

By Speed Post

F. No. B-190194/WQM-II/CPCB/others (Ferti)/03/2017-18

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06-12-2017

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To,

**M/s Indian farmers Fertiliser Cooperative Ltd.,
Phulpur, P.O. Ghiyanagar,
Allahabad-212404,
Uttar Pradesh**

DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986

WHEREAS, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries under the Environment (Protection) Act, 1986 and the rules framed there under; and

WHEREAS, the Ministry of Environment, Forest and Climate Change, Govt. of India, vide notification S.O.157(E) of 27.02.1996 has delegated powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board (CPCB), to issue direction to any industry, Municipal Corporation, Municipal Council, Cantonment Board to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules, 1986 and other standards and norms; and

WHEREAS, M/s **Indian farmers Fertiliser Cooperative Ltd., Phulpur, P.O. Ghiyanagar, Allahabad-212404, Uttar Pradesh** (hereafter referred as 'the Unit') is engaged in production of urea using Naptha and Liquefied Natural Gas (LNG) as raw material; and

WHEREAS, CPCB issued show cause notice dated 16.02.2017 under section 5 of Environment (Protection) Act, 1986 to the unit; and

WHEREAS, the Unit was inspected by CPCB officials on 28.08.2017 with reference to surveillance of industrial units (based on SMS alert monitoring) with respect of SMS received for PM parameter from boiler stack and following observations are made:

- The Unit was operational during the day of inspection.
- The Unit is engaged in production of Urea using Naptha, Liquefied Natural Gas (LNG) as raw material.
- The units consist of two units; namely Phulpur-1 was commissioned in 1981 while Phulpur-2 was commissioned in the year 1997.
- The Phulpur-1 has installed capacity of 2115 TPD and Phulpur-2 has installed capacity of 3030 TPD. The total capacity of the unit is 18.87 lakh MTPA of urea production. During inspection, unit was in operation with present production of 2115 TPD (Phulpur-1) and 3030 TPD (Phulpur-2) of Urea.
- The unit is meeting its fresh water requirements through 17 borewells. Electromagnetic water meters were installed at the bore wells and logbook maintained. As informed, the unit is operating only 05 bore wells and remaining is kept as standby.
- The unit is generating approx. 3020 m³ of effluent, which is treated in its effluent treatment plant.
- Treated effluent from various units of the plant is sent to the Guard Pond. The unit has three Guard Pond with capacity of 10000m³, 7000m³ and 7000m³ respectively. After retention in the Guard Pond, the effluent is partially sent to the RO plant and remaining is used for irrigation, Horticulture, Coal Yard Spray etc. The unit has installed OCEMS at the outlet of Guard Pond for pH, flow and Amm. Nitrogen parameter.

- During the inspection, it was found that Tishora drain is passing through the plant premises. Tishora drain ultimately meets with Mugarsan Lake after travelling approx. 14 km. Overflow of Mugarsan Lake meets to River Ganga.
- During the inspection, no effluent was found discharged into Tishora drain.
- Samples were collected at the recycle point of the Guard Pond and Tishora drain. Analysis results of samples from recycling plant of guard pond showed that the unit is meeting with the stipulated norms with pH: 7.23 (norms: 6.5-9.0), SS: 30 mg/l (norms: 100 mg/l).
- The unit has Sewage Treatment Plant (STP) with capacity 300m³/day for the treatment of sewage generated from the colony of the unit. Samples were collected at aeration tank and outlet of STP and analysis results showed that the unit is complying with the stipulated norms with pH: 8.10 (norms: 5.5-9.0), TSS: 14.6 mg/l (norms: 100 mg/l), COD: 56.0 mg/l (norms: 250 mg/l), Amm. Nitrogen: 1.11 mg/l (norms: 50 mg/l), TKN: 3.36 mg/l (norms: 100 mg/l).
- The unit has 04 boilers with capacity 125 TPH, 125 TPH, 125 TPH and 130 TPH, respectively. During the inspection, Boiler No. 3 was in operation. Monitoring of boiler with capacity 125 TPH was carried out. Analysis results showed the emission from the boiler stack is meeting with stipulated norms with PM: 56 mg/Nm³ (Norms: 350 mg/Nm³).
- The unit has installed OCEMS in all coal fired boiler.
- The unit has not installed OCEMS at Prilling tower.
- It was informed by the unit representative, that SMS alert generated from the entire coal fired boiler was due to the set limit of PM at OCEMS 100 mg/Nm³ as against the consented norms of 350 mg/Nm³. Further, it was also informed that these boilers are installed in 1980 and hence UPPCB has given limit of PM-350 mg/Nm³. Now, the issue has been resolved and limit has been set to 350 mg/Nm³.
- It was informed by unit representative, ESP of Boiler no.1 is under renovation to achieve PM limit to 30 mg/Nm³ by upgrading its ESP.
- The Hazardous Waste (HW) generated from the unit is stored at temporary HW storage shed. The management and handling of HW in the unit is very poor.
- The unit has valid consents under Water/Air Acts with validity upto 31.12.2017 and valid authorization for generation, storage and disposal of hazardous waste under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

AND NOW, THEREFORE, in view of the above observations and exercising powers delegated to the Chairman, Central Pollution Control Board under section 5 of the Environment (Protection) Act, 1986, show cause notice dated 16.02.2017 is revoked herewith and the unit is directed to comply with the following direction:

1. The unit **M/s Indian farmers Fertiliser Cooperative Ltd., Phulpur, P.O. Ghiyanagar, Allahabad-212404, Uttar Pradesh** shall treat their effluent to meet the effluent discharge standards as notified under Environment (Protection) Rules, 1986.
2. The unit shall ensure continuous connectivity with CPCB server.
3. The unit shall separate storm water drain and effluent drain. The storm water drain shall not mix with effluent drain in any case.
4. The unit shall expedite renovation of its boiler ESPs to achieve the stipulated norms.
5. The unit shall install mechanical oil skimming system at the Phulpur-1 (Ammonia-1 and Urea-1).

In case of default in compliance with the above directions, CPCB will be constrained to initiate action without any further notice, in accordance with the provisions of the Environment (Protection) Act, 1986.


(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to:

1. **The Chairman**
UP Pollution Control Board,
Building No. TC-12V,
Vibhuti Khand, Gomti Nagar, Lucknow-226010,
Uttar Pradesh
2. **The Adviser (CP Division)**
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhavan, Jorbagh Road,
New Delhi - 110 003
INDIA
3. **The Regional Director**
Regional Directorate (N),
Central Pollution Control Board,
PICUP Bhawan, Ground Floor,
Vibhuti Khand, Gomtinagar, Lucknow
4. **The Incharge**, IT Division, CPCB, Delhi
5. Master copy (Ferti.), WQM-II, CPCB

: For kind information

[With a instruction to ensure
the compliance of the above
direction]


(A. SUDHAKAR)
MEMBER SECRETARY