

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781/24014701

Fax: 24024068 /24023515

Website: <http://www.mpcb.gov.in>

E-mail: enquiry@mpcb.gov.in



Kalpataru Point, 2nd - 4th Floor,
Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E)
Mumbai - 400 022

Consent order No: - BO/JD (WPC)/RO Nagpur/CC/-4299

Date: 03/2016

29/03/2016

To,
M/s. Nagpur Municipal Corporation
Mahanagar Palika Marg, Civil lines,
Nagpur - 440 001.

Subject: Consent to establish for expansion of Bhandewadi STP (100 MLD)

Ref : 1. Your application no. CO1509000178 to SRO Nagpur I
2. Minutes of Consent Committee meeting of 2016-17 held on 03.02.2016

Your application to SRO Nagpur - I dated: 09.11.2015

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 is granted for a period up to: Commissioning of STP or five 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:

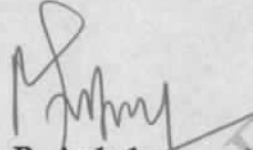
Sr. no.	Description	Permitted quantity of discharge (MLD)	Standards to be achieved	Disposal
1.	Domestic effluent	100	As per schedule - I	Nag River
2.	Trade effluent	Nil	N.A.	N. A.

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/Permissions from any other Government authorities.

**For and on behalf of the
Maharashtra Pollution Control Board**


(Dr. P. Anbalagan IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount (₹)	D. D. No.	Date	Drawn On
1.	1,00,000/-	002329	27 November 2015	IDBI Bank

Copy to:

1. Regional Officer Nagpur and Sub-Regional Officer Nagpur - I, MPCB. They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai.
3. CC 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.	Bhandewadi STP III (Expansion)	100
	Total	100

- 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
	Compulsory Parameters	Limiting Concentration in mg/l, except for pH
1.	pH	6.5 to 8.5
2.	Oil & Grease	Not to exceed 5
3.	BOD (3 days 27°C)	Not to exceed 30
4.	Free Ammonia (as N)	Not to exceed 1.2
5.	Nitrates	Not to exceed 45
6.	Dissolved Phosphate as (P)	Not to exceed 5
7.	Dissolved Oxygen	Not less than 5
8.	Faecal Coliform	No FC/100 ml
9.	Total Coliform	200 TC/100 ml
10.	Floating matter	Nothing obnoxious or detrimental for use purpose
11.	Bioassay test on fish	90% survival of fish after first 96 hrs in 100% effluent.

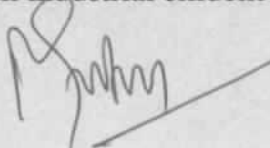
C) The treated effluent shall be disposed

- 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. The remaining shall be discharge into **Nag River**.

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 of enroute.
3. Will not cause harmful effect on people working at treatment work or enroute.

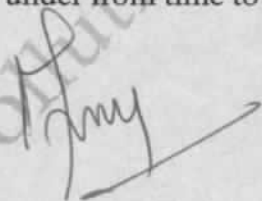
The local body shall fully treat such industrial effluent to meet the above standards.



- 2) 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.
- 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 (MLD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	Nil
2.	Domestic purpose	600
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

- 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.



Maharashtra Pollution Control Board

Schedule-II

Terms & conditions for compliance of Air Pollution Control

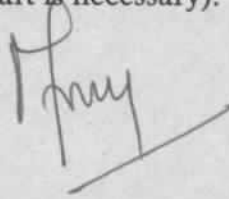
1. Municipal Corporation shall provide the DG set of sufficient capacity in case of electricity failure.
2. As per your application, you have provided the Air pollution control (APC) system and also to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack attached to	APC System	Height in m	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	DG Set (45 KvA)	Chimney	3	HSD	360 lit/day	1	7.2

3. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under.
4. 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/Nm³
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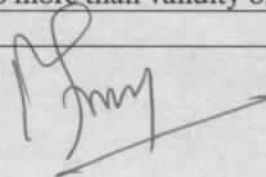
5. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
6. The Board reserves its 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

Bank Guarantee regime towards obtaining compliance of Environmental norms for local bodies

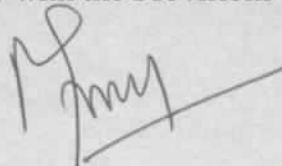
Code	Compliance	Municipal Corporation & A Class Municipal Council (BG in Lakhs ₹)	Time for Compliance	Compliance report with remarks by SRO
Performance issues				
1	Providing Closed sewer pipeline network for carrying total sewage specified jurisdiction to that particular STP so that no sewage is discharge without treatment.	25	1 year	
2	Criteria - To achieve full capacity of sewage treatment If sewage treatment available is			
a	25 % or less	100	1 year	
b	> 25% to 50 %	75	1 year	
c	> 50% to 75 %	50	1 year	
d	> 75 % and above	25	1 year	
3	Providing arrangement for treated sewage recycle and reuse atleast 50% for gardening, road side plantation, curing for building construction, MSW facility for spraying purpose, and all other non potable, non tangible water uses. (per STP)	10	1 year	
4	Providing adequate system for treatment / disposal of waste i.e. sludge to convert into manure. (per STP)	5.0	1 year	
5	To provide online flow meter with data logger at the inlet and at outlet of STP (per STP)	2.0	Six months	
Operation and Maintenance issues				
6	Disposal of all solid waste like Grit etc. other than sludge generated from the STP at MSW site. (per STP)	2.0	Continuous	Monthly
7	Towards Operation & Maintenance of the Sewage Treatment Plant to achieve disposal standards. (per STP)	5.0	Continuous	Monthly
8	Obtaining approval from National Institute of Oceanography for fixing the treated sewage disposal point. (per STP)	10	2 years	
Record issue				
9	Maintaining Records (per STP)	1.0	Continuous	Monthly
10	All the Bank Guarantees shall be submitted in 15 days from the date of receipt of the consent and all shall be valid for four months more than validity of the consent.			



Schedule-IV

General Conditions

- 1) The Municipal Corporation should bring minimum 33% of the available open land under green coverage/plantation. The applicant should submit a yearly statement by 30th September every year on available open plot area, no. of trees surviving as on 31st 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 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30th 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 Div/B-1334 dated 12.3.2013.
- 10) The 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 in 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, Nagpur/Sub Regional Officer, Nagpur -I, Maharashtra Pollution Control Board, 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 10th 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.

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