

MAHARASHTRA POLLUTION CONTROL BOARD



Phone : 4010437/4020781
/4037124/4035273
Fax : 24044532/4024068
/4023516
Email : enquiry@mpcb.gov.in

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

Mumbai - 400 022

Red/S.S.I
EIC No: TN-3531-12

Consent No: BO/MPCB/RO(HQ)/Thane/COR/B-CC-279 Date: 03/04/2012

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 & Transboundary Movement) Rules 2008

[To be referred as Water Act, Air Act and HW (M&H) Rules respectively].

CONSENT is hereby granted to

Executive Engineer (Env.)
MIDC Secured Engineer Landfill Site
Plot No. O-S-10,11,12, MIDC Tarapur Tal. Palghar, Dist. Thane

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW (M&H) Rules and amendments thereto 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: 31/08/2015
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Secured Engineered Landfill	15000000	MT

Creation of one time Secured Engineered Landfill for disposal of Hazardous Waste and its post closure, operation & maintenance.

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of leachate & laboratory waste from the secured engineered landfill shall not exceed 1.00 M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 0.8M³.

(iii) Trade Effluent :

Treatment: The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to quality of leachates generating from Secured Engineered Landfill & effluent generated from laboratory 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	Temperature	Should not exceed 5 c above the ambient temperature of the receiving body	
3	Oil & Grease	Not to exceed	10 mg/l
4	Suspended Solids	Not to exceed	100 mg/l.
5	Cyanide (as 'CN')	Not to exceed	0.2 mg/l.
6	Ammonical nitrogen (as N)	Not to exceed	50 mg/l.
7	Total residual chlorine (as Cl ₂)	Not to exceed	1.0 mg/l.
8	Cadmium (as Cd)	Not to exceed	2.0 mg/l
9	Nickel (as Ni)	Not to exceed	3.0 mg/l
10	Zinc (as Zn)	Not to exceed	5.0 mg/l
11	Chromium as Cr Hexavalent Total	Not to exceed	0.1 mg/l.
12	Copper (as Cu)	Not to exceed	3.0 mg/l.
13	Lead (as Pb)	Not to exceed	0.1 mg/l.
14	Iron (as Fe)	Not to exceed	3.0 mg/l.
15	Total metal	Not to exceed	10.0 mg/l.

- (iv) **Trade Effluent Disposal:** The Leachate & effluent generated from laboratory shall be collected & disposed off in to CETP after treatment as above.
- (v) **Sewage Effluent Treatment:** The applicant shall 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 27o C. | Not to exceed | 100 | mg/l. |
- (vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.
- (vii) **Non-Hazardous Solid Wastes:** Nil
- (viii) **Other Conditions:** Industry should monitor effluent quality regularly.

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and amendment Rules, 2003 there under

The daily water consumption for the following categories is as under:

- | | | |
|---|-----|----------|
| (i) Domestic purpose | ... | 0.00 CMD |
| (ii) Water gets Polluted & Pollutants are Biodegradable | ... | 0.00 CMD |
| (iii) Water gets Polluted, Pollutants | | |

- are not Biodegradable & Toxic ... 10.00 CMD
- (iv) Industrial Cooling, spraying
in mine pits or boiler feed ... 0.00CMD

The applicant shall 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 shall regularly monitor the Ambient Air Quality & level of pollutants by every quarter for following parameter:

i) SPM/TPM	Not to exceed	150	mg/Nm ³
ii) NOx	Not to exceed	120	mg/Nm ³
iii) SO ₂	Not to exceed	120	mg/Nm ³

(vi) **Other Conditions:**

- 1) The industry should not cause any nuisance in surrounding area.
- 2) The industry should monitor stack emissions and ambient air quality Regularly.

6. Other Conditions:

- a. After closure of the landfill, the owner /operator of the landfill shall maintain the integrity of the final cover systems including making repair, as necessary, to rectify the settlement, subsidence or erosion of the cover.
- b. After Closure of the landfill, the owner / operator shall continue to operate all leachate, gas & surface water management systems as well as continue environmental monitoring of the landfill for period of 30year or until such time that harmful leachate is not produced for 5 continuous years.
- c. If after a few years of closure, the leachate is observed to meet all discharge standards, the same shall be discharged directly to CETP.
- d. The landfill shall be abandoned after 30 years of closure, if concentrations of contaminants in all liquid & gaseous emissions from landfill are observed to below prescribed limits. However, if the emissions continue to be hazardous, the landfill management strategy shall have to be evolved for future years.
- e. You shall setup pizometric wells around TSDF & both on downstream side and upstream side of the groundwater flow of the TSDF at a distance from 50 meters to 500 meters of required depth. You shall monitor the water quality in these pizometric wells regularly with frequency of three months. In future, if required or as per the instructions of MPC Board you shall provide additional pizometric wells at appropriate locations.
- f. You shall comply with all conditions prescribed by CPCB in the manual for maintenance of landfill site of TSDF & amendments thereof (Manual no. Hazardous Waste Management Series HAZWAMS /17/2000-01) and report shall be submitted to MPCB & CPCB regularly.
- g. The Board Officers/CPCB officers will visit as & when required & monitor the ground water, monitoring wells, gases emission, leachates etc.
- h. The costs of all samples carried out by MPCB/CPCB as the random testing /checking shall be borne by the owner / operator.

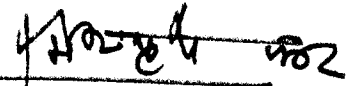
- i. The owner /operator shall provide a copy of the environmental monitoring record to the MPCB once a year.
- j. The following components of closed landfill shall be inspected visually after landfill closure to confirm that all functional elements are working satisfactory & inspection report shall be recorded.
 - a) Cover System : The final cover is inspected 2 to 4 times in a year (a) to check that vegetation growth is occurring satisfactory & that plants are not showing stunted growth (b) to detect any erosion gullies have been formed thereby exposing the barrier layers (c) to earmark depressions that may have developed with time & (d) to identify ponding of water on landfill cover. At least one inspection shall carry out during or immediately after the peak of monsoon season.
 - b) Surface water Drainage System: The surface water drainage system is also inspected 2 to 4 times a year (a) to identify cracks in drains due to settlements (b) to delineate clogged drains requiring immediate cleanup & (c) to study the level of deposited soil in the storm water basin & initiate excavation measures. Broken pipes and extensively cracked drains may require replacement after filling soil beneath them to establish slopes for gravity flow.
 - c) Gas & Leachate Management System:- A weekly operating record of leachate & gas management systems shall be kept in the post closure period. Periodic inspection of the leachate & gas collection system (2 to 4 times in a year) is undertaken to identify broken pipes leaking gas (if any).
7. You shall monitor the environmental parameters 4 times in a year & report shall be submitted to MPCB.
8. No New Hazardous Waste shall be added / dumped in this Secured Landfill (SLF) area.
9. 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.
10. The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be submitted to this office & concerned Regional Office/ Sub Regional Office.
11. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (Management & Handling) Rules, 1989 as amended on 2003 and shown & submitted to the Board as & when asked for.

12. Industry shall comply with following additional conditions:

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. Solid waste – 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 to dumping ground.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- v. The applicant shall not change or alter 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.
- vi. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- x. The applicant shall install a separate electric meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- xi. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection System.
- xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

13. The Capital investment of the industry is Rs. 5.08 Crs.

14. This is issued subject to the decision taken in the 20th Consent Committee Meeting of the MPC Board held on dt: 14/03/2012


(Milind Mhaiskar, IAS)
Member Secretary

To,
Executive Engineer (Env)
MIDC Secured Engineer Landfill Site
Plot No. O-S-10,11,12, MIDC Tarapur, Tal. Palghar, Dist. Thane

Copy forwarded with compliments to :

- 1) Regional Officer, MPCB, Thane
- 2) Sub-Regional Officer, Tarapur-I, MPC Board
- 3) Chief Accounts Officer, MPCB, Mumbai.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	100000	025769	27 Jul 2011	Bank of Maharashtra