DIRECTIONS


Ref: 1. Consent Order No. APPCB/VSP/VSP/19/HO/CFO/2016, dt.30.03.2016 (Unit-II).
   2. Consent Order No. APPCB/VSP/VSP/19/HO/CFO/2016, dt.30.03.2016 (Unit-I).
   3. Inspection of the industry by RO officials, Visakhapatnam on 08.02.2017.

WHEREAS you are operating the industry in the name & style of M/s. Hinduja National Power Corporation Ltd., (Unit – I & II), is operating a Coal based Thermal Power Plant of 2 X 520 MW at Palavalasa (V), T. Devada (P), Pedagantiyada (M), Visakhapatnam District in an extent of 533 Acres and with a capital investment of Rs. 8560 Cr.

WHEREAS vide reference 1st & 2nd cited, the industry has obtained CFO & HWA vide Order dt.24.10.2016 for Unit- I and CFO & HWA vide Order dt.30.03.2016 for Unit-II which are valid up to 28.02.2017 respectively.

WHEREAS vide reference 3rd cited, the EE, RO, Visakhapatnam inspected the industry on 08.02.2017 and observed the following violations:

1. The industry has laid 6 nos. of marine pipelines of 400 m length in North eastern direction approximately 45° to the intake structure into the Sea. As per the plan submitted by the industry , the industry has laid outfall system(submerged pipe lines 6 nos) of nearly 450 meters from the outlet chamber, totaling to nearly 900 meters from the shore line.
2. Though the industry completed laying of marine pipelines in the sea Bed the discharge of cooling water (unit-1&2) was observed at 444mt due to breakage of pipe line of coastal outfall jetty.
3. The industry has not provided water meters at service water, domestic, ash water sump for assessing the water consumption quantities for both the units.
4. The industry has not provided water meter for effluent quantity measurements.
5. The industry has not provided temperature indicator at marine out fall for measurement of temperature of intake water and discharged water.
6. The industry has not complied with the fly ash notification. The industry has generated 3.5 lakhs tons of ash and not utilized.
7. Industry has not provided cladding system to the 4 x 1400 TPH coal crusher screeners. Thus, results accumulation of fine coal on the ground at coal crusher area.
8. Industry has not provided adequate water sprinkling arrangement at crusher coal storage yard to avoid fugitive emissions during high winds.
9. As per the Ambient Air Quality monitoring conducted on 25.01.2017 at unit-I, the PM10 (RSPM) value measured as 124.0 ug/Nm³ against the standard of 100 mg/Nm³.
10. The industry is not recycling the ash pond decanted water.
11. The industry has not connected the 2 nos. of stacks and 3 nos. of CAAQM online monitoring systems to APPCB / CPCB website.
12. The industry was not operating the STP for treatment of domestic wastewater.
13. The industry has not provided Continuous Effluent Monitoring system (CEMS) for the effluents that are letting in to sea as per the CPCB directions.

WHEREAS vide reference 4th cited, hearing was conducted before the External Advisory Committee (Task Force) Meeting of A.P. Pollution Control Board on 21.04.2017. The representatives of the industry attended the legal hearing. The committee noted that there was a breakage in the pipeline at 444 meter point of coastal out fall jetty and discharge of cooling blow down (effluents) due to breakage. The representative of the industry informed that they there is a leakage developed which could be due to a joint failure of pipe lines which needs to
be examined. Survey of pipeline with side scan sonar to be undertaken to identify leakages if any and the exact profile of pipeline. In case of leakages are identified, rectification works will be under taken. It was informed that they will provide water meters at service water, Potable water, Ash sealing, Ash water sump for assessing the water consumption quantities and will be completed by April 2017. They informed that installation of temperature indicator at marine outfall is being worked out and will be completed by end of July 2017. They informed that they have tied up with M/s. Ashtech for utilization of Fly Ash and packing has been practiced in Jumbo export. The Industry marketing team is also proactively taking up identification of additional prospective vendors/customers to ramp up the usage to reach upto 100% utilization of fly ash. It was also informed that they provided the dust extraction system for controlling the fugitive emissions and installed water sprinkling systems.

The Committee after detailed discussions, recommended to issue the following directions:

1. **The industry shall provide water meters at service water, domestic, ash water sump for assessing the water consumption quantities for both the units within 15 days.**
2. **The industry shall rectify the leakage/discharge of the once through cooling water in to marine out fall and shall discharge at the point recommended as per the EC.**
3. **The industry shall provide temperature indicator at marine out fall for measurement of temperature of water near discharge points within 3 months.**
4. **The industry shall comply with the fly ash notification issued by Govt. of India.**
5. **The industry shall provide cladding system to the 4 x 1400 TPH coal crusher screeners within four months.**
6. **The industry shall recycle ash pond decanter water by installing the clarifier within one month as committed by the management.**
7. **The industry shall continuously operate the STP for treatment of domestic wastewater.**
8. **The industry shall provide Continuous effluent Monitoring system (CEMS) for the effluents that are letting in to sea within 15 days.**
9. **The industry shall ensure continuous compliance of the conditions issued in the CFO & HWA order.**

This order is issued under Sec.33(A) of Water (Prevention and Control of Pollution) Amendment Act, 1986 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, 1986 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., **16.05.2017.**

**Sd/-**

MEMBER SECRETARY

**To:**
M/s. Hinduja National Power Corporation Ltd., (Unit – I & II), Palavala (V), T. Devada (P), Pedagantyada (M), Visakhapatnam District.

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

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

JOINT CHIEF ENVIRONMENTAL ENGINEER

UH-II