



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA

CM-13014/37/2022-WQM-II-

5012

September, 17, 2024

To,

M/s Globus Spirits Ltd. (Distillery Unit),
Plot No. B-7, Panagarh Industrial Park,
P.O-Kota, District- Purba Bardhaman,
West Bengal-713148

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

WHEREAS, Distilleries are identified as one of the 17 categories of highly polluting industries which have been discharging environmental pollutants directly or indirectly into the ambient air and water, having potential threat to cause adverse effect on the water and air quality; and

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

WHEREAS, it is obligatory on the part of industries to install effluent treatment plants (ETPs) and air pollution control devices (APCDs) to comply with the effluent discharge and emission standards as notified under the Environment (Protection) Act, 1986 and the Rules framed there under and also to meet the consent conditions granted by State Pollution Control Board (SPCBs)/ Pollution Control Committees (PCCs); and

WHEREAS, Hon'ble NGT EZ Bench, Kolkata vide its order dated 27.07.2022; in the matter of All India Anti-Corruption Organization Vs Govt. of West Bengal & Ors (O.A. No. 96/2022/EZ); constituted a Joint Committee comprising of officials from CPCB and WBPCB to examine the allegations with regard to the wastewater from M/s Globus Spirits Ltd. (Distillery Unit) flowing through sewage canal, namely, De Moral and reaching to the MC-3 Carmel DVC and also flowing into Khari River; and

WHEREAS, in compliance of the said Hon'ble NGT order dated 27.07.2022, the joint team of CPCB and WBPCB carried out the inspection of M/s Globus Spirits Ltd. (Distillery Unit) Plot No. B-7, Panagarh Industrial Park, P.O-Kota, District-Purba Bardhaman, WB (hereinafter referred as 'the Unit') on September 07-08, 2022; and

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, New Delhi - 110032

दूरभाष/Tel: 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

WHEREAS, as per the joint inspection report, the said Distillery Unit was found grossly violating the norms/consent order issued by WBPCB and also violating the ZLD condition as given in Environment Clearance / Consent order. The discharge of untreated wastewater of such high organic load outside the Unit premises into the Canal was posing grave injury to the surrounding environment, water body and Khari River; and

WHEREAS, based on the findings of joint inspection team, CPCB issued closure direction dated 21.12.2022 to M/s Globus Spirits Ltd. Kota, District-Purba Bardhaman, WB under section 5 of E(P) Act, 1986 and directed to close all the manufacturing operations of the Unit till compliance of directions; and

WHEREAS, the Unit vide its letter dated 06.01.2023 and 16.01.2023 has submitted the compliance status of the closure direction dated 21.12.2022 along with 'self-certificate' wherein Unit has declared to have close down all its manufacturing operations w.e.f. 13.01.2023; and

WHEREAS, in compliance of the said closure direction and to verify the compliance made by the Unit, a team of officials from CPCB inspected the Unit on 08.02.2023 to physically verify the compliance made by the Unit. The Unit was found closed during the visit and there was no discharge of effluent outside the plant premises and submitted the inspection report to CPCB; and

WHEREAS, the Committee in its meeting held on 17.03.2023 reviewed the compliance made by the Unit & based on the submitted supporting document, the Committee recommended for resumption of its manufacturing operation with certain conditions; and

WHEREAS, CPCB issued revocation direction dated 06.04.2023 under section 5 of E(P) Act, 1986 to the Unit with following conditions:

1. The Unit shall deposit the Environmental Compensation(EC) amount of Rs.48,00,000/- (Forty-Eight Lakhs only) in CPCB account A/C No.532702050000164 (Bank Name: Union Bank Of India, IP Extension, Branch, Vikas Marg Extn., Delhi; IFSC:UBIN0553271) for observed non-compliances/violation, before start of manufacturing operations.
2. The Unit shall communicate date of commencement of plant operation to CPCB and revocation would be granted for an initial period of three months after the commencement of operation and in case of compliance of conditions as stipulated below, the revocation direction shall be deemed to continuing on the stipulated conditions.
3. Before commencement of operations, the Unit shall obtain valid Consents under the Water Act, Air Act, and Authorization under Hazardous & other Wastes Rules, 2016 from SPCB and industry shall not operate under any circumstances without valid consent orders.

4. The Unit shall submit actual performance assessment report of installed ZLD system & ETP including analysis of treated effluent by the same reputed Govt. Institute within 60 days from the date of resumption of the operations.
5. The Unit shall ensure uninterrupted data connectivity of OCEMS with CPCB server after commencement of operation of the plant.
6. The Unit shall ensure periodic calibration of the OCEMS analyzers as per Standard Operating Procedure/recommendations of the supplier and submit the calibration results to CPCB.

WHEREAS, the Unit vide letters dated 12.04.2023 and 06.06.2023 submitted its point-wise compliance status w.r.t. revocation direction issued by CPCB & requisite documents including deposition of Rs.48,00,000/- to CPCB including performance assessment report prepared by NIT Durgapur; and

WHEREAS, a team of officials from CPCB visited the said Distillery Unit on 12.12.2023 for the verification of complete compliance status including status of the ZLD condition; and

WHEREAS, it was reported that the Unit was bypassing the untreated effluent into the nearby drains & water body against the condition of ZLD and posing a grave injury to the surrounding environment & water body and it was also not expedient to provide any opportunity (to file objections) to the Unit before issuance of direction to the Unit; and

WHEREAS, based on the findings of inspection team, CPCB issued closure direction dated 04.01.2024 to M/s Globus Spirits Ltd. Kota, District-Purba Bardhaman, WB under section 5 of E(P) Act, 1986 and directed to close all the manufacturing operations of the Unit till compliance of directions; and

WHEREAS, the Unit vide its letters dated 24.01.2024, 15.02.2024, and 22.02.2024 submitted the duly notarised complete compliance status of the closure direction dated 04.01.2024 along with 'Self-Certificate' wherein Unit has declared to have close down all its manufacturing operations w.e.f. 19.01.2024; and

WHEREAS, CPCB constituted a three-member Committee vide office order dated 01.01.2024 having representative(s) from CPCB and MOEF&CC for examination and recommendation of the revocation of closure directions issued by CPCB; and

WHEREAS, the Committee in its meeting held on 05.04.2024 reviewed the compliance made by the Unit & based on the submitted supporting document, the Committee recommended that the Unit may be allowed to resume its manufacturing operation with certain conditions; and

WHEREAS, it has been observed that the Unit had been bypassing the untreated effluent posing a potential threat to the environment, it has

been decided by the Committee that the direction for levying Environmental Compensation for the same shall be initiated separately as per policy; and

WHEREAS, CPCB issued a revocation direction dated 24.04.2024 under section 5 of E(P) Act, 1986 to the Unit with following conditions:

1. The Unit shall be allowed to operate for three months from the date of commencement of the manufacturing operations.
2. The Unit shall submit the assessment report of the Remediation work completed with assessment of the soil quality, groundwater quality, sediments in the drain & De-moral canal etc. in the affected areas (due to illegal discharge) w.r.t. reference samples in unaffected areas prepared through a Govt. institute under the supervision of WB SPCB, within 90 days to CPCB. Further remediation work required, if any, be also suggested by such institute and the Unit shall carry out the same.
3. The Unit shall comply with the consent condition of the CTO issued by the WBPCB with respect to treatment and disposal of effluent.
4. The Unit shall strictly comply with ZLD conditions as per CTO obtained by the Unit.

WHEREAS, a team of officials from CPCB visited the said Distillery Unit on 04.07.2024 for the verification of complete compliance status including status of the ZLD condition and the salient findings and observations of the team are as follows:

1. On the day of the inspection both grain based units of capacity 120 KLD each were found operational.
2. For spent wash management in both grain based plants, the Unit has installed decanter, Multi Effect Evaporator of capacity 420 TPD (6 effect), dryer and Condensate Polishing Unit (CPU) for treatment of MEE condensate and other low strength effluent. All the ZLD systems were found operational during visit.
3. To treat the MEE Condensate and other low strength effluent, the Unit has 02 nos. of condensate polishing Unit. The CPU comprising of the following;

Equalization tank, Neutralization tank, Primary Lamella Clarifier, Buffer Tank, UASB Reactor, Aeration tank, Secondary Clarifier, flocculator, Tube settler Pressure sand filters, ACF

4. To meet the fresh water requirement, the Unit has installed 07 borewells within the premises. As per the consent daily allowable water consumption for domestic and industrial purpose is 1215 KLD.
5. As per the logbook data from April to July 2024, the Unit has abstracted average 1020.53 KLD fresh water i.e. Sp. Water consumption is 5.05 kl/kl of production.

6. The Unit has 02 Cogen boilers of 35 TPH and 40 TPH respectively. Coal and rice husk is used as fuel. 160 MT rice husk is used as fuel in 35 TPH boiler and 160MT coal and husk is used in 40 TPH boiler.

7. The Unit has installed cyclone and bag filters as air pollution Control devices.

8. **Observations w.r.t. affected location at MC3 Canal at Maro Village**

- Distillery sludge had been removed from the water channel and no foul smell of distillery was felt.
- The team interacted with villagers and they informed that the Unit had deployed man and machineries to clean the affected water body during Jan-Feb, 2024.
- As informed by the industry, the Unit had tied up with M/s West Bengal Waste Management Ltd to dispose the sludge/distillery residue in scientific manner from the affected drains.

9. **Observations w.r.t. affected location at De Moral canal connecting to MC3 canal:**

- No discharge/spillage of effluent was found inside and outside the plant premises. However, cleaning of deposited distillery residue in the bottom of the canal is suggested.
- Total 6 numbers of samples were collected during the visit.
- Analysis results indicate that De Moral Canal is not fully free from contamination in terms of BOD, however; BOD got reduced from 1892 mg/L (earlier inspection report) to 107 mg/L (about 94% reduction) after ceasing of illegal discharge and cleaning of canal.
- Analysis results of the samples collected from De Moral Canal showed pH- 7.73, Total Suspended Solids – 75 mg/l, TDS- 702 mg/l, COD – 176 mg/l and BOD – 107 mg/l indicate that the De Moral Canal is not fully free from contamination in terms of BOD.

10. Analysis results of the samples collected from storm water drain outside the plant premises showed pH- 7.71, Total Suspended Solids – 80 mg/l, TDS- 810 mg/l, COD – 160 mg/l and BOD – 47 mg/l.

11. Analysis results of the samples collected from inlet and outlet of CPU showed pH- 2.89 & 7.42, Total Suspended Solids <5 & 66mg/l, TDS- 96 & 650 mg/l, COD – 984 &176 mg/l and BOD 551 & 57 mg/l respectively.

12. It was observed by the CPCB team that the Unit was not discharging any effluent outside the industrial premises.

AND WHEREAS, based on the findings of the inspecting team following observations are made w.r.t the compliance of the CPCB directions dated 24.4.24:

1. The Unit has resumed its manufacturing operations since 26 April 2024 and has completed 131 days of operations till 03.09.2024.
2. The Unit has handed over their assessment report of the remediation work prepared by IIT Dhanbad to CPCB inspection team on 16 July 2024 i.e. after 82 days of resumption of operations.
3. IIT Dhanbad collected the samples and visited the affected areas (due to illegal discharge) on 27 June 2024 for assessment of the soil quality & groundwater quality, in the drain & De-moral canal etc. As per the report of IIT Dhanbad, the representative of West Bengal Pollution Control Board (WBPCB) was present during the sampling/visit.
4. IIT Dhanbad collected 3 nos. of soil samples from the affected area and 02 samples from the non-affected area. The team also collected 03 water samples, however it is not mentioned that whether the samples has been collected from the affected area or non-affected areas. Though, considering the Latitude & Longitude of the soil sampling locations the corresponding water sampling location of Khari Mata Mandir (having same co-ordinates) can be considered as a non-affected area. Thus, IIT Dhanbad collected 02 nos. of water samples from the affected area and 01 sample from the non-affected area.
5. The details of soil and water samples collected are as follows;

Soil sample

- a. Near the Khari Mata Mandir, non-affected area, Lat 23.2533, Long 87.3132)
- b. MC 3 Cannal, affected area Lat 23.2533, Long 87.3132)
- c. Near Maro Mandir, affected area, Lat 23.2533, Long 87.3132)
- d. Inside De-moral canal, affected area (Lat 23.2533, Long 87.3132)
- e. Outside Plant, non-affected area (Lat 23.2533, Long 87.3132)

Water samples

- a. Near the Khari Mata Mandir, Lat 23.2533, Long 87.3132)
 - b. Near Maro Mandir, Lat 23.2533, Long 87.3132)
 - c. Inside plant (Lat 23.2615, Long 87.3056)
7. As per the analysis results of soil samples collected from non-affected areas, pH is in the range of 6.90-7.10, Conductivity in the range of 97- 98 $\mu\text{s}/\text{cm}$, calcium in the range of 2176 - 2481mg/l and Zinc in the range of 34 - 38.49mg/l respectively. As per the analysis results of soil samples collected from affected areas, pH in the range of 6.90-7.10, Conductivity in the range of 100- 105 $\mu\text{s}/\text{cm}$, calcium in the range of 2346 - 2481mg/l and Zinc in the range of 37- 39 mg/l respectively. As evident from the analysis results of soil samples from affected and non-affected area there is no significant variation in the

- parameters. Therefore, no recommendation for improvement were suggested by IIT Dhanbad.
8. As per the analysis results of water samples collected from non-affected area has pH 6.90, Conductivity 51 $\mu\text{s}/\text{cm}$, Iron 0.03mg/l and Zinc 0.002 mg/l was observed. As per the analysis results of water samples collected from affected areas pH is in the range of 6.60-7.10, Conductivity in the range of 51-125 $\mu\text{s}/\text{cm}$, Iron 0.03mg/l and Zinc 0.001-0.02 mg/l respectively. As evident from the analysis results of water samples from affected and non-affected area there is no significant variation in the parameters. Therefore, no recommendation for improvement were suggested by IIT Dhanbad.
 9. As per the assessment report of the remediation work by IIT Dhanbad, soil and water samples were found within the permissible limits and there is no recommendation for improvement, however IIT Dhanbad has not collected any sediment samples from the affected /non-affected area.
 10. Samples collected by CPCB team from De Moral Canal showed reduction in BOD from 1892 mg/L (earlier inspection report) to 107 mg/L (about 94% reduction) which indicates improvements in the canal water quality.
 11. The Unit was found complying with the ZLD conditions as no industrial discharge inside and outside the premises was observed by the team. However, cleaning of deposited distillery residue in the bottom of the De-Moral canal is suggested.

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

NOW, THEREFORE, in view of the above observations and exercising the powers delegated to the Chairman, Central Pollution Control Board (CPCB) under section 5 of the Environment (Protection) Act, 1986, the Unit **M/s Globus Spirits Ltd. (Distillery Unit)**, Plot No. B-7, Panagarh Industrial Park, P.O-Kota, Purba Bardhaman, WB is hereby allowed to continue its manufacturing operations subject to following conditions:

1. The unit shall carry out sediment analysis of the deposited distillery residue in the bottom of the De Moral canal and shall ensure removal of the same, as applicable. Thereafter, work completion report duly verified by WB-SPCB is to be submitted.

- II. The Unit shall submit the geotagged photos regarding installation of two PTZ cameras covering the boundaries (South and South East Wall).
- III. The Unit shall submit the compliance within 3 months' time.

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

13²¹ 17/9
(TANMAY KUMAR)
CHAIRMAN

Copy to:

1. **The Member Secretary,** : For ensuring compliance of the above said directions please.
West Bengal Pollution Control Board,
Paribesh Bhawan,
10A, Block-LA, Sector-III
Bidhannagar, Kolkata-700 106
2. **The District Magistrate** : For information and necessary action please
New Administrative Building
(3rd Floor), Collectorate Building
District: Purba Bardhaman,
Pin-713101
3. **Additional Secretary, (CP Division),** : For information please.
Ministry of Environment,
Forests & CC
Prithvi Block, Indira
Paryavaran Bhawan,
Jorbagh Road,
New Delhi - 110 003
4. **The Director, (Distribution)** : With a request to restore the power supply to the Unit please.
West Bengal State Electricity Distribution Company Limited
(WBSEDCL), Administrative Building, 1st floor, Power House, Bardhaman, District - Purba Bardhaman Pin-713101.

Tanmay Kumar

5. **The Regional Director,**
Regional Directorate,
Central Pollution Control
Board, 1582, Rajdanga Main
Road, Kolkata 700107

: For information please

6. The Div. Head, IT Division,
CPCB Delhi

: For uploading in CPCB
website
please.



(BHARAT KUMAR SHARMA)
MEMBER SECRETARY