

WEST BENGAL POLLUTION CONTROL BOARD

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



Consent Letter Number : **CO107560**

Memo Number : **SOE - AS - CO - S / 10 / 0135** Expansion

Date : **28/06/2018**

Consent to Operate

under **Application no. CO00000000197599**

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. Brave Sponge Iron Pvt. Ltd.,

WEST BENGAL

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

(hereinafter referred to as Applicant) for its unit located at **Vill: Mahuda, P.O: Rukni, P.S: Para,**
Dist. Purulia, Pin - 723145.

(Detailed address of the manufacturing unit)

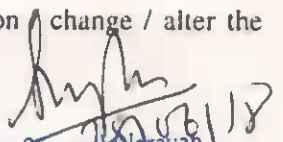
for a period from **the date of issue** to **31/12/2021**

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 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.




Dr. Somnath Narayan
Senior Environmental Engineer
Kankinara Circle Office
West Bengal Pollution Control Board

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

ANNEXURE

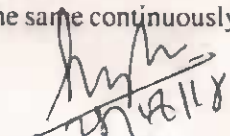
Consent to M/s. Bravo Sponge Iron Pvt. Ltd.,
 for its unit at Vill: Mahuda, P.O: Rukni, P.S: Para, Dist. Purulia, Pin - 723145.

Conditions :

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

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Sponge Iron(1x100 TPD Kiln)	3000 TPM.
02	Steel Billets(2x12T/heat Induction furnace)	7200 TPM.
03	Captive Power Plant	10 MW
04	(4x10 TPH WHRB+1X20 TPH AFBC Boiler)	
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 KL.
04. Daily discharge of domestic liquid effluent shall not exceed KL.
05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed KL.
06. The *Applicant* shall discharge liquid effluent to (place of discharge) through 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.


 Dr. Somnath Narayan
 Senior Environmental Engineer
 Kankhara Circle Office
 W.B. Pollution Control Board

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

Consent to **M/s. Brave Sponge Iron Pvt. Ltd.,**
 for its unit at **Vill: Mahuda, P.O: Rukni, P.S: Para, Dist. Purulia, Pin-723145.**

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 (See Annexure)

Stack No.	Stack height from G.I., (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)	
S-1							
S-2							
S-3							
S-4							
S-5							
S-6							
S-7							
S-8							
S-9							
S-10							

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

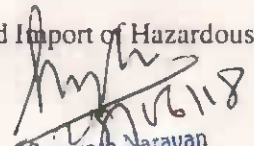
[Signature]
 Dr. Somnath Narayan
 Senior Environmental Engineer
 Karimnagar Circle Office
 W.B., Pollution Control Board

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Consent to M/s. Brave Sponge Iron Pvt. Ltd.,
 for its unit at Vill: Mahuda, P.O: Rukni, P.S: Para, Dist. Purulia, Pin-723145.

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, wastewater 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 quantity 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 accidental 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 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 - See Annexure.


 Dr. Somnath Narayan
 Senior Environmental Engineer
 Kankinara Circle Office
 W.B. Pollution Control Board
 (Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst.Env.Engr.)

Consent to **M/s. Bravo Sponge Iron Pvt. Ltd.,**
 for its unit at **Vill: Mahuda, P.O: Rukni, P.S: Para, Dist. Purulia, Pin-723145.**

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	-	DRI Kiln (1x100 TPD) and
02	-	-	AFBC Boiler (1x20 TPH).
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
Dolochar	448 TPM	-	Captive use.
Ash	-	-	to be sold to cement manufacture.

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_{ra}
Day Time (06 a.m. to 09 p.m.)	75
Night Time (09 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.)

Dr. Senmath Narayan
 Senior Environmental Engineer
 Kankana Circle Office
 W.B. Pollution Control Board

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WEST BENGAL POLLUTION CONTROL BOARD
 (Department of Environment, Government of West Bengal)
 Office of the Senior Environmental Engineer
 Kankinara Circle Office
 Kankinara (N), Pin - 743 126


Annexure to Consent to Operate Letter Number CO 107560 of M/s. Bravo Sponge Iron Pvt. Ltd located at the existing unit at Vill. Mahuda P.O.-Rukni, Dist. Purulia, PIN 722145
SPECIAL CONDITION

1. Conditions mentioned in the Environmental Clearance issued by MOEF Vide No. J. 11011/758/2009 - IA-II (I) dated 18/04/2017 must be complied with
2. Conditions mentioned in the Consent To Establish (NOC) issued by the State Board vide Memo No. 264 2N 117/2007(F) dated 09/06/ must be complied with.
3. FORM V for Environmental Statement and six monthly compliance report as per condition of Environmental Clearance must be submitted before due date.
4. Emission Standards as mentioned below must be complied with.

Table II

Sl No.	Stack height from GL (in mts.)	Stack attached to (Sources & control system, if any)	Volume Nm ³ /hr	Velocity of gaseous emission (m/sec)	Concentration of parameters not to exceed				Frequency of sampling
					SPM (mg./Nm ³)	CO (%v/v)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)	
S-1	45.0	AFBC Boiler(1x20TPH)	-	-	50 at 12% CO ₂	<1.0	600 at 6% O ₂	300 at 6% O ₂	Quarterly
S-2	30.0	4 th DRI Kiln(1x100TPD)	-	-	50 at 12% CO ₂	<1.0	-----	-----	
S-3	30.0	Cooler Discharge	-	-	50.0	-	-	-	
S-4	30.0	Intermediate Bin	-	-	50.0	-	-	-	
S-5	30.0	Product House	-	-	50.0	-	-	-	
S-6	30.0	Coal Ground Hopper	-	-	50.0	-	-	-	
S-7	30.0	Iron Ground Hopper	-	-	50.0	-	-	-	
S-8	30.0	Induction Furnace(2x12T/Heat each)	-	-	50.0	-	-	-	

5. This Consent to Operate for operation may be revoked at any time for non compliance of the Environmental Statutes.

for and on behalf of the Board

 Dr. Somnath Narayan
 Senior Environmental Engineer
 Kankinara Circle Office
 W.B., Pollution Control Board