

By Speed Post

F.NO. B-23012/1/IPC-III / 908

December 07, 2018

To,

M/s Tirupati Starch & Chemicals Ltd,
Main Road of Village-Sejwaya, Ghatabillod,
Dist- Dhar, Madhya Pradesh(M.P.)

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, & 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 & effluent standards notified under the Environment (Protection) Rules, 1986 and other standards and norms; and

WHEREAS, M/s Tirupati Starch & Chemicals Ltd, Dist- Dhar, MP (*hereafter referred to as 'the Unit'*) has consented capacity for producing 64800 MT/Year (Starch), 1080 MT/Year (Dextrose monohydrate), 4320 MT/year (Dextrose anhydrous) and 7200 MT/Year (Dextrose Syrup); and

WHEREAS, the Unit was inspected by a team of officials from CPCB on 26.02.2018 to verify the compliance status & following observations were made:

1. The Unit manufactures maize starch & Dextrose anhydrous, mono hydrate & syrup. During inspection, the Unit and its ETP were operational.
2. The Unit is not having valid consent under Water & Air Act (expired on 30.09.2017). The Unit has applied for renewal of consent & paid the necessary fee on 18.09.2017.
3. The Unit has not obtained HW Authorization from MPPCB.
4. ETP consist of preliminary treatment, primary treatment, secondary (anaerobic & aerobic) and tertiary treatment. The ETP treated effluent is stored in lagoons and the same is used for farming/irrigation purpose.
5. During the visit, the sludge drying beds were found empty and the entire sludge from the digester & clarifier were spread at the ETP area as well as outside the plant boundary in the agricultural area.
6. The sample collected at the ETP final outlet showed pH-8.19 (*norms-5.5-9.0*), TSS-164 mg/l (*norms-100 mg/l*), BOD-114 mg/l (*norms-30mg/l*); COD-401 mg/l (*norms-250 mg/l*), O&G-3.5 mg/l(*norm-10mg/l*); which indicates non-compliance w.r.t BOD, COD & TSS prescribed consented norms of MPPCB.
7. Stack monitoring of 15 TPH boiler showed Particulate Matter (PM) concentration 175 mg/Nm³ (*against the MPPCB norm of - 50 mg/Nm³*).
8. At the time of visit, the fly-ash were falling from the ESP hopper as conveyor was under repair due to which a lot of fugitive emission occurring, and also a lot of air pollution was observed from the stack attached to the boiler.

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9. The Unit has two old boilers (2TPH & 3TPH capacity) which were reported not in operation & plant manager informed that these old boilers were not in use from last 1 year. It was also informed that DG set was not in operation from last 3 years.
10. Housekeeping was not proper at ash handling area and ETP area.

AND WHEREAS, CPCB issued direction vide letter dated 26.04.2018 under section 5 of the Environment (Protection) Act, 1986, to M/s Tirupati Starch & Chemicals Ltd, Dist-Dhar, MP for compliance with following:

1. The Unit shall immediately close down all the manufacturing operations and shall obtain valid consent from MPPCB under Water act, Air act & Authorization under H&W Rule.
2. The Unit shall submit ETP adequacy assessment report duly validated by concerned reputed organisation like NEERI/CPPRI/IIT and accordingly augment/upgrade the ETP facility so as to meet the prescribed effluent norms. The Unit shall submit time bound action plan for the up gradation/augmentation of ETP as per the adequacy report including installation of RO plant, multiple effect evaporator (MEE) & dryer/ATFD as per their proposal presented before MPPCB to achieve the zero liquid discharge from the unit.
3. The Unit should upgrade/augment/ensure proper O&M of the Air Pollution Control Device for the 15 TPH coal based boiler and control the fugitive emissions from the Ash Handling area and coal storage shed.
4. The Unit should repair the fly ash conveyor & to install the pneumatic system including silo for fly ash handling to avoid spillages & fugitive emission.
5. The Unit shall maintain the logbooks for water consumption, treated effluent reused in process, cooling and for green development/gardening within premises.
6. The Unit shall dispose of the sludge in a scientific manner.
7. The Unit should control the leakages from the stack and make proper platform for stack emission monitoring purpose.
8. The Unit shall improve the Housekeeping.
9. The Unit shall report to CPCB regarding closure of manufacturing operations in compliance of the direction immediately on receipt of this direction.
10. The Unit shall seek permission from CPCB before resumption of the manufacturing operation.

AND WHEREAS, the Unit replied vide letter dated 26.06.2018 & informed the status of compliance of closure direction, however did not submitted ETP adequacy assessment report, date of closure of manufacturing operation, etc.; and

WHEREAS, CPCB asked the unit vide letter dated 13.07.2018 to submit *self-certificate*, adequacy assessment report of the ETP system, notary attested *affidavit* on stamp paper; and

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WHEREAS, the Unit replied vide letter dated 04.10.2018 & informed to have closed down the manufacturing operation w.e.f 08.08.2018 & submitted valid 'consent to operate' under water & air act, 'affidavit' for compliance with direction, ETP adequacy assessment report of Shri Govindram Seksaria Institute of Technology & Science (SGSITS), Indore, MP & requested for resumption of operation; and

WHEREAS, the unit has not closed down its manufacturing operation immediately on receipt of the closure direction & continued operation. The Unit has closed its operation on 08.08.2018 for which levy of environmental compensation & action as per the law shall be initiated separately; and

WHEREAS, CPCB constituted a three-member Committee vide office order dated 03.10.2017 having representative(s) from CPCB and MoEF&CC for examination and recommendation for revocation of closure direction issued by CPCB; and

WHEREAS, the Committee in its meeting held on 15.11.2018 reviewed the compliance made by the unit & verified the supporting documents in line with the agreed criteria and recommended that the unit may be allowed to resume its manufacturing operation with certain conditions; and

NOW, THEREFORE, in view of the above and in exercise of the powers delegated to the Chairman, CPCB under section 5 of the Environment (Protection) Act, 1986, the aforesaid closure direction issued to **M/s Tirupati Starch & Chemicals Ltd**, Dist-Dhar, Madhya Pradesh vide letter dated 26.04.2018 is **hereby revoked** subject to the following conditions:

- 1 Performance assessment of the effluent treatment system & APCD including analysis of treated effluent & emission by the same reputed government institute and the same shall be submitted to CPCB, within 60 days from the date of resumption of manufacturing operation.
- 2 Installation of RO, MEE & ATFD by December 15, 2018 as per the action plan of the unit for ZLD and the compliance status report shall be submitted to CPCB by December 20, 2018.

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

/s/ (S.P. SINGH PARIHAR)
CHAIRMAN

Copy to:

1. **The Member Secretary,** : [To ensure compliance of the
Madhya Pradesh Pollution Control Board, direction pl]
Paryawaran Parisar, E-5 Arera Colony,
Bhopal - 462 016.
2. **The Regional Director,** : [For kind information]
Central Pollution Control Board,
3rd Floor, Sahkar Bhawan,
North T.T. Nagar,
Bhopal - 462 003

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3. **The Advisor** (CP Division) : [For kind information]
Ministry of Environment, Forest & Climate Change,
IndraparyavaranBhavan, Jor Bagh Road,
New Delhi - **110 003**
4. **The District Magistrate,** : [For information pl.]
Collector Office, Prakash-Nagar,
Dist-Dhar, Madhya Pradesh-**454001**
5. **The Managing Director,** : [To connect the electric power
supply of the said unit in
Madhya Pradesh Paschim Kshetra Vidyut Vitaran
Company Ltd. (MPPKVVCL),
GPH Compound, Pologround, Industrial Estate, Indore,
Madhya Pradesh 452003 compliance of direction issued
under section 5 of the E(P)Act,
1986 by CPCB]
- ✓ 6. The Divisional Head, IT Division, CPCB, Delhi : [To upload the direction at CPCB
website]
7. The Divisional Head, IPC-III Division, Delhi : For record purpose.


(PRASHANT GARGAVA)
MEMBER SECRETARY