

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 2nd - 4th Fl.

Opp. Cine Planet Cinema,

Near Sion Circle, Sion (E)

Mumbai-400 022.

MSIHC/TN-3112/11

RED/M.S.I

Consent No: BO/RO(HQ)/CO/ CAC - 593

10/09/2012

Date: /08/2012

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 / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management & Handling and Transboundary) Rules 2008.[To be referred as Water Act, Air Act and HW (M,H&T) Rules respectively].

CONSENT is hereby granted to,

M/s Ganesh Benzoplast Ltd.
Plot No.7, JNPT, Nhava Sheva,
Navi Mumbai-400 707

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M,H&T) Rules subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to operate is granted for a period up to 31/01/2015
2. The consent is valid for transport of Acetic Acid through 16' Pipeline of M/s Deepak Fertilizers and Petrochemicals Ltd. and for Storage and Handling of Chemicals/Products-137,700 KL at a time.

(i) CRZ Tanks

Sr. No	Tank No.	Maximum Capacity at a time in M ³
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
Total		49500

(ii) Non-CRZ Tanks

Sr. No	Tank No.	Maximum Capacity at a time in M ³
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
17	T-117	1000
24	T-128	2400
25	T-129	2400
26	T-130	2400
27	T-131	2400
28	T-132	5000
29	T-133	5000
30	T-134	5000
Total		88200

* The Chemicals/products permitted in CRZ tanks are as per CRZ Notification, 1991, and amended from time to time

* Non-CRZ tanks are allowed to store all kinds of chemicals/products

3. CONDITIONS UNDER WATER ACT :

- (i) The quantity of trade effluent from the factory should not exceed **3.0 M³ in every six months.**
- (ii) The daily quantity of sewage effluent from the factory should not exceed **3.0 M³.**
- (iii) **Trade Effluent:**

Treatment: The applicant should provide comprehensive treatment system consisting of primary/secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

1. pH	Between	5.5 to 9.0
2. S. S.	Not to exceed	100 mg/l.
3. BOD 3 days 27 Deg. C	Not to exceed	100 mg/l.
4. COD	Not to exceed	250 mg/l.
5. O & G	Not to exceed	10 mg/l.
6. TDS	Not to exceed	2100 mg/l.
7. Chlorides	Not to exceed	600 mg/l.
8. Sulphates	Not to exceed	1000 mg/l.

(iv) **Trade Effluent Disposal:** The treated trade effluent should be recycled completely and or used on land for gardening, plantation within own premises. No effluent should be discharged out from the factory premises.

(v) **Sewage Effluent Treatment:** The applicant should provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards:

- (1) Suspended Solids Not to exceed 100 mg/l.
- (2) BOD 3 days 27⁰ C. Not to exceed 100 mg/l.

(vi) **Sewage Effluent Disposal:** The treated sewage effluent should be soaked into soak pit which should be got cleaned periodically.

(vii) **Non-Hazardous Solid Wastes : NIL**

(viii) The industry should monitor effluent quality regularly.

4. The applicant should comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and Rules thereunder:

i	Domestic	6.0 CMD
ii	Industrial Processing	-- CMD
iii	Industrial Cooling / Boiler	-- CMD
iv	Agriculture/Gardening	3.0 CM/six months

The applicant should regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act

5. **CONDITIONS UNDER AIR ACT:**

(i) The applicant should install a comprehensive treatment and control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the within the prescribed limits

Control Equipment: Air pollution control equipments of sufficient capacity should be provided to limit the emissions if any. Industry should make necessary provision to arrest the emission of volatile hydrocarbons to environment by the way of installing volatile matter absorption system.

Standards for Emissions of Air Pollutants :

SPM/TPM Not to Exceed 150 Mg/Nm³
 SO₂ (Activity) Not to Exceed 50 PPM

(ii) The applicant should observe the following fuel pattern :-

Sr. No.	Fuel Type	Quantity
1.	LDO	15 Ltrs./day.

- (iii) The applicant should erect the chimney(s) of the following specifications :-

Sr. No. Chimney attached to Height in mt.

1. D. G. Set (KVA) 2 mtrs. above the roof

Conditions for D.G. Set :-

1. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 2. 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) should also be provided. The measurement of insertion loss will be done at different points at 0.5 metres from acoustic enclosure/room and then average.
 3. The industry should 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.
 4. 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.
 5. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 6. 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. [7] D.G. Set should be operated only in case of power failure. [8] The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- (iv) The industry should take adequate measures for control for 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 p.m.
- (v) **Other Conditions:**
- 1] The products /Chemicals shall be properly stored in tanks which shall be absolutely leak proof. At no stage of handling, there shall be leakage or spillage.
 - 2] The necessary arrangement for collection & treatment of leachate / tank bottom generated underneath the storage tank shall be made along with provisions of Oil skimmers & necessary treatment arrangements for the same.
 - 3] High level alarm synchronized with cut off capacity shall be provided to the storage tanks.
 - 4] The storage tanks shall be kept in good conditions all the year round with adequate maintenance. The hazardous waste generated in handling, storage and transport shall be disposed in accordance with Hazardous waste

(Management & Handling) Rules 1989 & related amendments made therein.

- 5] The project authority shall prepare On-site & Off-site emergency preparedness plan based on detailed risk analysis.
- 6] The internal roads shall be cement concrete and shall be maintained with adequate green belt.
- 7] The working area shall be impermeable & covered with roof / shed.
- 8] Control Equipment: Industry shall make necessary provisions to arrest the emissions of volatile hydrocarbons to Environment by the way of volatile matter absorption system to the tank vent and monitoring arrangement.
- 9] The Industry shall regularly monitor ambient air quality and the emission of Volatile Organic Compound particularly Benzene, Toluene and Xylene from MoEf approved laboratory.
- 10] Monitoring of ground water (through Piezometric wells) and soil at appropriate places at regular interval (every 3 months) should be carried out to ascertain that these are not getting polluted while operating the booster station.
- 11] The industry should not cause any nuisance in surrounding area.

6. CONDITIONS UNDER HW (M&H) RULES, 1989 & AMENDMENT RULES:

The applicant should handle hazardous wastes as specified below:

Sr. No.	Item No (Sch-I)	Type of Waste	Quantity	Disposal
1.	3.3	Tank bottom sludge	500 Lits/Y.	Sale to authorized preprocessor
2.	5.1	Used/Spent Oil	1100 Ltrs/Y.	
3.	34.3	ETP Sludge	2 MT/A	CHWTSDF

7. 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 should 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 storage process connected to it should be stopped.
8. You shall mark serial nos on all 36 storage tanks to be used. The remaining tanks should be marked 'X' sign in 'RED' and written a 'Tank not in use'. You shall display name of the material and its quantity in the tank on regular basis.
9. This is issued subject to the compliance of the conditions stipulated in the CRZ and EIA notification.
10. The industry has obtained CRZ clearances vide No. J-17011/10/03-IA.III dated 16/12/1995
11. This consent should not be construed as exemption from obtaining necessary NOC From any other Government agencies as may deem fit necessary.
12. The consent is issued with overriding effect to all earlier consent granted for plot No. 7.

13. You shall implement the notification issued by Ministry of Environment & Forests, Govt. of India dated 18th march, 2008 for storage of volatile liquids.
14. This consent is issued as per the decision of the Consent Appraisal Committee of the Board in its meeting held on 29th May 2012.
15. The consent is issued with the overriding effect to the earlier consent issued vide No.BO/ROP/RO(HQ)/10/TF-108 dt. 25/11/2010.
16. Capital investment of the industry is Rs. 8.02 Crores.


(Rajeev Kumar Mital, IAS)
Member Secretary

To,
M/s Ganesh Benzoplast Ltd.
Plot No.7, JNPT, Nhava Sheva,
Navi Mumbai-400 707

Copy to:

- a. RO- Thane /SRO-Thane-I
- b. CAO/Cess Branch/Master File

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	2500/-	833720	13 Jun 2012	SBI Bank
2	1,00,000/-	411012	24 Oct 2009	HDFC Bank