

Speed Post

F. No. B-515/PCI-III/2K19-2K20

18th June, 2019

To,

The Chairman

Haryana State Pollution Control Board,

C-11, Sector 6, Panchkula,

Haryana

Direction under section 18(1) (b) of the Water (Prevention & Control of Pollution) Act, 1974

WHEREAS, among others, under Section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the State Pollution Control Board (SPCB)/Pollution Control Committee (PCC), constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to plan a comprehensive programme for prevention, control of abatement of pollution of streams and wells located in the State/UT and to secure the execution thereof; and

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

WHEREAS, the SPCBs/PCCs can stipulate stringent standards for discharge of environmental pollution from various categories of industries than those notified by the Central Government, under the Environment (Protection) Act, 1986 and rules framed there under; and

WHEREAS, the CPCB and SPCBs have been pursuing the polluting industries to install effluent treatment plants (ETPs) to comply with the effluent discharge standards as notified under the Environment (Protection) act, 1986 and the Rules framed there under; and

WHEREAS, in compliance to the direction of Yamuna Monitoring Committee appointed by Hon'ble NGT, a team comprising of officials from Central Pollution Control Board (CPCB) and CSIR-National Environmental Engineering Research Institute (CSIR-NEERI) visited and monitored Yamuna River and drains leading to the River during 24 - 27th Dec, 2018, to assess and identify the probable source of pollution to river Yamuna; and

WHEREAS, the joint inspection team had collected samples of the ditch drain which finally merges with river Yamuna, from the upstream and downstream of **M/s RSL Distilleries Pvt. Ltd., Vill. Chandrao, P.O-Chogawan, Teh. Indri, Dist. Karnal Haryana** (hereinafter referred to as 'the unit') to confirm the discharge from the unit and the joint team had also visited the unit and based on the observations made by the team, CPCB had issued a Notice u/s 5 of the E(P)Act, 1986 on 18.03.2019 to the unit; and

WHEREAS, the unit had provided its reply to the notice issued by CPCB and a team from CPCB. H.O, Delhi had inspected the unit on 09.05.2019 for verification of the status of compliance with respect to the SCN issued by CPCB and the inspection team has made the following observations; and

1. The unit is engaged in manufacture of ENA using grain as raw material with consented capacity of 120 KLPD. During inspection unit was in operation at 80 KLPD.
2. As per the Consent to Operate condition, the unit has to maintain ZLD for effluent and the unit has provided ETP/ZLD systems for achieving ZLD. ETP consists of Decanter, MEE, Condensate polishing unit with UASB, FAB reactors, secondary clarifier, chemical addition, tertiary clarifier, Chlorine dosing, Multi grade and Activated carbon filter and softener. The treated effluent is utilised in cooling tower makeup and in the process for wash preparation. During the visit, the ETP/CPU systems were in operation and treated water was being recycled. The wet cake from the decanter was taken out as DWGS. The unit has also provided dryer for production of DDGS; however the same was not found to be in operation during the visit and it was informed that DDGS is produced on demand basis only.
3. The treated effluent quality appears to be suitable for recycle/reuse. However the increase in TDS values in the final treated effluent, compared to the secondary clarifier outlet needs to be examined by the unit. This may be due to the chemical addition and chlorine dosing being carried out after secondary clarifier and hence the design aspects may be reviewed.
4. The unit has provided a concrete lagoon with lining, as informed for emergency collection of untreated effluent. The same was observed to be partially filled with effluent and as informed the same is used for storing effluent during process disturbances or disturbances in the ETP/ZLD system. However as per the consent to operate issued by HSPCB, provision for such storage lagoon has not been granted.
5. The unit has obtained consent to operate under the Water/Air Acts and Hazardous Waste Authorization, valid up to 30.09.2019.
6. During inspection, grab samples were collected from ditch drain traversing from Yamuna Nagar and passing near to the boundary of the unit and ultimately meeting River Yamuna. Samples were collected at downstream and upstream to the unit (approx at distance of 500m from the unit), and at an intermediate point near to the storage lagoon of the unit located close to the said drain.
7. The analysis results of the sample are reproduced below;

Sampling Locations	Parameters						
	pH	COD	BOD	TSS	TDS	SO ₄ ²⁻	NO ₃ -N
Ditch Drain D/s of the Distillery Unit	7.61	293	84	232	892	36	0.37
Ditch Drain u/s of the Distillery Unit	7.49	275	61	100	988	38	0.55
Ditch Drain at intermediate point near storage lagoon	7.52	1728	509	3740	912	80	0.59

The analysis results at the upstream and downstream locations indicate slight increase in parameters COD, BOD, TSS while other parameters shows slight variance. However the intermediate sample is showing much higher values of COD, BOD, TSS & Sulphate parameters.


8. It is evident from the above results that the quality of the ditch drain at the upstream and downstream locations indicates presence of untreated sewage/industrial effluent and points to the gaps in collection and poor/no treatment of sewage at the upstream locations.

NOW THEREFORE, in view of the above and in exercise of powers delegated to the Chairman, Central Pollution Control Board under section 18 (1) (b) of Water

(Prevention & Control of Pollution) Act, 1974, you are directed to comply with the following directions:

1. The unit shall be kept under surveillance by HSPCB to ensure continuous compliance of the unit to the 'Consent to Operate' conditions, especially on ZLD.
2. The provision of storage lagoon provided by the unit for storage of untreated/partially treated effluent shall be reviewed as the same has not been included in the Consent to Operate issued by HSPCB. Accordingly timely necessary action shall also be ensured.
3. The concrete pipelines passing beneath the unit and claimed to be used for removing rain water may be further examined and possibility of alternate system may be explored so that the pipelines can be dismantled. In any case, it may be strictly ensured that industrial effluent is not getting discharged from these pipelines by the unit.
4. The quality of ditch drain samples also indicates that the drain carries untreated effluent/sewage, which ultimately is mixing with River Yamuna. A time bound action plan for interception of entire sewage & effluent/provision for its treatment so as to ensure that untreated sewage & effluent is not discharged into the River Yamuna shall be prepared and executed in consultation with the concerned Local Government Bodies and Departments.
5. The present design of the ETP/CPU provided by the unit may be reviewed and an adequacy assessment study may be carried out if required, so as to ensure that required recycle quality is achieved continuously.

Necessary actions, as above may therefore be taken and an action taken report shall be submitted to CPCB within 30 days of receipt of directions.


(S P Singh Parihar)
CHAIRMAN

Copy to:

1. **The Joint Secretary (CP Division)** : For information please.
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi - 110 003
2. **The Regional Director,** : For information please.
CPCB Regional Directorate (North)
PICUP Bhawan, Ground Floor,
Vibhuti Khand, Gomti Nagar,
Lucknow - 226 010
3. The In-charge, IPC-III Division, CPCB :
- ✓ 4. The In-charge, IT Division, CPCB :


(Prashant Gargava)
MEMBER SECRETARY