

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Consent order No: - BO/JD (WPC)/RO-TN/CC/CAC- 2192

Date: 07/03/2014

To,  
M/s. Thane Municipal Corporation,  
Dr. Almeda Road, Pachpakahadi Road,  
Thane.

Subject: Consent to Establish for Kalwa STP (100 MLD) and Mumbra STP (32 MLD)

- Ref : 1. Minutes of Consent Appraisal Committee meeting held on 12.03.2013.  
2. Minutes of Consent Appraisal Committee meeting held on 26.08.2013.

Your application forwarded by SRO dated: 24.12.2010.

For: Grant of consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II & III annexed to this order:

1. The consent to Establish is granted for the period up to commissioning of the plant or 5 years whichever is earlier.
2. The consent is granted for collection, treatment and disposal of domestic effluent generated from your local body.
3. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. No.	Description	Permitted quantity of discharge (MLD)	Standards to be achieved	Disposal
1	Domestic Effluent	132	As per schedule - I	Thane Creek & Ulhas Creek
2	Trade effluent	Nil	N.A.	N. A.

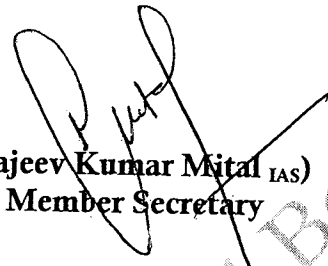
4. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved
-	-	-	-

5. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.

6. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
7. You shall comply with the provisions of CRZ notifications and RRZ Policy 2009.

For and on behalf of the  
Maharashtra Pollution Control Board

  
(Rajeev Kumar Mital IAS)  
Member Secretary

Received Consent fee of -

Sr. No.	Amount (₹)	DD. No.	Date	Drawn On
1.	6,60,000/-	293074	18.07.2013	Bank of Maharashtra

\* Consent fees of ₹ 1,00,000/- from the above submitted fees of ₹ 6,60,000/- vide DD No. 293074 dt. 18.07.2013 drawn on Bank of Maharashtra is considered for this consent to establish for Kalwa and Mumbra STP and remaining amount is adjusted in consent to operate for STP at Kopri.

Copy to: Regional Officer Thane and Sub-Regional Officer-Thane-I, MPCB. They are directed to ensure the compliance of the consent conditions.

1. Chief Accounts Officer, MPCB, Mumbai.
2. CAC desk- for record & website updation purposes.

### Schedule-I

#### Terms & conditions for compliance of Water Pollution Control

- 1) A] As per your application, the Sewage Treatment Plant (STP) with the design capacity are as under

Sr. No.	Name of STP	Quantity of effluent MLD
1	Kalwa STP	100
2	Mumbra STP	32
	<b>Total</b>	<b>132</b>

- B] The Applicant shall operate the Sewage treatment plant (STP) to treat the effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Standards prescribed by Board (If any)
	Compulsory Parameters	Limiting Concentration in mg/l, except for pH
1.	pH	6.5 to 8.5
2.	Oil & Grease	Not to exceed 10
3.	BOD (3 days 27°C )	Not to exceed 30
4.	Dissolved Oxygen	Not less than 5
5.	Faecal Coliform	No FC
6.	Total Coliform	200 TC/100 ml
7.	Bioassay test on fish	90% survival of fish after first 96 hr. in 100% effluent.
8.	Colour and Odour	No noticeable Colour or offensive Odour
9.	Floating matter	Nothing obnoxious or detrimental for use purpose

#### **C) The treated effluent shall be disposed**

- 1) After proper disinfection on land for gardening, irrigation, road side plantation, curing water for construction, MSW facility for spraying purpose, and all other non potable, non tangible water uses up to 50%. The remaining shall be discharge into Thane creek (Kalawa STP) and Ulhas creek (Mumbra STP).
- 2) You shall obtain approval from NIO for deciding treated sewage disposal point in the creek/sea and shall make necessary arrangements for each STP.
- 3) You shall provide closed sewer pipeline network for carrying total sewage specified jurisdiction to that particular STP so that no sewage is discharge without treatment.
- 4) You shall provide adequate system to each STP for treatment / disposal of waste i.e. sludge to convert into manure.
- 5) You shall provide online flow meter with data logger at the inlet and at outlet of each STP.
- 6) You shall disposal of all solid waste like Grit etc. other than sludge generated from the each STP at MSW site.

7) If the local body is admitting any effluent arising from the industries located in their jurisdiction, arrangement shall be made by the local body to see that such admittance :-

1. Will not cause the deterioration of sewers/drains
2. Will not cause any toxicity either at treatment works or enroute
3. Will not cause harmful effect on people working at treatment work or enroute.

The local body shall fully treat such industrial effluent to meet the above standards.

- 8) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks 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.
- 9) 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.
- 10) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. No.	Purpose for water consumed	Water consumption quantity (MLD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	Nil
2.	Domestic purpose	460
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

- 11) 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

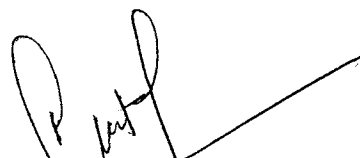
1. As per your application, you have provided the Air pollution control (APC) system and also to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in meter	Type of Fuel	Quantity & UoM	S %	SO <sub>2</sub> Kg/Day
-	-	-	-	-	-	-	-

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under.
3. 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>
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4. 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.
5. 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).



### Schedule-III

#### General Conditions

- 1) The Thane Municipal Corporation should bring minimum 33% of the available open land under green coverage/plantation. The applicant should submit a yearly statement by 30<sup>th</sup> September every year on available open plot area, no. of trees surviving as on 31<sup>st</sup> March of the year and no. of trees planted by September end.
- 2) The Municipal Corporation should provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent.
- 3) The Municipal Corporation should submit MPCB, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30<sup>th</sup> September every year.
- 4) The Municipal Corporation should install a separate meter showing the consumption of energy for operation of domestic treatment plants and air pollution control system if any. A register showing consumption of chemicals used for treatment should be maintained. The applicant should also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption along with Environmental statement.
- 5) Separate drainage system should be provided for collection of trade and sewage effluents. Terminal manholes should be provided at the end of collection system with arrangement for measuring the flow. No effluent should be admitted in the pipes/sewers downstream of the terminal manholes. No effluent should find its way other than in designed and provided collection system. Neither storm water nor discharge from other premises should be allowed to mix with the effluents from the factory.
- 6) The Municipal Corporation should ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 7) The Municipal Corporation should maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- 8) The Municipal Corporation shall follow the directions issued by the Board dated 14.6.2010.
- 9) The Municipal Corporation shall follow the direction issued by the Board vide No. BO/P&L Divn./B-1334 dated 12.3.2013.
- 10) The Thane Municipal Corporation shall comply with the Provisions of Bio-Medical Wastes (M & H) Rules, 1998 (as amended).



- 11) This consent is issued without prejudice or being prejudice of the order passed by the Hon'ble High Court in PIL No. 176/2012.
- 12) At the inlet and outlet terminal, manholes with measuring devices in the form of online flow measurement devices shall be provided to each STP and record of the same shall be maintained. No effluent shall find its way other than in designed and provided collection system.
- 13) The Municipal Corporation shall obtain authorization and comply with the provisions of **Municipal Solid Wastes (Management & Handelling) Rules, 2000 and amendments thereto.** and the **Bio- Medical Waste (Management & Handelling) rules, 1998 and amendments thereto**, notified by Ministry of Environment & Forest, Government of India vide notification dt. 25.09.2000 which is related to Collection, Segregation, Storage, Transportation, Processing and Disposal as per schedule.
- 14) The Municipal Corporation shall at its own cost get the samples of untreated and treated effluent collected and analyzed every three months and shall submit the report thereof to the Regional Officer/Sub Regional Officer, Maharashtra Pollution Control Board, Thane with a copy to the Board Office.
- 15) A Yearly progress report in the prescribed proforma shall be submitted to the Sub Regional Office and the Regional Office, stating therein the progress made in respect of execution of treatment and proposal of works under this consent. These reports shall be submitted by the 10<sup>th</sup> April.
- 16) The Municipal Corporation shall not charge or alter the quantity, the rate of discharge temperature and the mode of disposal of the effluent without previous written permission of the Board Office.
- 17) The Municipal Corporation shall obtain Consent to Operate before putting the STP in Operation.
- 18) The Board reserves the right to revoke, change or alter the terms and conditions of consent by giving one month's notice to the Municipal Corporation
- 19) The Municipal Corporation shall provided facility for collection of samples to the Board staff at the terminal manhole.
- 20) An inspection Book shall be opened and made available to the Board Officers during their visit to the Municipal Corporation.