

# WEST BENGAL POLLUTION CONTROL BOARD

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



apply for renewal of  
consent 60 (Sixty) days  
before expiry

Consent Letter Number : **C0110195**

Memo Number : **2350 -WPBA/Red(Bwn)/Cont(327)/02**

Date : **31/12/18**

## 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. Shyam Sel & Power Ltd.**

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

(hereinafter referred to as Applicant) for its unit located at **G-6, Mangalpur Industrial Estate,**

**P.O.+P.S. Raniganj, Dist- Paschim Bardhaman, pin-713347**

(Detailed address of the manufacturing unit)

for a period from

**Upto 31-12-2023**  
to

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.



For and on behalf of the State Board

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

## ANNEXURE

Consent to M /S. Shyam SBI & Power Ltd.for its unit at G-6, Mangalpur Industrial Estate, P.O. +P.S. Raniganj,Dist- Paschim Bardhaman, , Pin-713347**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>Captive Power</b>	<b>30 MW</b>
02	<b>Ferre Manganese</b>	<b>22800 MT/Year</b>
03	<b>Ferre Silicon</b>	<b>10800 MT/Year</b>
04	<b>Liquid Steel (Billet)</b>	<b>804 MT/Year</b>
05	<b>Silico Manganese</b>	<b>22800 MT/Year</b>
06	<b>Sponge Iron</b>	<b>60000 MT/Year</b>
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 NIL ..... KL.04. **Daily** discharge of domestic liquid effluent shall not exceed 5.0 ..... KL.05. **Daily** discharge of mixed (industrial & domestic) liquid effluent shall not exceed NIL ..... KL.06. The *Applicant* shall discharge liquid effluent to DRAIN .....(place of discharge) through one (01) .....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.)

Continued.....

(3)

Consent to **M/S . Shyam Sel & Power Ltd.**  
for its unit at **G-6, Mangalpur Industrial Estate, R.O.+ P.S. Raniganj.**  
**Dist- Paschim Bardhaman, Pin-713347**


Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
01	Domestic	pH	Between : 5.5 to 9.0	Yearly
		Total Suspended Solids	Not to exceed : 100 mg/l.	
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed : 30 mg/l.	
		Chemical Oxygen Demand	Not to exceed : 250 mg/l.	
		Oil & Grease	Not to exceed : 10 mg/l.	

09. The Applicant falls in the **Red** 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 → 1150 K.L  
(Water used for gardening should be included in this category of use)
  - Domestic purpose → 25 K.L
  - Processing whereby water gets polluted and the pollutants are easily biodegradable → NIL K.L
  - Processing whereby water gets polluted and the pollutants are not easily biodegradable → NIL K.L

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.)

Consent to M/S. Shyam Sel & Power Ltd.  
 for its unit at C-6, Mangalpur Industrial Estate, P.O. +P.S. RANIGANJ,  
Dist- Paschim Bardhaman, Pin-713347

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									
S-2									
S-3		<b>Please see Annexure- A</b>							
S-4									
S-5									
S-6									
S-7									
S-8									
S-9									
S-10									

✓ 31/12/18

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

Continued.....

(5)

Consent to **M/S Shyam Sel & Power Ltd.**

for its unit at **G-6, MANGALPUR INDUSTRIAL ESTATE, P.O. + P.S. Raniganj,**

**Dist- Paschim Bardhaman, Pin-713347**

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	Coal	280 MT/day	Rotary Kiln (03 nos.)
02	Coal & Char	2000 MT/month	AFBC Boiler (02 nos.)
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
Please see	Annexure- 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 <del>09</del> <sup>10</sup> p.m.)	65
Night Time ( <del>09</del> <sup>10</sup> p.m. to 06 a.m.)	55

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.)

Continued.....

Consent to **M/S. Shyam Sel & Power Ltd.**  
 for its unit at **G-6, Mangalpur Industrial Estate, P.O. + P.S. Raniganj,**  
**Dist- Paschim Bardhaman, Pin-713347**

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 **5Years**..... 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 *Application* 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 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 see Annexure- C.**

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

Consent Letter Sl. No.: 20110195

WEST BENGAL POLLUTION CONTROL BOARD  
Paribesh Bhawan; Bldg. No.-10A, Block – L.A., Sector – III  
Salt Lake City, Kolkata – 700 106

Name of the Unit: M/s Shyam Sel & Power Ltd.

Located at G-6, Mangalpur Industrial Estate, P. O. & P. S. – Raniganj, Dist. – Paschim Bardhaman, Pin – 713347

ANNEXURE – 'A'

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 to the Standard as given in Table – II below:

Sl. No.	Stack height from GL (Meters)	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)	
1.	45.0	Rotary Kilns (3 X 100 TPD)	-----	-----	100	1	Quarterly
2.	40.0	SEAF – 1	-----	-----	100	1	Quarterly
3.	40.0	SEAF – 2	-----	-----	100	1	Quarterly
4.	30.0	Cooler Discharge	-----	-----	100	-----	Quarterly
5.	30.0	Intermediate Bin	-----	-----	100	-----	Quarterly
6.	30.0	Product House	-----	-----	100	-----	Quarterly
7.	30.0	Raw Material Handling	-----	-----	100	-----	Quarterly
8.	54.0	AFBC Boiler – 1 (51 TPH)	-----	-----	150	1	Quarterly
9.	54.0	AFBC Boiler – 2 (54 TPH)	-----	-----	150	1	Quarterly
10.	15.0	DG Set – 1 (380 KVA)	-----	-----	150	1	Quarterly
11.	7.0	DG Set – 2 (380 KVA)	-----	-----	150	1	Quarterly
12.	7.0	DG Set – 3 (380 KVA)	-----	-----	150	1	Quarterly
13.	7.0	DG Set – 4 (500 KVA)	-----	-----	150	1	Quarterly
14.	7.0	DG Set – 5 (500 KVA)	-----	-----	150	1	Quarterly
15.	7.0	DG Set – 6 (500 KVA)	-----	-----	150	1	Quarterly

For and on behalf of the Board

  
Environmental Engineer  
Asansol Regional Office, WBPCB

Consent Letter Sl. No.: 20110195

WEST BENGAL POLLUTION CONTROL BOARD  
Paribesh Bhawan; Bldg. No.-10A, Block - L.A., Sector - III  
Salt Lake City, Kolkata - 700 106

Name of the Unit: **M/s Shyam Sel & Power Ltd.**

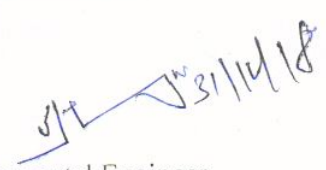
Located at G-6, Mangalpur Industrial Estate, P. O. & P. S. - Raniganj, Dist. - Paschim Bardhaman, Pin - 713347

ANNEXURE - 'B'

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

Sl. No.	Type of waste	Quantity (MT / month)	Treatment	Disposal
1.	Fly Ash	1040	-----	Brick making and land filling
2.	Scrap	20	-----	Captive consumption
3.	Slag	570	-----	Cement Plant and land filling
7.	Dolochar	1500	-----	Reused in Captive Power

For and on behalf of the Board

  
Environmental Engineer  
Asansol Regional Office, WBPCB



ANNEXURE – 'C'

Consent Letter Sl. No.: .....*20110195*.....

WEST BENGAL POLLUTION CONTROL BOARD  
Paribesh Bhawan; Bldg. No.-10A, Block – L.A., Sector – III  
Salt Lake City, Kolkata – 700 106

Name of the Unit: **M/s Shyam Sel & Power Ltd.**  
Located at G-6, Mangalpur Industrial Estate, P. O. & P. S. – Raniganj, Dist. – Paschim  
Bardhaman, Pin – 713347

ADDITIONAL CONDITIONS

1. Proper & effective steps should be taken so as to ensure that manufacturing activities do not affect the residents of the neighbourhood in any way.
2. The unit will have to take pollution control measures regarding air, water and noise to keep the parameters within the permissible limit as laid down by WBPCB.
3. This consent shall be revoked at any time on the valid ground of any public complaint (for violation of Environmental Acts) against the unit regarding air, water pollution and any other environmental hazards caused by the unit.
4. Solid waste should be disposed off in an environment friendly manner.
5. No additional machinery / equipment can be installed without permission from the State Board.
6. No nuisance should be caused to the neighbourhood residence due to activity of the unit.
7. The unit should obtain permission for the six nos. of DG sets (3 X 380 KVA & 3 X 500 KVA) from the Directorate of Electricity as per 47A rule of Indian Electricity Rules 1956 & submit a copy of the same to the State Board accordingly.
8. The unit should comply with the provision of GSR 371 (E) dated 17.05.2002 issued by Ministry of Environment and Forest, Govt. of India.
9. The unit should comply with the sixteen-point direction issued by the State Board vide memo no. 1044 – 4 / WPB / CE – II / GEN / 2008 dated 01.06.2012.
10. The unit should obtain Hazardous Waste Authorisation under the provision of Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 and submit the copy of same to the State Board accordingly.

For and on behalf of the Board

*[Signature]*  
Environmental Engineer  
Asansol Regional Office, WBPCB