

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Red/SSI

Consent No. BO/JDWPC/EIC - KN - 6482 - 13/CO/CC - 9109 Date : 29/Oct/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. Dombivali Common Effluent Treatment Plant,  
Plot no. R - 4/2, MIDC Phase II, Opp. W-40,  
Dombivali (E), Dist - Thane.**

(hereinafter will be referred to as the said society) to Operate Common Effluent Treatment Plant for the treatment of effluents from participant industrial units in the Water Pollution & Prevention Control Area of Ulhas River Basin, subject to provision of the Act and Rules and orders that may be there under and further subject to the following terms and conditions:

1. The Consent to Operate is granted for a period upto - **31.12.2015**
2. The daily quantity of industrial effluent to be treated shall not exceed **1500 m<sup>3</sup>**
3. The daily quantity of domestic effluent to be treated shall not exceed **2 m<sup>3</sup>**
4. The Consent is valid for collection, storage and treatment of Industrial and Domestic Effluent conforming to the inlet standards specified hereunder:-

1. pH	Between	5.5 to 9.0
2. Temperature	Not to exceed	45 Degree C
3. Oil & Grease	Not to exceed	20 mg/l.
4. Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	Not to exceed	5.0 mg/l.
5. Ammonical Nitrogen (as N)	Not to exceed	50 mg/l.
6. Cyanide (as CN)	Not to exceed	2.0 mg/l.
7. Hexavalent Chromium ( as Cr <sup>+6</sup> )	Not to exceed	2.0 mg/l.
8. Total Chromium (as Cr)	Not to exceed	2.0 mg/l.
9. Copper (as Cu)	Not to exceed	3.0 mg/l.
10. Lead (as Pb)	Not to exceed	1.0 mg/l.
11. Nickel (as Ni)	Not to exceed	3.0 mg/l.
12. Zinc (as Zn)	Not to exceed	15 mg/l.
13. Arsenic (as As)	Not to exceed	0.2 mg/l.
14. Mercury (as Hg)	Not to exceed	0.01 mg/l.
15. Cadmium (as Cd)	Not to exceed	1.0 mg/l.
16. Selenium (as Se)	Not to exceed	0.05 mg/l.
17. Fluoride (as F)	Not to exceed	15 mg/l.
18. Boron (as B)	Not to exceed	2.0 mg/l.
19. Radioactive Materials-		
Alpha Emitters, Hc/ml		10 <sup>-7</sup>
Beta Emitters, He/ml		10 <sup>-8</sup>

In case of SSI unit having effluent less than 25 CMD, BOD of maximum of 1500 mg/l and COD of maximum 3500 mg/l will be allowed. In case of other units primary and secondary treatment shall be provided as required to meet consented standards before disposal to CETP.

**Note :** All small Scale Units generating effluent quantity more than 25 m<sup>3</sup>/day and Medium & Large Scale Units irrespective of the quantity of effluent will have to achieve the standards as prescribed in the letter of Consent issued to them individually under the Water (P & CP) Act 1974, Air (P & CP) Act 1981, Hazardous Waste (M&H) Amendment thereto before discharging the effluent into CETP.

**5. Treatment and disposal for combined Industrial and Domestic effluent.**

a) **Treatment:** The CETP authority shall provide comprehensive treatment system for treatment of effluent 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)	BOD 3 Days 27 Deg.C	Not to exceed	100 mg/l.
3)	Oil & Grease	Not to exceed	10 mg/l.
4)	Temperature	Not to exceed	45° Cat the point of discharge
5)	Suspended Solids	Not to exceed	100 mg/l.
6)	Dissolve Solids	Not to exceed	- mg/l.
7)	Total Residual Chlorine	Not to exceed	1.0 mg/l.
8)	Ammonical Nitrogen (as N)	Not to exceed	50 mg/l.
9)	Kjeldahl Nitrogen (as N)	Not to exceed	100 mg/l.
10)	COD	Not to exceed	250 mg/l.
11)	Arsenic (as As)	Not to exceed	0.2 mg/l.
12)	Mercury (as Hg)	Not to exceed	0.01 mg/l.
13)	Lead (as Pb)	Not to exceed	1.0 mg/l.
14)	Cadmium (as Cd)	Not to exceed	1.0 mg/l.
15)	Chromium Total (as Cr)	Not to exceed	2.0 mg/l.
16)	Copper (as Cu)	Not to exceed	3.0 mg/l.
17)	Zinc (as Zn)	Not to exceed	15 mg/l.
18)	Selenium (as Se)	Not to exceed	0.05 mg/l.
19)	Nickel (as Ni)	Not to exceed	5.0 mg/l.
20)	Boron (as B)	Not to exceed	- mg/l.
21)	Percent Sodium	Not to exceed	- mg/l.
22)	Cyanide (as CN)	Not to exceed	0.2 mg/l.
23)	Chloride (as Cl)	Not to exceed	- mg/l.
24)	Fluoride (as F)	Not to exceed	15 mg/l.
25)	Sulphate (as SO <sub>4</sub> )	Not to exceed	- mg/l.
26)	Sulphide (as S)	Not to exceed	5.0 mg/l.
27)	Pesticides		Absent
28)	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	Not to exceed	5.0 mg/l.

**Note:-**

- i) All efforts should be made to remove colour and unpleasant odour as far as possible.
- ii) If the CETP is not able to achieve the outlet parameters, then all the members and the said Society would be individually and jointly responsible and liable for legal actions under the provisions of sections 47 of the Water (Prevention & Control of Pollution) Act, 1974.

b) **Disposal:** The treated effluent shall be connected to the sewerage system provided by MIDC and finally discharged into **Ulhas Creeck**, at a point to be specified by National Institute of Oceanography.

6. The applicant should 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 CETP falls in the category of the Cess Act & the rules made there under."

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

(i) Domestic Purpose	...	2.5 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	--- CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	--- CMD
(iv) Industrial Cooling, Spraying in mine pits or Boiler feed	...	--- CMD

The applicant should comply by installing water meters, filing of water cess returns of water consumption in the prescribed Form-I regularly and other provisions as contained in the said act. The applicant shall submit the form and pay the Cess as specified under Section 3 of the said Act.

7. **CONDITIONS UNDER AIR (P&C P) ACT, 1981:**

- (i) The applicant shall install a comprehensive 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 following standards:

**A] Control Equipment: NIL.**

**B] 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.] CETP 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 metres from acoustic enclosure/room and then average.
- 3.] CETP 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.
- 4.] CETP 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 much 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 shall 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.

**C] Standards for Emissions of Air Pollutants:**

(i) SPM/TPM	Not to exceed 150	mg/Nm <sup>3</sup>
(ii) SO <sub>2</sub>	Not to exceed 21.6	kg/day

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

Sr. No.	Type of Fuel	Quantity	UOM
1.	Diesel	25	Liter/hr

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

Sr. No.	Chimney attached to	Height in meter
1	DG Set (82.5 KVA)	5.0*

(\*above the height of building where the DG set is installed)

- (iii) The applicant should provide ports in the chimney/(s) and facilitates such as ladder, platform etc. for monitoring the air emissions and the same should be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission should be designated by numbers such as S-1, S-2, etc. and these should be painted/displayed to facilitate identification.
- (iv) The CETP 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.
- (v) Other Conditions:  
a. The CETP should not cause any nuisance in surrounding area.  
b. The CETP should provide online monitoring system as per direction issued time to time.

#### 8. CONDITIONS UNDER HW (M&H) RULES, 1989 & AMENDMENT RULES, 2008.

i) The applicant shall handle hazardous wastes as specified below :

Sr. No.	Cat. of Waste	Type of Waste	UOM	Disposal
1.	34.4	CETP Sludge	1.07 MT/Day	CHWTSDF, Taloja

ii) **Treatment:** The hazardous waste generated shall be sent to CHWTSDF for further treatment and disposal.

9. Whenever due to any accident or other unforeseen act or event, 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 production process connected to it should be stopped.

#### 10. General Conditions:

1. The applicant shall 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.
2. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30<sup>th</sup> September every year on available open plot area, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted by September end.
3. 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.
4. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant to maintain compliance with

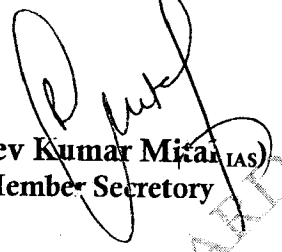
the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent regarding pollution levels.

5. 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.
  6. The applicant shall provide facility for collection of environmental samples and samples of trade and 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. The applicant shall make an application for renewal of the consent at least 60 days before the date of expiry to the consent.
  8. The firm shall submit to this office, the 30<sup>th</sup> day of September every year, 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.
  9. The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30<sup>th</sup> June of every year.
  10. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
  11. The applicant shall 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 shall be maintained.
  12. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the 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.
  13. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
  14. The applicant 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 applicant shall provide central control panel system for monitoring the unit operation of common effluent treatment plant.
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11. The Board reserves the right to amend or add any condition in this consent and same shall be binding on the applicant.
  12. This consent shall not be construed as any exemption from obtaining necessary No Objection Certificate from other Government agencies as may deemed fit necessary.
  13. The Bank guarantees shall be imposed in line with circular issued dt. 14.1.2013 after accounting for various existing Bank Guarantee's obtained in compliance of various direction issued to CETP from time to time.
  14. The CETP shall comply with the direction issued for MPCB from time to time if any.
  15. The CETP shall submit the fresh irrevocable Bank Gaurantee of ₹ 10 Lakhs towards Operation and Maintenance of CETP. The Bank Gaurantee shall be submitted in favour of the Regional Office, Kalyan within 15 days period which shall be valid up to 30.04.2016.
  16. The CETP shall submit the fresh irrevocable Bank Gaurantee of ₹ 5 Lakhs towards compliance of condition of treated effluent disposal line/point as per condition no. 5 (b) within six months. The Bank Gaurantee shall be submitted in favour of the Regional Office, Kalyan within 15 days period which shall be valid up to 30.04.2016

17. This renewal of grant of consent is issued without prejudice to Hon'ble High court order passed or being passed in the Writ Petition No. 17 of 2011 filed by Nicholas Almedia v/s State of Maharashtra & Others.

18. The Capital Investment of the project is ₹ 3.27 Cr.

For and on Behalf of the  
Maharashtra Pollution Control Board,

  
(Rajeev Kumar Mishra IAS)  
Member Secretary

To,  
M/s. Dombivali Common Effluent Treatment Plant,  
Plot no. R- 4/2, MIDC Phase II, Opp. W-40,  
Dombivali (E), Dist - Thane.

Copy to:

RO Kalyan - shall forfeit Bank Guarantee of ₹ 5 lakhs and obtained fresh Bank Guarantee of ₹ 10 lakhs towards operation and maintenance of CETP and monitor compliance. Also obtain fresh Bank Guarantee of ₹ 5 lakhs towards compliance of treated effluent disposal line/ point as per condition no. 5 (b) within six months.

SRO Kalyan-I/C.A.O./ Cess Wing/ Master file.

Received Consent fee of -

Sr. No.	Amount (₹)	DD. No.	Date	Drawn On
1.	45,100/-	048014	09 March 2013	Bank of India
2.	1,500/-	048136	09 April 2013	Bank of India
3.	8,750/-	110676-	23 August 2013	Thane Janata Shakari Bank