



**MAHARASHTRA POLLUTION CONTROL BOARD**

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Kalpataru Point, 3rd & 4th floor, Sion- Matunga  
Scheme Road No. 8, Opp. Cine Planet Cinema, Near  
Sion Circle, Sion (E),  
Mumbai - 400 022

Consent order No: Format1.0/BO/ROHQ/CC- 1910600994

Date: 22/10/2019

To,  
M/s. Ganesh Benzoplast Ltd,  
Plot No. 7 Bulk Road, Opp. P.U. Bldg, JNPT  
Nava Sheva, Uran, Dist:- Raigad.

Subject: Consent to Establish (Expansion) for Tank Farm Activity in RED category.

Ref: 1) Existing consent to operate granted by Board vide No Format1.0/BO/CC/ROHQ/EIC-NM-5650-15/CR/CC-11439, dated 28.8.2015 valid up to 30.1.2020.

Your application: MPCB-CONSENT-0000078391 dated 12.8.2019.

For: Consent to Establish (Expansion).

Under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous & Other Waste (M, & T M) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The Consent to Establish is granted for a period up to Commissioning of the project of 5 years whichever is earlier.
2. The proposed capital investment of the industry is Rs. 2.98 Crs. (As per CA certificate submitted by industry, whereas CI of existing project is Rs. 14.77 crs. as per C to O )
3. The Consent is valid for the handling and storage of materials -


| Sr. No. | Tank No. | Capacity in KL (Tank wise) | Total Capacity at a time in KL |
|---------|----------|----------------------------|--------------------------------|
| 1.      | T-118    | 1000                       | 5300                           |
| 2.      | T-119    | 1300                       |                                |
| 3.      | T-136    | 1600                       |                                |
| 4.      | T-138    | 1400                       |                                |

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

| Sr. No. | Description       | Permitted quantity of discharge (CMD) | Standards to be achieved           | Disposal |
|---------|-------------------|---------------------------------------|------------------------------------|----------|
| 1.      | Trade effluent    | Nil                                   | As per existing consent to operate | NA       |
| 2.      | Domestic effluent | Nil                                   |                                    | NA       |

5. Conditions under Air (P& CP) Act, 1981 for air emissions: Nil
6. Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste: Nil
7. Conditions under Non Hazardous Waste and disposal of non hazardous waste: Nil
8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. Project Proponent shall comply with the provisions of MSIHC Rules 1989 and amendment thereto.
11. Project Proponent shall mark serial nos. of all tanks to be used and shall display name of the material and its quantity on regular basis.
12. This consent is issued pursuant to the MoEF & CC notification dated 13.6.2019.
13. Project Proponent shall comply with the provisions of Coastal Regulation Zone notification, 2011 and shall obtain necessary permission / clarification, if required, from the competent authority under Coastal Regulation Zone notification 2011.

For and on behalf of the  
Maharashtra Pollution Control Board

  
(N. N. Gurav)  
Regional Officer (HQ)

Received Consent fee of -

| Sr. No. | Amount (Rs.) | Transaction No. | Date      | Drawn On  |
|---------|--------------|-----------------|-----------|-----------|
| 1.      | 15,000/-     | TXN1908000736   | 13.8.2019 | E-Payment |

Copy to:

1. Regional Officer -Navi Mumbai and Sub-Regional Officer-MPCB, Talaja. They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule-I – As per Existing consent

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have erected following stack (s) and to observe the following fuel pattern-

| Sr. No. | Stack Attached To       | APC System | Height in Mtrs. | Type of Fuel | Quantity & UoM |
|---------|-------------------------|------------|-----------------|--------------|----------------|
| 1.      | As per existing consent | -          | -               | -            | -              |

\*Above roof of the building in which it is installed.

\* D.G. Set shall be operate only in case of power failure

2. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

|                    |               |                          |
|--------------------|---------------|--------------------------|
| Particulate matter | Not to exceed | 150 mg/Nm <sup>3</sup> . |
|--------------------|---------------|--------------------------|

3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. Ambient noise levels should conform to prescribed standards both during day and night. The ambient air and noise quality should be closely monitored during construction phase

The industry shall comply with the CPCB conditions as below.

1. Proper design & operational aspect of the system shall be provided to ensure that soil & ground water are not contaminated during the process.
2. Monitoring of ground water (through pezometric wells) & soil at appropriate places at regular places at regular interval shall be carried out to ascertain that these are not getting polluted while the bio-remediation process is on.
3. Proper disposal of treated sludge after conducting test for residual hydrocarbon and metal shall be carried out.
4. If the bio-remediation process fails, you will have no option but to send the waste to CHWTSDF
5. Regular sample report/progress shall be submitted to our Regional office and sub Regional office,



**Storage of Volatile Liquids: General Petroleum Products:-**

- (i) Storage tanks with capacity between 4 to 75m<sup>3</sup> and total vapour Pressure (TVP) of more than 10 kpa should have Fixed Roof Tank (FRT) with pressure valve vent.
- (ii) Storage tank with the capacity between 75 to 500 m<sup>3</sup> and total vapour Pressure (TVP) of 10 to 76 kpa should have Internal Floating Root Tank (IFRT) of External Floating Root Tank (EFRT) or Fixed Roof Tank with vapour control or vapour balancing system.
- (iii) Storage tanks with the capacity of more than 500 m<sup>3</sup> and total vapour Pressure (TVP) of 10 to 76 kpa should have Internal Floating Roof Tank or External Floating Roof Tank or Fixed Roof Tank with vapour control system.
- (iv) The tanks with the capacity of more than 75 M<sup>3</sup> and total vapour Pressure (TVP) of more than 76 kpa should have Fixed Root Tank with vapour control system.
- (v) Requirement for seals in Floating Roof Tanks:
  - (i) a. IFRT and EFRT shall be provided with double seals with minimum vapour recovery of 96%.
  - b. Primary seal shall be liquid or shoe mounted for EFRT and vapour mounted for IFRT. Maximum seal gap width will be 4 cm and maximum gap area will be 200 cm<sup>2</sup>/m of tank diameter.
  - c. Secondary seal shall be rim mounted. Maximum seal gap width will be 1.3 cm and maximum gap area will be 20 cm<sup>2</sup>/m of tank diameter.
  - d. Material of seal and construction shall ensure high performance and durability.
  - (ii) Fixed Roof Tanks shall have vapour control efficiency of 95% and vapour balancing efficiency of 90%
- (a) Inspection and maintenance of storage tanks shall be carried out under strict control. For the inspection, API RP 575 may be adopted, In-service inspection with regard seal gap should be carried out once in every six months and repair to be implemented in short time. In future, possibility of on-stream repair of both seals shall be examined.

| <b>Emission control for Road tank truck/Rail tank wagon loading</b>                                  |                                  |           |
|--|----------------------------------|-----------|
| <b>Loading of Volatile Products</b>  | Gasoline and Naphtha:            |           |
|  | (i) VOC reduction, %             | (i) 99.5  |
|  | (ii) Emission, gm/m <sup>3</sup> | (ii) 5    |
|  | Benzene:                         |           |
|  | (i) VOC reduction, %             | (i) 99.99 |
|  | (ii) Emission, mg/m <sup>3</sup> | (ii) 20   |
|  | Toluene/Xylene:                  |           |
|  | (i) VOC reduction, %             | (i) 99.98 |
|  | (ii) Emission, mg/m <sup>3</sup> | (ii) 150  |
| <b>Note:</b>   |                                  |           |
| (i) It shall be applicable for Gasoline, Naphtha, Benzene, Toluene and Xylene loading.               |                                  |           |
| (ii) Road tank Truck shall have Bottom loading and Roll tank wagon shall have Top submerged loading. |                                  |           |
| (iii) Annual leak testing for vapour collection shall be done.                                       |                                  |           |

Schedule-III - NA

Schedule-IV

General Conditions:

The following general conditions shall apply as per the type of the industry.

- 1) The industry shall not exceed the threshold limits/quantity prescribed/laid down under the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 for which an Environment Clearance is required at any time and shall comply with other Environmental norms.
- 2) The industry shall strictly adhere to the provision of MSIHC Rules 1989 & EIA notification-2006.
- 3) Industry shall implement the notification issued by Ministry of Environment & Forest, Govt. of India. Dated 18<sup>th</sup> March 2008 for storage of volatile liquids.
- 4) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped
- 5) The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and environmental protection Act 1986 and Solid Waste Management Rules, 2016 and E-Waste (Management) Rules, 2016.
- 6) The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 7) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 8) The applicant shall install a separate meter showing the consumption of energy for operation of sewage treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 9) Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
  - d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - f) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.



- g) D.G. Set shall be operated only in case of power failure.
- h) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- i) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 10) The industry should not cause any nuisance in surrounding area.
- 11) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 12) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 13) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 14) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 15) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 16) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 17) The treated sewage shall be disinfected using suitable disinfection method.
- 18) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 19) The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30<sup>th</sup> June of every year.
- 20) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**

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