

Maharashtra Pollution Control Board
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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-2010001010

Date: 27/10/2020

To,
M/s. Ganesh Benzoplast Ltd,
Plot No.7, JNPT Nava Sheva,
Uran, Dist:- Raigad.

Subject: Renewal of Consent to Operate for storage and handling of chemicals/products in RED category.

- Ref :1) Earlier 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 31/1/2020.
2) Minutes of Consent Committee meeting held on 7.8.2020.

Your application: MPCB-CONSENT-0000086841 dated 13.1.2020.

For: Renewal of Consent to Operate.
Under Section 26 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 Operate is granted for a period up to :- 31.1.2025.
2. The proposed capital investment of the industry is Rs. 48.9 Crs. (As per CA certificate submitted by industry)
3. The Consent is valid for total 41 nos. of tanks for storage and handling of Chemicals/ Products- The total capacity is 1,73,819 KL at a time
i) Tanks located in CRZ area

| Sr. No. | Tank No. | Max Capacity at a time in KL |
|---------|----------|------------------------------|
| 1. | T-115 | 1000 |
| 2. | T-116 | 1000 |
| 3. | T-118 | 1000 |
| 4. | T-119 | 500 |
| 5. | T-120 | 500 |
| 6. | T-121 | 500 |
| 7. | T-122 | 500 |
| 8. | T-123 | 500 |
| 9. | T-135 | 5000 |
| 10. | T-136 | 5000 |
| 11. | T-137 | 5000 |
| 12. | T-138 | 5000 |
| 13. | T-139 | 12000 |
| 14. | T-141 | 12000 |
| 15. | T-140 A | 9741.088 |
| 16. | T-140 B | 8554.291 |

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ii) Tanks located in Non-CRZ area

| Sr. No. | Tank No. | Max Capacity at a time in KL |
|---------|----------|------------------------------|
| 1. | T-101 | 10000 |
| 2. | T-102 | 10000 |
| 3. | T-103 | 10000 |
| 4. | T-104 | 5000 |
| 5. | T-105 | 5000 |
| 6. | T-106 | 5000 |
| 7. | T-107 | 5000 |
| 8. | T-108 | 2400 |
| 9. | T-109 | 2400 |
| 10. | T-110 | 2400 |
| 11. | T-111 | 2400 |
| 12. | T-112 | 1000 |
| 13. | T-113 | 1000 |
| 14. | T-114 | 1000 |
| 15. | T-117 | 1000 |
| 16. | T-128 | 2400 |
| 17. | T-129 | 2400 |
| 18. | T-130 | 2400 |
| 19. | T-131 | 2400 |
| 20. | T-132 | 5000 |
| 21. | T-133 | 5000 |
| 22. | T-134 | 5000 |
| 23. | T-140-C | 7628.5 |
| 24. | T-140-D | 4147.652 |
| 25. | T-140-E | 6047.469 |

- The Chemicals /Products permitted in CRZ tanks are as per CRZ notification, 2011 and amendment from time to time.
- Non- CRZ tanks are allowed to store all kind of chemical/products.

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 | 3.0 | As per schedule -I | After primary treatment, Industrial effluent sent to CETP for further treatment. |
| 2. | Domestic effluent | 3.0 | As per schedule -I | On land for gardening |

5. Conditions under Air (P& CP) Act, 1981 for air emissions:

| Sr. no. | Description of stack / source | Number of Stack | Standards to be achieved |
|---------|-------------------------------|-----------------|--------------------------|
| 1. | DG set 160 KVA | 1 | As per Schedule -II |

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6. Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste:


(i) The Industry shall handle hazardous wastes as specified below.

| Sr. No. | Category | Type Of Waste | Quantity | UOM | Disposal |
|---------|----------|---|----------|-------|----------|
| 1. | 3.3 | Sludge and filters contaminated with oil (Tank Bottom sludge) | 500 | Lit/A | CHWTSDF |
| 2. | 5.1 | Used or spent oil | 1100 | Lit/A | CHWTSDF |
| 3. | 35.3 | Chemical sludge from waste water treatment | 2 | MT/A | CHWTSDF |

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. As per decision of Consent Committee meeting dated 7.8.2020, Applicant shall apply separately for Consent to Operate (expansion) (i.e. Consent to Establish (expansion) dated 22.10.2019 and amendment dated 19.11.2019) once they have obtained CRZ demarcation report.

For and on behalf of the
Maharashtra Pollution Control Board


(Ashok A. Shingare, IAS)
Member Secretary

Received Consent fee of -

| Sr. No. | Amount (Rs.) | UTR. No. | Date | Drawn On |
|---------|--------------|---------------|------------|-----------------------|
| 1. | 375000/- | TXN2001003185 | 31-01-2020 | Online Payment |
| 2. | 75000/- | TXN2001001322 | 14-01-2020 | Central Bank of India |

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

Terms & conditions for compliance of Water Pollution Control:

- 1) A] **Trade Effluent Treatment:** You have provided comprehensive treatment system consisting of primary/ secondary and/or tertiary treatment as is warranted with reference to influent quality and you shall operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

| Sr No. | Parameters | Standards prescribed by Board |
|--------|--------------------|---|
| | | Limiting Concentration in mg/l, except for pH |
| 01 | pH | 5.5 to 9.0 |
| 02 | Oil & Grease | 10 |
| 03 | BOD (3 days 27oC) | 100 |
| 05 | Suspended Solids | 100 |
| 06 | COD | 250 |
| 07 | TDS | 2100 |
| 08 | Chlorides | 600 |
| 09 | Sulphates | 1000 |

B] **Trade Effluent Disposal:** After primary treatment, you shall send the Industrial effluent to CETP for further treatment.

- 2) A] As per your consent application, you have provided septic tank & Soak pit for disposal of domestic effluent
B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

| | | | |
|----|-------------------|---------------|-----------|
| i | Suspended Solids. | Not to exceed | 100 mg/l. |
| ii | BOD 3 days 27oC. | Not to exceed | 100 mg/l. |

- C] The treated sewage shall be disposed on land for gardening.
- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or/and extension or addition thereto.
- 4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

Water Consumption is as below.

| Sr. no. | Purpose for water consumed | Water consumption quantity (CMD) |
|---------|--|----------------------------------|
| 1. | Industrial Cooling, spraying in mine pits or boiler feed | Nil |
| 2. | Domestic purpose | 6 |
| 3. | Processing whereby water gets polluted & pollutants are easily biodegradable | Nil |
| 4. | Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic | Nil |
| 5 | Agriculture /gardening | 3 |

- 5) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.

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. | DG Set (160 KVA) | Acoustic Enclosure | 4.0* | HSD | 15 Lit/Hr |

*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:

| | | |
|---|---------------|--------------------------------------|
| MA, PA, Phenol | Not to exceed | 20 mg/Nm ³ . (dry basis) |
| Ethyl benzene (EB), Styrene, Toulene, Xylene, Aromatics, EG, PG | Not to exceed | 100 mg/Nm ³ . (dry basis) |
| Non- methane HC (paraffin), Acetone, olefins | Not to exceed | 150 mg/Nm ³ . (dry basis) |

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
6. 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 75m³ 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 m³ and total vapour Pressure (TVP) of 10 to 76 kpa should have Internal Floating Root Tank (IFRT) or 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 m³ 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 M³ 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 cm²/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 cm²/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.

| Emission control for Road tank truck/Rail tank wagon loading | | |
|--|----------------------------------|-----------|
| Loading of Volatile Products | Gasoline and Naphtha: | |
| | (i) VOC reduction, % | (i) 99.5 |
| | (ii) Emission, gm/m ³ | (ii) 5 |
| | Benzene: | |
| | (i) VOC reduction, % | (i) 99.99 |
| | (ii) Emission, mg/m ³ | (ii) 20 |
| | Toluene/Xylene: | |
| | (i) VOC reduction, % | (i) 99.98 |
| | (ii) Emission, mg/m ³ | (ii) 150 |
| Note: | | |
| (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 18th 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 30th June of every year.
- 20) The project authority shall prepare Onsite-Offsite emergency preparedness plan based on detailed risk analysis.
- 21) **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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[Handwritten Signature]