

# MAHARASHTRA POLLUTION CONTROL BOARD

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

Consent order No MPCB/JD(APC)/TB-2/EICNo.KN-6470-13/CC-6731 Date 12/08/2013  
RED/LSI

To,

M/s. Technocraft Industries Ltd., (Power Dvsn.)  
(Captive Power Plant)  
Gut No. 370, Vill:- Dhanivali,  
Tal:- Murbad, Dist-Thane

Subject: Consent to Operate RED category.

Ref:1.Earlier Consent granted videno.BO/RO(P&P)/EIC.No.

KN- 3116-09/CC- 160 dated 9.4.2010

2. Minutes of CC meeting held on 28.06.2013

Your application Dated:10/03/2013.

For: Consent to Renewal 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 under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent is granted for a period from 31.03.2013 to 31.08.2018.
2. The actual capital investment of the industry is Rs.36.14 Crs. (As per C.A.Certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity
	Electricity Generation	1× 15 MW
	Steam Generation for Other Industrial Purpose	75 MT/Day

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	66.0	Yes	Recycle/reused for ash, coal handling, dust suppression etc. to the maximum extent(60 CMD) and remaining shall be used for Plantation
2.	Domestic effluent	4.0	Yes	On land

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

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boiler	1	Yes

6. Conditions under Hazardous Waste (M, H & T M) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Used/ spent oil	5.1	5	Kl/Yr.		Sale to authorized recycler

7. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.

For and on behalf of the  
Maharashtra Pollution Control Board

(V. M. Motghare )  
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	275000/-	061980	5/3/2013	Bank of India
2	31250/-	095768	17/7/2013	

Copy to:

1. Regional Officer -Kalyan and Sub-Regional Officer-Kalyan-II, MPCB,Kalyan. They are directed to ensure the compliance of the consent conditions. And directed to obtain bank Guarantee of Rs. 5.0 lacs & Rs.2.0 lacs from industry.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

**Schedule-I**

**Terms & conditions for compliance of Water Pollution Control:**

1) A] As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of 66CMD.

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board
	<b>I. Compulsory Parameters</b>	<b>Limiting Concentration in mg/l, except for pH</b>
01	pH	6.0 to 8.5
02	Oil & Grease	10
03	BOD (3 days 27oC)	100
04	Total Suspended Solids	2100
05	COD	250

C) Treatment : The applicant shall 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 :

l) The industrial effluent arising from various sections of power plant shall be given such treatment either collective or individually as the site condition permits that the final quality of effluent shall have following character standards :-

**a) Condenser Cooling Water :**

- |                            |               |   |
|----------------------------|---------------|---|
| 1) pH                      | Between       | 6.5 to 8.5  |
| 2) Temperature             | Not to exceed | 5 degree C<br>Higher than the intake<br>water temperature |
| 3) Free available Chlorine | Not to exceed | 0.5 mg/l.   |

**b) Boiler Blow down:-**

- |                     |               |     |       |
|---------------------|---------------|-----|-------|
| 1) Suspended Solids | Not to exceed | 100 | mg/l. |
| 2) Oil & Grease     | Not to exceed | 20  | mg/l. |
| 3) Copper (Total)   | Not to exceed | 1   | mg/l  |
| 4) Iron (Total)     | Not to exceed | 1   | mg/l. |

**c) Cooling Tower Blow down :-**

- |                            |               |     |       |
|----------------------------|---------------|-----|-------|
| 1) Free available Chlorine | Not to exceed | 0.5 | mg/l. |
| 2) Zinc                    | Not to exceed | 1   | mg/l. |
| 3) Chromium (Total)        | Not to exceed | 0.2 | mg/l. |
| 4) Phosphate               | Not to exceed | 5   | mg/l. |

**d) DM Plant Effluent :-**

- |                     |               |            |       |
|---------------------|---------------|------------|-------|
| 1) pH               | Between       | 5.5 to 9.0 |       |
| 2) BOD 3 days 27 C  | Not to exceed | 30         | mg/l. |
| 3) COD              | Not to exceed | 250        | mg/l  |
| 4) Suspended Solids | Not to exceed | 100        | mg/l. |
| 5) Oil & Grease     | Not to exceed | 20         | mg/l. |
| 6) TDS              | Not to exceed | 2100       | mg/l. |

D] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

- |     |                   |               |     |       |
|-----|-------------------|---------------|-----|-------|
| (1) | Suspended Solids. | Not to exceed | 100 | mg/l. |
| (2) | BOD 3 days 27oC.  | Not to exceed | 100 | mg/l. |

E] The treated sewage effluent shall be soaked in a soak pit, which shall be got cleaned periodically. The treated sewage effluent shall be disposed on land for gardening/irrigation.

2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works 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.

3) 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.

4) 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 (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	300
2.	Domestic purpose	5.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	-
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	-

5) 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/ Environmental Clearance / CREP guidelines.

#### Schedule-II

#### Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	Height in Mtrs.	Type of Fuel	Quantity	UoM	S %	SO <sub>2</sub> Kg/Day
1	Boiler	60	Coal	234	T/D	1	234

2. 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	100 mg/Nm <sup>3</sup> .
--------------------	---------------	--------------------------

3. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act,1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)
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 .  
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**  
**Details of Bank Guarantees**

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	R	1) Rs.5.0 lacs	15 days	Operation & maintenance of pollution control system	--	31/12/2018
2	R	2)	15 days	Submission of Environment Statement	--	31/12/2018

## Schedule-IV

### General Conditions:

- 1) The applicant shall comply with the conditions stipulated in Environmental Clearance granted by Environment Dept. GoM vide No. Technocraft 2008/451/CR43/TC-Idtd.14.01.2009.
- 2) 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.
- 3) Industry should monitor effluent quality monthly.
- 4) The industry should monitor stack emissions and ambient air quality monthly.
- 5) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 6) 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.
- 7) 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.
- 8) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant. OR
- 9) The industry shall maintain visit book for visiting MPCB officials and shall made available at the time of visit and ensure recording of remarks of the officer thereon alone with his counter signature.
- 10) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- 11) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website([www.mpcb.gov.in](http://www.mpcb.gov.in)).
- 12) 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 Wastes (M, H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30<sup>th</sup> June of every year.
- 13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day obligation toward pollution control and compliance of consent condition to be monitored/reviewed and to suggest further necessary improvement therein.
- 14) The ash content for coal used in thermal power plants shall not exceed 34%.
- 15) 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.

- 16) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 17) 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.
- 18) The industry should not cause any nuisance in surrounding area.
- 19) The industry 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.
- 20) The applicant shall maintain good housekeeping.
- 21) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 22) 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.
- 23) 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. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 24) 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 per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 25) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 26) The industry shall comply with the notification issued by MoEF for utilization of flyash from coal or lignite based thermal power plants dated 14<sup>th</sup> September, 1999 and as amended on 3<sup>rd</sup> November, 2009.
- 27) The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
- 28) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 29) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009.
- 30) **The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled /processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.**