

WEST BENGAL POLLUTION CONTROL BOARD

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

Consent Letter Number : **00106508**

Memo Number : **148-hl-co-2/16/0327**



Date : **23/02/2017**

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 :

M/s. INDIA POWER CORPORATION (HALDIA) LTD.

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

(hereinafter referred to as Applicant) for its unit located at **Vill: Kasbore, Haldia, P.O: Shibramnagar, P.S: Bhabanipur, Haldia, Dist: Purba Medinipur, PIN: 721635**

(Detailed address of the manufacturing unit)

for a period from **date of issue** to **30/11/2021**

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 put 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.



For and on behalf of the State Board

23.02.2017
(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Env. Engr.)

Senior Environmental Engineer
W.B. Pollution Control Board

ANNEXURE

Consent to **M/s. INDIA POWER CORPORATION (HALDIA) LTD**for its unit at **Vill: Kasbera, Haldia, Dist: Purba Medinipur, PIN: 721635**..... **P.O: Shibramnagar, P.S: Bhabanipur, Haldia,**Conditions :

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

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Electricity	150 MW
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. * (Zero discharge)
03. Daily discharge of industrial liquid effluent shall not exceed **N I L** KL.
04. Daily discharge of domestic liquid effluent shall not exceed **N I L** KL. "
05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed **N I L** KL. "
06. The Applicant shall discharge liquid effluent to **N A** (place of discharge) through **N A** 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.
- * **The unit shall maintain zero discharge. No process waste water shall be discharged out side the plant premises. If any excess water from guard pond is required to be discharged, it should be discharged in conformity with environmental standards mentioned in Table -- I.**

K. Manoj / 23.02.2017
(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Env. Engr.)

Senior Environmental Engineer
W.B. Pollution Control Board

P.O: Shibramnagar, P.S: Bhabanipur, Haldia

Table - I

[illegible]

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
(Water used for gardening should be included in this category of use) | → | 20667 | KL |
| ● Domestic purpose | → | 250 | KL |
| ● Processing whereby water gets polluted and the pollutants
are easily biodegradable | → | 4444 | KL |
| ● Processing whereby water gets polluted and the pollutants
are not easily biodegradable | → | 4444 | 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.)

Senior Environmental Engineer
W.B. Pollution Control Board

Continued.....

Consent to **M/s. INDIA POWER CORPORATION (HALDIA) LTD**for its unit at **Vill: Keshore, Haldia, Dist: Purba Medinipur, PIN: 721635**..... **P.O: Shibramnagar, P.S: Bhabanipur, Haldia,**

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 ³ /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed					Frequency of emission sampling
					SPM (mg/Nm ³)	CO (% v/v)	SO ₂ (mg/Nm ³)	NOX (mg/Nm ³)	Hg (mg/Nm ³)	
S-1	220	Boiler - 1 no			50	1	600	300	0.03	Quarterly
S-2	"	D.G. sets -- 2 Nos. (750 KVA each) (individual stack)				1	---	---	---	--- do ---
S-3										
S-4										
S-5										
S-6										
S-7										
S-8										
S-9										
S-10										

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

Senior Environmental Engineer

W.B. Pollution Control Board

Continued.....

Consent to M/s. INDIA POWER CORPORATION (HALDIA) LTD
 for its unit at Unit: Kasbari, Haldia, Dist: Purba Medinipur, PIN: 721635
P.O: Shibramnagar, P.S: Bhabanipur, Haldia

11. 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	Coal	56390 MT/month	Boiler
02	L D O	280 KL/month	Boiler
03	H S D	165 lit/hr	D.G. sets
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
Fly ash	18056 MT/month		to be disposed of as per MOEF guideline
Bottom ash	4444 MT/month		-- do --

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 10 p.m.)	75
Night Time (10 p.m. to 06 a.m.)	70

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.)

Senior Environmental Engineer
 W.B. Pollution Control Board

Continued.....

Consent to **M/s. INDIA POWER CORPORATION (HALDIA) LTD**
 for its unit at **W.I.Kashera, Haldia, Dist: Purba Medinipur, PIN: 721635**
 **P.O: Shibramnagar, P. S: Bhabanipur, Haldia**

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 applicant 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 alternation/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.

Additional Conditions

Please refer to annexure

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

Senior Environmental Engr.
 W.B. Pollution Control Board

[Signature] 23.02.2017

Annexure to Consent Sl. CO106508

Special conditions issued to:

M/s India Power Corporation (Haldia) Ltd.
Vill: Kasbere, Haldia, P.O.: Shibramnagar, P.S: Bhabanipur,
Dist: Purba Medinipur, Pin: 721635.

1. The unit should comply the conditions as stipulated in Consent to Establish issued vide memo no. 895-2N-123/2008 (E) dated 12/11/2014 and memo no. 147-hl-CO-r-16-0327 dated 22/02/2017.
2. The standards stipulated by the Ministry of Environment, Forest and Climate Change vide notification dated 07/12/2015 (as amended from time to time) for Thermal Power Plant shall be duly complied
3. The unit shall comply with the direction issued by the CPCB vide memo no. B-29016/04/06/PCI-I/5390 dated 05.02.2014 for upload online monitoring data etc.
4. The unit should comply with CREP recommendations for power plant.
5. Proper dust extraction, collection and dust suppression system shall be provided in Coal handling plant, ash handling plant and transfer points to control fugitive emission.
6. Unit must ensure 100% dry ash collection in silo.
7. ETP shall be operational before use of Coal for generation of power.
8. The unit shall maintain zero discharge. No process waste water shall be discharged outside the plant premises. If any excess water from guard pond is required to be discharged, it should be discharged in conformity with environmental standards for discharge of effluent from Thermal Power Plant.
9. The unit shall obtain Hazardous Waste Authorisation under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
10. The unit shall submit water cess return on monthly basis.
11. CFO may be revoked if any valid complaint is lodged against your unit regarding Environmental Pollution.



 23.02.2017
Sr. Environmental Engineer
WBPCB

Senior Environmental Engineer
W.B. Pollution Control Board