

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Red/LSI

Consent No. BO/JDWPC/ ECI- NM-4091-12/CO/CAC-827 Date 12/02/2013

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 & T) Rules respectively]

CONSENT is hereby granted to

**M/s. Navi Mumbai Municipal Corporation  
(STP Plant) First Floor, Belapur Bhavan,  
Belapur, Navi Mumbai - 400 614**

to discharge the effluent from local body located in the area declared under the provision of the Water Act, Air Act and Authorisation under provision of HW(M, H & T) 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 – 31.05.2017

2. CONDITIONS UNDER WATER ACT:

(i) The daily quantity of trade effluent from the STP shall be Nil.

(ii) The daily quantity of sewage effluent from the STP shall not exceed 230 MLD

Sr. No.	Name of STP	Quantity of Effluent in MLD	To be discharged into
1	STP CBD Belapur, Sector - 12, Nerul, Navi Mumbai	19.00	Diwale Creek
2	STP Nerul, Sector - 50, Navi Mumbai	100.00	Vashi Creek
3	STP Sanpada, Sector - 20, Navi Mumbai	37.50	Vashi Creek
4	STP Vashi, Sector - 18, Navi Mumbai	100.00	Vashi Creek
5	STP Koparkhairane, Sector - 14, Navi Mumbai	87.50	Vashi Creek
6	STP Airoli, Sector - 18, Navi Mumbai	80.00	Vashi Creek
7	STP Nerul, Sector - 2, Navi Mumbai	10.00	Vashi Creek

3. **Collection:** The effluent shall be collected through proper underground drainage system to STP. Care shall take to prevent the spreading of effluent in open land, creating mosquito breeding.

4. **Effluent Treatment:** The Navi Mumbai Municipal Corporation shall provide comprehensive treatment system consisting of primary/ secondary and 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:

Sr. No.	Parameter	Limits
1	pH	Between 5.5 to 9.0
2	Suspended Solids	Not to exceed 100 mg/l
3	BOD 3 days 27 C	Not to exceed 100 mg/l
4	Oil & Grease	Not to exceed 10 mg/l.
5	% Sodium	Not to exceed 60%
6	Mercury	Not to exceed 0.01 mg/l.
7	Lead	Not to exceed 2.0 mg/l.
8	Copper	Not to exceed 3.0 mg/l.
9	Zinc	Not to exceed 15.0 mg/l.
10	Nickel	Not to exceed 5.0 mg/l.
11	Total Chromium (as Cr)	Not to exceed 2.0 mg/l.
12	Bioassay test on fish shall show 90 % survival 90 hours in 100% effluent	

Also, The Navi Mumbai Municipal Corporation should monitor water quality of final outlet of STP Navi Mumbai area treated effluent shall meet respective standards mentioned as above.

If 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 any deterioration of sewage /drains.
- 2) Will not cause any toxic either or treatment works or enroute.
- 3) Will not cause harmful effect on people working at treatment work

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

#### 5. Effluent Disposal:

Collection and Pumping facility and pumping facility shall be made available.

Necessary pumping stations with stand-by arrangement shall be provided.

The treated effluent after achieving the above standards shall be discharged into creeks as stated above.

- 1) At the outlet terminal, manholes with measuring devices in the form of "V" notches properly calibrated or suitable flow measurement devices shall be provided. No effluent shall find its way other than in designed and provided collection system. Measurement of flow shall be made Board staff at these terminal manholes.
- 2) The sludge garbage and the solid waste be scientifically collected, transported and composted in a place more than 2 km away on leeward side. Otherwise may be disposed by incineration / sanitary land filling. The Navi Mumbai Municipal Corporation shall 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 related to Collection, Segregation, Storage, Transportation, Processing and Disposal as per schedule - I.
- 3) 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 Sub Regional Officer, Maharashtra Pollution Control Board, Navi Mumbai with a copy to the Board Officer and the Regional Officer, Navi Mumbai.

- 4) A Yearly progress report in the prescribed proforma shall be submitted to the office of Sub Regional Office and the Regional Office, Navi Mumbai 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.
- 5) The Navi Mumbai 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.
- 6) The Board reserves the right to revoke, change or alter the terms and conditions of consent by giving one month's notice to the The Navi Mumbai Municipal Corporation
- 7) The Navi Mumbai Municipal Corporation shall provided facility for collection of samples to the Board staff at the terminal manhole.
- 8) The Navi Mumbai Municipal Corporation shall make an application for renewal of the consent at least 30 days before the date of expiry of the consent.
- 9) An inspection Book shall be opened and made available to the Board Officers during their vist to the Municipal Corporation.
- 10) The Navi Mumbai Municipal Corporation shall comply with the provisions of the **Water (Prevention and Control of Pollution) Cess Act, 1977**. They shall regularly submit to the Board the returns in the prescribed form and pay cess as specified under Section of the said Act.

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

(i)	Domestic	...	250	MLD
(ii)	Water gets Polluted & Pollutants are Biodegradable	...	0.00	CMD
(iii)	Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00	CMD
(iii)	Industrial Cooling, spraying	...	0.00	CMD

11) ~~The Municipal Corporation shall comply with the provisions of the Hazardous Wastes (Management and Handeling) Rules, 1989 and Amendement rules, 2003.~~

12) Penalty Clauses: If The Navi Mumbai Municipal Corporation fails to implement consent conditions prescribed above within the prescribed time limit, it is liable for prosecution under Section 44 of Water (Presentation and Control of Pollution) Act, 1974, and shall on conviction be liable to penalties provided therein.

#### 6. General Conditions:

- 1) The Navi Mumbai 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 Navi Mumbai Municipal Corporation should provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the

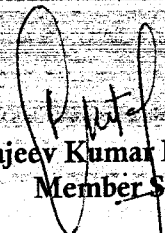
production to abide by terms & conditions of this consent regarding pollution levels.

- 3) The Navi Mumbai Municipal Corporation should make an application for renewal of the consent at least 60 days before the date of the expiry of the consent. The applicant should 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.
- 4) The Navi Mumbai 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.
- 5) The Navi Mumbai Municipal Corporation should install a separate 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 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.
- 6) 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 down-stream 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.
- 7) The Navi Mumbai Municipal Corporation should 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 should pay to the Board for the services rendered in this behalf. An inspection book should be opened and made available to the Board's officers during their visit to the applicant.
- 8) The Navi Mumbai 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.
- 9) The Navi Mumbai Municipal Corporation should maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.

7. The Total Gross Block Capital Investment of unit is ₹ 354.76 Cr.
8. This Consent is issued pursuant to the decision of the 9<sup>th</sup> CAC meeting of 2012 the Board held on ~~08.01.2013~~

24.12.12

For and on Behalf of the  
Maharashtra Pollution Control Board,

  
(Rajeev Kumar Mital, IAS)  
Member Secretary

To,  
M/s. Navi Mumbai Municipal Corporation  
(STP Plant) First Floor, Belapur Bhavan,  
Belapur, Navi Mumbai - 400 614

Copy to:  
RO-Navi Mumbai/SRO Navi Mumbai - I/II  
- CAO / Cess Branch / Master File

Received Consent fee of -

Sr. No.	Amount (₹)	D. D. No.	Date	Drawn On
1	5,10,000/-	391364	28 Aug 2012	State Bank of Mysore