td>100 mg/l</td>
<td>2100 mg/l</td>
<td>250 mg/l</td>
<td>100 mg/l</td>
<td>10 mg/l</td>
</tr>
</tbody>
</table>

iv. It is clear from the above analysis results that the industry is discharging the untreated effluents on land within premises which are having very high values of pH, TDS, COD & BOD and thereby causing ground water pollution in the area.

5. Air Pollution:

The industry is having Water Tube Boilers of capacity 32 TPH – 2 Nos. The industry has provided wet scrubber as control equipment to the boiler.

6. Condition wise compliance report with regard to Schedule –B conditions of CFO:


<table>
<thead>
<tr>
<th>S. No.</th>
<th>Condition</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below.</td>
<td>Not complied. The effluent sample collected at the outlet of ETP is having a pH of 3.5, TSS of 1258 mg/l, TDS of 10382 mg/l, COD of 16800 mg/l &amp; BOD of 6000 mg/l. The ETP is not at all functioning.</td>
<td></td>
</tr>
</tbody>
</table>
The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Purpose</th>
<th>Quantity in KLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Process &amp; Washings</td>
<td>700 KLD/Day</td>
</tr>
<tr>
<td>2</td>
<td>Boiler Feed, cooling (Make up)/ Humidification / Water spraying</td>
<td>50 KLD/Day</td>
</tr>
<tr>
<td>3</td>
<td>Domestic</td>
<td>50 KLD/Day</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td><strong>800 KLD/Day</strong></td>
</tr>
</tbody>
</table>

Separate meters with necessary pipe line shall be provided for assessing the quantity of water used for each of the purposes mentioned below:

- a. Industrial cooling, spraying in mine pits or boiler feed
- b. Domestic purposes
- c. Processing whereby water gets polluted and pollutants are easily biodegradable
- d. Processing whereby water gets polluted and pollutants are not easily biodegradable

The industry shall file the water cess returns in Form-I as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5th of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water cess as per the assessment orders as and when issued by Board.

The stack monitoring could not be conducted as the industry has taken maintenance shutdown on the day of inspection.

The industry is having a DG set of capacity 320 KVA.

AAQM was not conducted on the day of inspection.

As seen from the records submitted by the industry they have crushed 3,02,798 tons of cane during 2014 – 15 and 1,48,796 tons of cane during 2015 – 16 (upto 15.01.2016). The average sugar production was 237 TPD during 2014 – 15.
<table>
<thead>
<tr>
<th>No.</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>The industry vide Ir.dt.14.11.2014 submitted copy of purchase order placed for supply of online stack monitoring system. The industry shall install online stack monitoring system for the boilers (2 x 32 TPH) within two months and the monitoring data shall be connected to the APPCB website.</td>
</tr>
<tr>
<td>10</td>
<td>The industry shall not discharge any waste water into surface water bodies under any circumstances.</td>
</tr>
<tr>
<td>11</td>
<td>The industry should put the ETP in operation at least one month before starting next crushing season to meet the prescribed standards.</td>
</tr>
<tr>
<td>12</td>
<td>The industry shall provide adequate closed shed for storage of fly ash as per TF directions.</td>
</tr>
<tr>
<td>13</td>
<td>The industry should send the ash generated from the boiler to the brick manufacture industries and submit ash disposal details to RO, Tirupati.</td>
</tr>
<tr>
<td>14</td>
<td>The industry should provide interlocking for air pollution control equipments and raw material feeding system.</td>
</tr>
<tr>
<td>15</td>
<td>The industry should maintain the following records and same should be made available to the Board Officials during inspection. 1. Daily production details, RG – 1 records and Central Exise Returns 2. Log book for pollution control systems</td>
</tr>
<tr>
<td>16</td>
<td>Thick green belt should be developed &amp; maintained by the industry with tall growing trees in the vacant places of the unit in an area of minimum 33% of the total area.</td>
</tr>
<tr>
<td>17</td>
<td>The industry shall ensure waste water generation to less than 100 lts per ton of sugar cane crusher</td>
</tr>
<tr>
<td>18</td>
<td>The applicant should submit Environment statement In Form V before 30th September, of every year as per Rule No.14 of E(P) Rules, 1986 &amp; amendments thereof.</td>
</tr>
</tbody>
</table>
7: **Task Force Directions:**

a. The industry was called for a review before the Task Force committee on 24.01.2011 as the industry was discharging untreated effluents having high BOD & COD into low lying areas bypassing the ETP and even the treated effluents are also not meeting the standards. The SPM value in the stack was 545 mg/Nm³ against the standards of 115 mg/Nm³.

b. The Board vide order dt.21.02.2011 issued certain directions to the industry. The industry has not complied with the Task Force directions till date. The status of compliance on the Task Force directions is tabulated below:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Task Force Direction</th>
<th>Compliance status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The industry shall improve the efficiency of the ETP and ensure continuous operation of ETP to comply with Board discharge standards.</td>
<td>Not complied. The effluent sample collected at the outlet of ETP is having a pH of 3.5, TSS of 1258 mg/l, TDS of 10382 mg/l, COD of 15800 mg/l &amp; BOD of 6000 mg/l. The ETP is not at all functioning.</td>
</tr>
<tr>
<td>2</td>
<td>The industry shall route entire effluents through the ETP and avoid bypassing of effluents under any circumstances.</td>
<td>Not Complied. The industry is discharging the untreated/partially treated effluents onland within premises in open area adjacent to the ETP. Lot of stagnated effluent pools have been formed in that area. As per the analysis results of the samples collected from the above pools, they are having very high values of pH, TDS, COD &amp; BOD. Hence, the industry is discharging the untreated effluents onland within premises and thereby causing ground water pollution in the area.</td>
</tr>
<tr>
<td>3</td>
<td>The industry shall utilise the treated effluents onland for gardening / irrigation purpose only and avoid discharge of effluents outside the industry premises under any circumstances.</td>
<td>Not Complied. The industry is discharging the untreated/partially treated effluents onland within premises in open area adjacent to the ETP. Lot of stagnated effluent pools have been formed in that area.</td>
</tr>
<tr>
<td>4</td>
<td>The industry shall install and commission ESP/Bag filter/ High efficiency scrubber to the boiler before starting of next crushing season to meet the stack emission standards.</td>
<td>The industry has installed Wet-Scrubber to the Boiler.</td>
</tr>
<tr>
<td>5</td>
<td>The industry shall provide energy and hour meters, flow meters to ETP and log books of energy consumption, waste water generation, chemical consumption of ETP etc, and submit to the Regional office, Tirupati fortnightly.</td>
<td>The industry has not provided energy meter, hour meters and flow meter to the ETP. Not maintaining any log books.</td>
</tr>
<tr>
<td>6</td>
<td>The industry shall provide adequate closed shed for storage of fly ash in three months time.</td>
<td>Not complied. The industry has not provided closed shed for storage of fly ash. The industry dumping the ash in open area.</td>
</tr>
<tr>
<td>7</td>
<td>The industry shall submit a bank guarantee for Rs 25 lakhs within in one month with a validity period of one year to comply with the directions and regulations. Bank guarantee will be forfeited in case of non-compliance of the Board directions and environmental regulations without further notice.</td>
<td>The unit has submitted Bank Guarantee of Rs 25 lakhs which was expired on 16.03.2014.</td>
</tr>
</tbody>
</table>
8. **Violations:**

The following violations were observed during inspection.

a. The industry has not provided any flow meters to measure the quantity of water consumed for different purposes and not maintaining any records regarding water consumption.

b. The industry has not provided flow meters at the inlet and outlet of ETP to measure the quantity of waste water generated and treated.

c. The industry has not provided energy meter & hour meters to the ETP. The industry is not maintaining any records regarding energy consumption and chemical consumption of ETP.

d. The industry is not operating the ETP. The effluent sample collected at the outlet of ETP is having a pH of 3.5, TSS of 1258 mg/l, TDS of 10382 mg/l, COD of 16800 mg/l & BOD of 6000 mg/l which are far exceeding the standards. The ETP units are not functioning and they are not adequate.

e. The industry is discharging the untreated/partially treated effluents onland within premises in open area adjacent to the ETP. Lot of stagnant effluent pools have been formed in that area. As per the analysis results of the samples collected from the above pools, they are having very high values of pH, TDS, COD & BOD. Hence, the industry is discharging the untreated effluents onland within premises and thereby causing ground water pollution in the area.

f. The industry has not provided the online stack monitoring system to the Boilers.

g. The industry has not provided closed shed for storage of fly ash. The industry dumping the ash in open area.

9. **Remarks:**

a. The ETP provided by the industry is not adequate and is not functioning. The industry is discharging the untreated/partially treated effluents onland within premises in open area adjacent to the ETP. Lot of stagnant effluent pools have been formed in that area.

b. The industry has not complied with the conditions stipulated in the CFO order dt.28.11.2014 and Task Force directions issued vide order dt.21.02.2011.

c. A show cause notice was issued to the industry for non compliance of Task Force directions and conditions stipulated in CFO order.

d. The industry may be called for a review before the Task Force committee and Stringent action may be taken against the industry.

Submitted for kind perusal and for taking further necessary action.

Yours faithfully,

Joint Chief Environmental Engineer,
Zonal Office, Kurnool.
ANDHRA PRADESH POLLUTION CONTROL BOARD
ZONAL OFFICE: KURNOOL
1st Floor, Shankar Shopping Complex, Krishna Nagar Main Road
Phone: 08518-236512,
e-mail: ktrzn.pce@pco.go.in

SHOW CAUSE NOTICE

Sub: PCB-ZO-KNL M/s Prudential Sugar Corporation Ltd., Prudential Nagar, Koppedu (V&P), Nindra (M), Chittoor District - Non compliance of directions issued by the Task Force and CFO conditions - Discharging untreated effluents - Show Notice Issued -Reg.

Ref: 1. Task Force directions dt.21.02.2011
3. Inspection of the industry by the Board Officials on 18.01.2016.

*****
WHEREAS you are operating an industry in the name & style of M/s Prudential Sugar Corporation Ltd., at Prudential Nagar, Koppedu (V&P), Nindra (M), Chittoor District to produce Sugar of 225 TPD, Molasses of 110 TPD & Filter Cake of 75 TPO.

WHEREAS the Board in the reference 1st cited, issued certain directions to your industry to comply with.

WHEREAS the Board in the reference 2nd cited issued consent for operation to your industry under Water and Air Acts with certain terms and conditions.

WHEREAS the Board officials inspected your industry on 18.01.2016 and observed the following violations:

1. The industry has not provided any flow meters to measure the quantity of water consumed for different purposes and not maintaining any records regarding water consumption.

2. The industry has not provided flow meters at the inlet and outlet of ETP to measure the quantity of waste water generated and treated.

3. The industry has not provided energy meter & hour meters to the ETP. The industry is not maintaining any records regarding energy consumption and chemical consumption of ETP.

4. The industry is not operating the ETP. Legal samples were collected from different units of ETP on 18.01.2016 and analysed. The analysis results are tabulated below:

<table>
<thead>
<tr>
<th>Sampling point</th>
<th>Parameter</th>
<th>pH</th>
<th>TSS (mg/l)</th>
<th>TDS (mg/l)</th>
<th>COD (mg/l)</th>
<th>BOD (mg/l)</th>
<th>Oil &amp; Grease (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet of ETP (Equalization Tank)</td>
<td></td>
<td>5.3</td>
<td>2463</td>
<td>12704</td>
<td>14200</td>
<td>6333</td>
<td>22</td>
</tr>
<tr>
<td>Outlet of Anaerobic Tank</td>
<td></td>
<td>3.7</td>
<td>983</td>
<td>11902</td>
<td>16000</td>
<td>6197</td>
<td>14</td>
</tr>
<tr>
<td>Outlet of Aeration tank</td>
<td></td>
<td>3.5</td>
<td>1212</td>
<td>10634</td>
<td>17000</td>
<td>6333</td>
<td>10</td>
</tr>
<tr>
<td>Clarifier outlet</td>
<td></td>
<td>3.5</td>
<td>1258</td>
<td>10392</td>
<td>16800</td>
<td>6300</td>
<td>7</td>
</tr>
<tr>
<td>Treated effluent storage tank</td>
<td></td>
<td>3.8</td>
<td>1176</td>
<td>9614</td>
<td>16000</td>
<td>3900</td>
<td>6</td>
</tr>
<tr>
<td>Standard</td>
<td></td>
<td>5.5 -</td>
<td>100</td>
<td>2100</td>
<td>250</td>
<td>100</td>
<td>10</td>
</tr>
</tbody>
</table>

The industry is hereby directed to comply with the above directions and submit the progress report within one week from the date of issue of this notice.
As seen from the above results, the ETP units are not at all functioning and they are not at all adequate.

5. The industry is discharging the untreated/partially treated effluents on land within premises in open area adjacent to the ETP. Lot of stagnated effluent pools have been formed in that area. The legal samples were collected from the above pools and analysed. The analysis results are tabulated below:

<table>
<thead>
<tr>
<th>Sampling point</th>
<th>Parameter</th>
<th>TSS</th>
<th>TDS</th>
<th>COD</th>
<th>BOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stagnated water on vacant land on SW side behind ETP</td>
<td>pH</td>
<td>4.2</td>
<td>1005</td>
<td>9337</td>
<td>14500</td>
</tr>
<tr>
<td>Stagnated water on vacant land on SW side near fence of unit</td>
<td>TSS</td>
<td>3.7</td>
<td>1488</td>
<td>10289</td>
<td>15800</td>
</tr>
<tr>
<td>Stagnated water on vacant land on NW side behind ETP</td>
<td>TDS</td>
<td>5.8</td>
<td>353</td>
<td>7252</td>
<td>8400</td>
</tr>
</tbody>
</table>

It is clear from the above analysis results that the industry is discharging the untreated effluents on land within premises which are having very high values of pH, TDS, COD & BOD and thereby causing ground water pollution in the area.

6. The industry has not provided the online stock monitoring system to the Boilers.

7. The industry has not provided closed shed for storage of fly ash. The industry dumping the ash in open area.

Hence, you are hereby directed to show cause as to why action should not be initiated against your industry for not complying with the directions issued by the Board and conditions stipulated in the CFO order.

Your reply shall reach this office within 15 days from the date of receipt of this notice failing which action will be initiated against your industry under the provisions of Water (Prevention & control of pollution) Act, 1974 and amendments thereof and Air (Prevention & control of pollution) Act, 1981 and amendments thereof without any further notice.

To
Miss Prudential Sugar corporation Ltd.,
Prudential Nagar, Koppedu (V&P), Nindra (M),
Chittoor District

Copy submitted to the Member Secretary, A.P.P.C.B., Board Office, Hyderabad for information.
Copy to the Environmental Engineer, Regional Office, Tirupati for information.