Reqd. Post With Ack Due


DIRECTIONS

Sub: PCB - TF-HO - M/s. Simhadri Super Thermal Power Project (Stage-I & II), NTPC Limited, Parawada, Visakhapatnam District – Non-Compliance of Board Directions - Legal hearing held on 03.03.2017 – Directions – Issued – Reg.

3. Order No. 720/APPCB/UH-II/TF/VSP/2016, dt. 08.08.2016.
4. Board officials inspected the industry on 10.11.2016 under randomized risk based inspections.
5. External Advisory Committee (Task Force) Meeting held on 03.03.2017.

Whereas you are operating the industry in the name & style of M/s. Simhadri Super Thermal Power Project (Stage-I & II), (M/s. National Thermal Power Corporation Limited), Parawada, Visakhapatnam District with a power generation of 2000 MW (Existing: Stage-I (Unit-1 & 2) – 1000 MW, Existing: Stage-II (Unit-3 & 4) – 1000 MW).

Whereas vide reference 1st cited, the Board issued directions to the industry on 05.10.2012 for non-compliance of Board directions and Standards.

Whereas vide reference 2nd cited, the Board issued Consent for Operation and Hazardous Waste Authorization order vide dt. 13.11.2014 which is valid upto 31.08.2017.

Whereas vide reference 3rd cited, the Board has reviewed before External Advisory Committee (Task Force) meeting is held on 15.07.2016 and issued following directions to the industry on 08.08.2016:

1. The industry shall carry out long term monitoring on the impact of ash ponds on ground water quality in the surrounding villages as per recommendations of the NEERI report.
2. The industry shall carry out performance evaluation of the STPs and take necessary action as per the recommendations of the evaluation report to augment the operations of STP.
3. Standard Operating Procedures may be placed at the STPs with proper training to the operators.
4. The industry shall maintain permanent mechanical sprinklers for suppression of dust on the haulage roads in between the villages.
5. The industry shall achieve 100% ash utilization as per the recent fly ash notification of MoEF, Govt. Which includes the transport of fly ash by NTPC to the sites of fly ash consumption within 100 KM. Separate Financial Budget provision to be made by NTPC.
6. The industry shall ensure the validity of CFO of the Board and ensure continuous compliance of the conditions issued by the Board.

Whereas vide reference 4th cited, The Board officials inspected the industry on 10.11.2016 under randomized risk based inspections and furnished observations is as follows:
The industry is not maintaining the water curtain in some parts of the ash pond – 1.
The industry is not operating the water sprinklers at some parts in the ash pond – 2
wherein dyke wall rising works are going on.
The industry has not initiated action on recommendations of the NEERI report.
The industry is not meeting the Ambient Air quality standards in respect of PM10 & PM2.5 at Pittavanipalem (V) as well as within the industry premises.
The industry has provided continuous online effluent monitoring system but not
connected to CPCB server.
The industry is not complying with the fly as notification and is disposing the fly ash on
an average 35% of its fly ash generation for the last five years.
As per the report submitted for the period 01.04.2015 to 31.03.2016, the Ash utilization in
2015 – 16 is 10,33,470 Tons against generation of 2923413 Tons and the % of ash
utilization is only 35.35%.
As per the fly ash utilization report submitted by the industry, for the month of October-
2016, the ash utilized is 165060 Tons against the generation of 267311 Tons. Hence the
percentage for Ash utilization is only 61.75.
At present, the total fly ash accumulated in the ash pond is more than 18.0 Million Tons.

Whereas vide reference 5th cited, legal hearing was conducted before the External Advisory
Committee (Task Force) Meeting of A.P. Pollution Control Board on 03.03.2017. The
representatives of the industry attended the legal hearing. The committee noted the non-
compliance of CFO order conditions and the directions of the Board. The representative of
the industry informed that the percentage of utilization of fly ash during the year 2016-17 has
increased to 85%, due to various efforts. It was informed that they provided water sprinklers
for suppression of dust along the haulage roads in between the villages. It was informed that
the installation of piezo meters on each side of ash dyke on upstream and downstream of
ash pond has been initiated as per recommendation of NEERI and procurement of piezo
meters is in the process. Installation of piezo meters will be completed by the end of May,
2017.

They informed that pre-monsoon and post monsoon samples to be collected after installation
of piezo wells and analyzed for major cations, anions and trace elements.

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

1. The industry shall maintain proper water curtain in the Ash pond to avoid dust
   nuisance to the surrounding villages within 15 days.
2. The industry shall take all necessary precautionary measures (sufficient water
   sprinklers, frequency of operations and exclusive man power) during dyke wall rising
   works at ash pond.
3. The industry shall achieve 100 % ash utilization as per the fly ash notification and
   amendments thereof within the time limits specified in Fly Ash Rules.
4. The industry shall submit Action Plan for long term monitoring on the impact of ash,
   ponds on ground water quality in the surrounding villages as per recommendation of
   the NEERI report within one month
5. The industry shall comply all the directions issued by the Board vide order
dt.08.08.2016.
6. The industry shall ensure continuous compliance of the conditions issued in the CFO
   & HWA order dt.13.11.2014.

The order is issued under Sec.31 (A) of Air (Prevention and Control of Pollution) Act, 1987
and under Sec.33 (A) of the Water (Prevention & Control of Pollution) Ambient Act, 1988.

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., 13.04.2017

To
M/s. Simhadri Super Thermal Power Project (Stage-I &II),
NTPC Limited, Parawada,
Visakhapatnam District.

Copy to:
1. The Chief Environmental Engineer, APPCB, Visakhapatnam for information.
2. The Joint Chief Environmental Engineer, ZO, Visakhapatnam for information and necessary action.
3. The Environmental Engineer, Regional Office, Visakhapatnam for information and necessary action.

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

JOINT CHIEF ENVIRONMENTAL ENGINEER
UH-II