

# WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'  
Bldg. No. - 10A, Block - LA, Sector-III  
Salt Lake City, Kolkata-700 098



Consent Letter Number : **CO118070**

Memo Number : **276/ng-co-s/12/0378**

Date : **30.05.19**

## Consent to Operate

under

Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and  
Section 21 of the Air (Prevention and Control of Pollution) Act, 1981

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to :

**Bandel Thermal Power Station (B.T.P.S.)**

(Address of Regd. office/Head Office/City Office)

(hereinafter referred to as Applicant) for its unit located at **vill. & P.O.- Tribeni,**

**P.S.- Mogra, Dist.- Hooghly,**

**Pin.- 712 503.**

(Detailed address of the manufacturing unit)

for a period ~~2000~~ **up to 31.03.2024**

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.

*o/c*

For and on behalf of the State Board

(Member Secretary/Chief Engr./Sr. Env. Engr./ Env. Engr./ Asst. Env. Engr.)

**Environmental Engineer**  
**Hooghly R.O., W.B.P.C.B.**



## ANNEXURE

Consent to ..... Bandel Thermal Power Station.(BTPS) .....  
 for its unit at Vill. & P.O.- Tribeni, P.S.- Mogra, Dist.- Hooghly, .....  
Pin.- 712 503. .....

Conditions :

01. This Consent is valid for the manufacture of :-

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	<b>Electricity</b>	<b>244.55 MU</b>
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		

02. The *Applicant* shall remain responsible for quantity and quality of liquid effluent and air emissions.
03. **Daily** discharge of industrial liquid effluent shall not exceed ..... **549.642.79** ..... KL.
04. **Daily** discharge of domestic liquid effluent shall not exceed ..... **600** ..... KL.
05. **Daily** discharge of mixed (industrial & domestic) liquid effluent shall not exceed ..... **---** ..... KL.
06. The *Applicant* shall discharge liquid effluent to ETP, STP, Ganga ..... (place of discharge)  
 through ..... **03** ..... nos. outlets / outfalls.
07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The *Applicant* shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the *Standard* as given in Table-I in page 03.

(Member Secretary/Chief Engr./Sr. Env. Engr./ Env. Engr./Asst. Env. Engr.)

Environmental Engineer  
 Hooghly R.O., W.B.P.C.B.

Hooghly R.O., W.B.P.C.B.

Consent to ..... **Bandel Thermal Power Station(B.T.P.S.)** .....  
 for its unit at **Vill. & P.O.- Tribeni, P.S.- Mogra, Dist.- Hooghly,** .....  
 ..... **Pin.- 712 503.** .....

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
01	Domestic	pH	Between: <b>5.5 - 9.0</b>	<b>Quarterly</b>
02	Ash Pond	Total Suspended Solids	Not to exceed: <b>100 mg/l.</b>	
	over flow	Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: <b>30 mg/l.</b>	
02	DM Plant	Chemical Oxygen Demand	Not to exceed: <b>250 mg/l.</b>	
		Oil & Grease	Not to exceed: <b>10 mg/l.</b>	
		<b>Fe ( industrial)</b>	<b>.. 1.0 ..</b>	

09. The *Applicant* falls in the ..... Category of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the *Applicant* shall comply with the provisions of the said Act and Rules made thereunder.

10. Daily water consumption for the following purposes should not exceed :-

- Industrial cooling, spraying in mine pits and boiler feed water → ..... **1286400** ..... KL  
 (Water used for gardening should be included in this category of use)
- Domestic purpose → ..... **1700** ..... KL
- Processing whereby water gets polluted and the pollutants are easily biodegradable → ..... **9440** ..... KL
- Processing whereby water gets polluted and the pollutants are not easily biodegradable → ..... **---** ..... KL

The *Applicant* shall regularly submit to the Board the Returns of Water Consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

(Member Secretary/Chief Engr./Sr. Env. Engr./ Env. Engr./Asst. Env. Engr.)

**Environmental Engineer**  
 Hooghly R.O., W.B.C.C.B.

Consent to Bandel Thermal Power Station (B.T.P.S.)  
 for its unit at Vill. & P.O. - Tribeni, P.S. - Mogra, Dist. - Hooghly,  
Pin. - 712 503.

11. The *Applicant* shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the *State Board*.
12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to facilitate identification.
13. The *Applicant* shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the *Standard* as given in Table-II below :

Table-II

Stack No.	Stack height from G.L. (in mts.)	Stack attached to (sources and control system, if any):	Volume Nm <sup>3</sup> /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed				Frequency of emission sampling
					SPM (mg/Nm <sup>3</sup> )	CO (%v/v)			
S-1	60	Boiler - I (60 MW, APCD: ESP)			50	1			Quarterly
S-2	60	Boiler - II (60 MW, APCD: ESP)			50	1			..
S-3	120	Boiler - V (215 MW, APCD: ESP)			50	1			..
S-4									
S-5									
S-6									
S-7									
S-8									
S-9									
S-10									

(Member Secretary/Chief Engr./Sr. Env. Engr./Bhv. Engr./Asst. Env. Engr.)

Environmental Engineer  
 Hooghly R.O., W.B.P.C.B.

Consent to Bandel Thermal Power Station (B.T.P.S.)

for its unit at Vill. & P.O.- Tribeni, P.S.- Mogra, Dist.- Hooghly,

Pin.- 712 503.

14. The *Applicant* shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the *State Board's* staff as well as *State Board's* authorised agencies.
15. The *Applicant* shall observe the following fuel consumption pattern :-

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	<b>Pulverised-</b>	<b>289 MT/hr.</b>	<b>Boiler 1, 2 &amp; 5</b>
02	<b>- coal</b>		
03			
04			
05			

16. The *Applicant* shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below :-

Type of waste	Quantity	Treatment	Disposal
<b>Ash</b>	<b>12521 TPM</b>		<b>Low land filling</b>
<b>Fly Ash</b>	<b>50084 TPM</b>	<b>/</b>	<b>DO</b>

17. The *Applicant* shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below :-

Time	Limit in dB(A) $L_{eq}$
Day Time (06 a.m. to 10p.m.)	<b>65</b>
Night Time (10 p.m. to 06 a.m.)	<b>55</b>

18. The *Applicant* shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.
19. The *Applicant* shall bring about at least 33% of the available open land under the green coverage / plantation.
20. 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 absence of such an alternate electric power source, the *Applicant* shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.
21. The *Applicant* shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.
22. 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.
23. The *Applicant* shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste

(Member Secretary/Chief-Engr./Sr. Env. Engr./ Env. Engr. /Asst. Env. Engr.)

**Environmental Engineer**  
Hooghly R.O., W.B.P.C.B.

29/5/19

Consent to ..... Bandel Thermal Power Station (B.T.P.S.) .....  
 for its unit at ..... Vill. & P.O.- Tribeni, P.S.- Mogra, Dist. - Hooghly, .....  
 ..... pin.- 712 503. .....

24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.
25. The *Applicant* shall get the samples of hazardous wastes/leachates analysed at least once in ..... from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
26. The *Applicant* shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the *State Board's* staff as well as *State Board's* authorised agencies.
27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.
28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
29. The *Applicant* shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
30. The *Applicant* shall furnish to the *State Board* all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
31. The *Applicant* shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
32. The *Applicant* shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.
35. The *Applicant* shall not make any alteration/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.
36. The *Applicant* shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.



Conditions **This CFO letter may be revoked in case of a valid public complaint.**

(Member Secretary/Chief Engineer/Sr. Engr./ Engr./ Exp. Engr./ Asst. Engr./ Engr.)  
 Environmental Engineer  
 Hooghly R.O., W.B.P.C.B.