AGENDA No.08:

<table>
<thead>
<tr>
<th>Name and Address of the industry</th>
<th>M/s. Rayalaseema Thermal Power Plant (RTPP) V.V.Reddy Nagar, YSR Kadapa District.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Status</td>
<td>The industry is in operation.</td>
</tr>
<tr>
<td>Nature of industry</td>
<td>Coal based Thermal Power Plant.</td>
</tr>
<tr>
<td>Consent for Operation &amp; Present status</td>
<td>The unit has obtained CFO from the Board vide order dated. 19.03.2016, valid for the period upto 30.09.2020.</td>
</tr>
<tr>
<td>Whether the industry is closed earlier</td>
<td>--</td>
</tr>
<tr>
<td>Details of revocation of closure/stop production orders, if issued.</td>
<td>--</td>
</tr>
<tr>
<td>Any unconsented products produced</td>
<td>-</td>
</tr>
<tr>
<td>Whether it is Fresh case / Old case and its Status</td>
<td>Old case. Directions issued on 02.04.2017.</td>
</tr>
<tr>
<td>Reasons for current review</td>
<td>Committee were constituted Zone wise to inspect Thermal Power Plants to verify the compliance of Fly Ash notification by Thermal Power Plant in the light of Hon'ble NGT orders dt.20.11.2018 and O.A.No.77/2014, 499/2014 and 102/2014. This case is violation of Fly Ash Rules.</td>
</tr>
<tr>
<td>Recent inspection Conducted by</td>
<td>The Committee inspected the industry on 17.01.2019.</td>
</tr>
<tr>
<td>Bank Guarantee status</td>
<td>--</td>
</tr>
</tbody>
</table>

FACTS OF CASE:


2. The unit has obtained CFO from the Board vide order dated. 19.03.2016, valid for the period upto 30.09.2020.

3. **Details of water consumption:**

   The water requirement from the plant & township being met from Brahamsagar reservoir (about 70 Km away from the plant).

   The industry has provided flow meters at some locations internally in the 3 stages of the TPP viz., raw water treated at RO plant, used for utilities (at stage – 2 & 3) and Domestic purposes. But, there was no meter/s is in place to ascertain total quantity of water drawl for the plant operations. As per the records maintained by the industry, the avg. daily fresh water consumption for the 3 stages together – August, 2016: 65209 KLD (60884 KLD + Domestic – 4325 KLD) with avg. PLF of 5 units – 63.15, September, 2016: 54405 KLD (50503 KLD + Domestic – 3902 KLD) with avg. PLF of 5 units – 55.204, October, 2016 : 76899 KLD (Trade – 73595 KLD + Domestic – 3304 KLD) with avg. PLF of 5 units – 80.224

   The fresh water consumption is exceeding the consented hydraulic load of about 69,264 KLD as per the records maintained.

4. **Details of the effluent generation and flow meters status.**

   The industry is generating wastewater from ash pond, cooling tower blow down, boiler blow down, DM Plant return wash & Township.

5. **Details of the Effluent Treatment systems and disposal**

   The industry has been disposing bottom ash and unutilized fly ash to ash pond. The wastewater from the decanter wells of ash pond is partially recycled and remaining
discharged into irrigation canal (Kalamala vagu) passing at eastern side of the plant. The representatives accompanied the inspection informed that the water from the ash pond is supplied to farmers on their demand for agriculture cultivation at the down stream of the plant.

No flow meters are in place to quantify the actual quantity recycling and discharging into irrigation canal.

6. Details of sources of air pollution and control equipment system:

The industry is having 3 stages established at different years and consisting 5 units of each 210 MW of electricity. All the 5 units are having boilers of 690 TPH capacity (PF boilers) each with bi-flue stack for stage –I & II. The 3rd stage has single flue for dispersion of vent gases from the Boiler. All the boilers are provided with ESP to control emissions of particulate matter in the vent gases. The industry has provided bag filters at transfer points and ash silos. The industry has provide 5 x 800 m³ capacity + 3 x 1200 m³ silos for collection & transit storage of ash. The bottom ash is pumped to ash pond along with unutilized fly ash.

7. The Board has reviewed the status of pollution control measures taken by the industry before External Advisory Committee (Task Force) Meeting held on 03.03.2017 and issued following directions to the industry on 02.04.2017:

a) The industry shall upgrade the air pollution control equipment attached to the boilers of Unit-III & Unit-IV so as to achieve SPM standard of 50 mg/Nm³ as per the MoEF&CC notification dt.07.12.2015.
b) The industry shall restrict specific water consumption less than 3.5 m³/MW as per the MoEF&CC notification dt.07.12.2015.
c) The industry shall calibrate all the online pollution monitoring equipment for continues display of all the parameters.
d) The industry shall treat the decanted water generated from ash pond for removal of heavy metals before disposal.
e) The industry shall achieve 100% of fly ash utilization.
f) The industry shall install 3 CAAQMs as per CPCB directions within 3 months.
g) The industry shall not discharge un-treated decanter water generated from the ash pond into the nearby irrigation canal.

8. The committees were constituted Zone wise to inspect Thermal Power Plants to verify the compliance of Fly Ash notification by Thermal Power Plant in the light of Hon’ble NGT orders dt.20.11.2018 and O.A.No.77/2014, 499/2014 and 102/2014.

9. In this context, M/s.Rayalaseema Thermal Power Project, Kadapa district was inspected by the following committee members on 17.01.2019:

a. Sri Vijaya Kumar, JCEE, Board Office
b. Sri K.V.Rao, JCEE, ZO, Kurnool
c. Sri Narendra, EE, RO, Tirupati

10. M/s.Rayalaseema Thermal Power Project, (M/s.RTPP), V.V.Reddy Nagar, Kadapa district was established during the year 1991-92. The capacity of the M/s.RTPP is 5 x 210 MW + 1 x 600 MW. At present only 2 x 210 MW units are in operation due to low demand.

i) The total Ash generated in the financial year 2018-19 (upto November, 2018) is 11,18,658 MT.
ii) The total Ash disposed in the financial year 2018-19 (upto November, 2018) is 10,58,286 MT.
iii) The total Ash utilization in the financial year 2018-19 (upto November, 2018) is 94.60%.

11. However, huge quantity of ash is accumulated in the ash pond since M/s.RTPP was established in the year 1991-92. The ash quantity available upto the end of November, 2018 is 1,57,58,000 MT. The representatives of M/s.RTPP informed that they will dispose the accumulated ash in the ash pond according to the demand and they informed that it will take time to dispose completely the accumulated ash in the pond.
12. M/s. RTPP is supposed to pay Rs.5.0 Crores towards cost of damages for failing to dispose 100% fly ash upto 31.12.2017, as per orders dt.20.11.2018 of NGT. But, M/s. RTPP has not paid Rs.5.0 Crores towards cost of damages so far.

The JCEE, ZO, Kurnool recommended that M/s. RTPP may be called for review at Board office level, so as to obtain action plan from the unit to comply with the fly ash notification by the Thermal Power Plants.

Conclusion:

In view of the above, the Task Force External Advisory Committee is requested to discuss the issue and recommend further course of action. ***