



**WEST BENGAL POLLUTION CONTROL BOARD**  
(Department of Environment, Govt. of West Bengal)  
Asansol Regional Office, ADDA Commercial Market (2<sup>nd</sup> Floor)  
Opp. Asansol Fire Station, G. T. Road, Asansol - 713301  
Ph. & Fax # (0341) 2305407 / 08

Memo No.: 2050 / WPBA / Red (Bwn) / Cont (669) / 10 (Part - IV)

Date: 05/10/2018

To  
M/s Shyam Sel & Power Ltd.  
Vill - Dhasna, P. O. - Bahadurpur  
P. S. - Jamuria, Dist. - Paschim Bardhaman, Pin - 713362

Sub.: Amendment of Consent Letters

Ref.: This Office Consent Letter No. C0110131 vide Memo No.: 1682 / WPBA / Red (Bwn) / Cont (669) / 10 (Part - IV) dated 24.07.2018

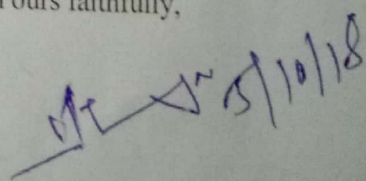
Sir,

The State Board hereby amends the above referred Consent Letter that the following products is to be enhanced / modified as given below in favour of **M/s Shyam Sel & Power Ltd.**, situated at the above-mentioned location, with the all terms and conditions of the above referred Consent Letters unchanged.

Details of Product is given below:

Sl. No.	Product Name	Production Capacity as per NOC (in TPM)	Production Capacity obtained as per Consent (in TPM)	Production Capacity to be enhanced (in TPM)	Total Production Capacity (in TPM)
01.	Sponge Iron	4950 + 6000 + 18000	4950 + 6000 + 16200	1800	4950 + 6000 + 18000 = 28950
02.	Ferro Manganese	6000	2700	1800	4500
03.	Silico Manganese	600	460	140	600
04.	MS Billets	10800 + 9000 + 9000	10800 + 9000 + 6000	3000	10800 + 9000 + 9000 = 28800
05.	TMT (Rolling Mill)	70000	4584	4000	8584

Yours faithfully,

  
Environmental Engineer  
Asansol Regional Office



# WEST BENGAL POLLUTION CONTROL BOARD

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



Consent Letter Number : **CO110131**

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

Memo Number : **1682 -WPBA/Red(Bwn)Cont(609)/10**

Date : **24-7-18**

## 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 **Vill-Dhasna, P.O. Bahadurpur,**  
**P.S. Jamuria, Dist-Paschim Bardhaman**

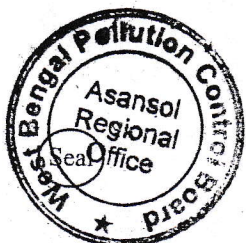
(Detailed address of the manufacturing unit)

for a period from ..... **upto 31-07-2023** 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 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 Sel & Power Ltd.for its unit at Vill-Dhasna, P.O. Bahadurpur, P.S. Jamuria,Dist - Paschim BardhamanConditions :

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

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01		
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 989 KL.
04. Daily discharge of domestic liquid effluent shall not exceed 96 KL.
05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed NIL KL.
06. The Applicant shall discharge liquid effluent to CT Basin / Soak Pit (place of discharge) through Two (02) 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.)



it to

its unit at

**Dist- Paschim Bardhaman**

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.

- 16 **Daily** water consumption for the following purposes should not exceed :-

- |  |   |      |    |
|--|---|------|----|
| ● Industrial cooling, spraying in mine pits and boiler feed water<br>(Water used for gardening should be included in this category of use) | → | 5670 | KL |
| ● Domestic purpose   | → | 200  | KL |
| ● Processing whereby water gets polluted and the pollutants<br>are easily biodegradable  | → | NIL  | KL |
| ● Processing whereby water gets polluted and the pollutants<br>are not easily biodegradable  | → | NIL  | 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.)

Continued.....



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

for its unit at Vill-Dhasna, P.O. Bahadurpur, P.S. Jamuria,  
Dist-Paschim Bardhaman

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.I., (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									
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.)



(5)

Consent to **M/s. Shyam Sel & Power Ltd.**  
 for its unit at **Vill- Dhasna, P.O. Bahadurpur, P.S. Jamuria,**  
**Dist-Paschim Bardhaman**

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			
02		ANNEXURE -C	
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
		ANNEXURE -D	

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 09 p.m.)	65
Night Time (09 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 **Vill-Dhasna, P.O. Bahadurpur, P.S. Jamuria,**

**Dist-Paschim Bardhaman**

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 *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-E**



ANNEXURE - 'A'

Consent Letter Sl. No.: CO110131

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

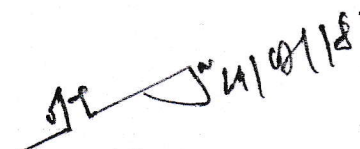
Name of the Unit: **M/s Shyam Sel & Power Ltd.**

Located at Vill - Dhasna, P. O. - Bahadurpur, P. S. - Jamuria, **Dist.** - Paschim Bardhaman, Pin - 713362

This Consent is valid for the manufacture of :-

Sl. No.	Name of major products and by-products	Quantity manufactured per month
1.	Captive Power	64 MW
2.	Ferro Manganese / Pig Iron	2700 MT / Month
3.	Iron Ore Pallet	50000 MT / Month
4.	M. S. Billet	25800 MT / Month
5.	Rolling Mill	4584 MT / Month
6.	Silico Manganese	460 MT / Month
7.	Sponge Iron	27150 MT / Month
8.	Structural	4000 MT / Month

For and on behalf of the Board

  
Environmental Engineer  
Asansol Regional Office, WBPCB



# **ANNEXURE - 'B'**

Consent Letter Sl. No.: **CO110131**

**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 Vill - Dhasna, P. O. - Bahadurpur, P. S. - Jamuria, **Dist.** - Paschim Bardhaman, Pin - 713362

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 (1 & 2)	-----	-----	50	1	Quarterly
2.	45.0	Rotary Kilns (3 & 4)	-----	-----	50	1	Quarterly
3.	63.0	Rotary Kilns (5 & 6)	-----	-----	50	1	Quarterly
4.	30.0	Induction Furnace (1, 2, 3 & 4)	-----	-----	50	---	Quarterly
5.	30.0	Induction Furnace (5, 6, 7 & 8)	-----	-----	50	-----	Quarterly
6.	65.0	AFBC Boiler	-----	-----	50	1	Quarterly
7.	90.0	CFBC Boiler	-----	-----	50	1	Quarterly
8.	45.0	WHRB (1 & 2)	-----	-----	50	-----	Quarterly
9.	45.0	WHRB (3 & 4)	-----	-----	50	-----	Quarterly
10.	63.0	WHRB (5 & 6)	-----	-----	50	-----	Quarterly
11.	30.0	Product Silo	-----	-----	50	-----	Quarterly
12.	30.0	Cooler Discharge - 1	-----	-----	50	-----	Quarterly
13.	30.0	Cooler Discharge - 2	-----	-----	50	-----	Quarterly
14.	53.0	Travel Grate	-----	-----	50	-----	Quarterly
15.	30.0	Product Separation Building- 1	-----	-----	50	-----	Quarterly
16.	30.0	Product Separation Building- 2	-----	-----	50	-----	Quarterly
17.	40.0	SEAF - 1	-----	-----	50	1	Quarterly
18.	40.0	SEAF - 2	-----	-----	50	1	Quarterly
19.	40.0	SEAF - 3	-----	-----	50	1	Quarterly
20.	40.0	SEAF - 4 & 5	-----	-----	50	1	Quarterly
21.	53.0	Pallet Rotary Kiln - 1	-----	-----	50	1	Quarterly
22.	53.0	Pallet Rotary Kiln - 2	-----	-----	50	1	Quarterly
23.	30.0	Char Stock Bunker	-----	-----	50	-----	Quarterly
24.	30.0	Dispatch Bin	-----	-----	50	-----	Quarterly
25.	50.0	PCI	-----	-----	50	-----	Quarterly

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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)	
26.	30.0	Rolling Mill	-----	-----	150	-----	Quarterly
27.	30.0	Structural Mill	-----	-----	150	-----	Quarterly
28.	30.0	Transfer House	-----	-----	50	-----	Quarterly
29.	15.0	DG Set (250 KVA)	-----	-----	150	1	Quarterly
30.	7.0	DG Set (750 KVA)	-----	-----	150	1	Quarterly
31.	7.0	DG Set (500 KVA)	-----	-----	150	1	Quarterly
32.	7.0	DG Set (1000 KVA)	-----	-----	150	1	Quarterly

For and on behalf of the Board

*[Handwritten Signature]*

Environmental Engineer  
Asansol Regional Office, WBPCB



ANNEXURE - 'C'

Consent Letter Sl. No.: Col110131

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 Vill - Dhasna, P. O. - Bahadurpur, P. S. - Jamuria, Dist. - Paschim Bardhaman. Pin - 713362

The Applicant shall observe the following fuel consumption pattern:

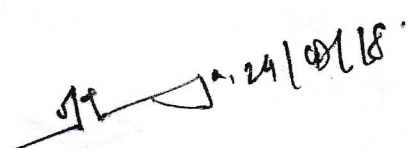
Sl. No.	Type of Fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
1.	FO	240 KL	Travel Grate, Pallet Rotary Kiln & PCI
2.	Coal	1220 MT	Rotary Kilns & Pallet Rotary Kiln
3.	PGP Gas	5000 Nm <sup>3</sup> / Hour	Rolling Mill & Structural Mill
4.	Coal & Dolochar	1316 MT	AFBC Boiler & CFBC Boiler

ANNEXURE - 'D'

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.	Total Ash	12800	-----	ECL / OCP abundant pit
2.	Metal Rod, Sheets, Screen, Rejected materials	50	-----	Recycle through charging furnace
3.	Slag	7480	-----	Recycling by slag separation & reuse in furnace
4.	Iron Fines Fe (T) - 57%	70	-----	Recycle by pneumatic system & mix with filter cake in process
5.	Si-Mn Slag	60	-----	Road filling
6.	Fe-Mn Slag	50	-----	Manufacturing of Si-Mn Alloy
7.	Dolochar	5470	-----	Reused

For and on behalf of the Board

  
Environmental Engineer  
Asansol Regional Office, WBPCB



ANNEXURE - 'E'

Consent Letter Sl. No.: CO110131 .....

**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 Vill - Dhasna, P. O. - Bahadurpur, P. S. - Jamuria, Dist. - Paschim Bardhaman, Pin - 713362

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 four (04) DG sets of 250 KVA, 750 KVA, 1000 KVA and 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.
11. The unit should ensure the continuous operation of the pollution control devices to reduce the secondary emission (fugitive emission) generated due to loading, unloading and vehicular movement.
12. The unit should ensure the storage of all materials under the closed and cover shed to prevent the spreading of dust.
13. The unit should plant more trees for betterment of environment.
14. The unit should ensure that no untreated water is discharged directly to Singarron Nullah.
15. The unit should give more thrust on tree plantation in the Southern and the Eastern periphery toward the Dhasna village. It will act as natural barrier and protect from spreading of dust towards Dhasna village.
16. Regular maintenance of all sort of Air Pollution Control (APC) devices should be taken care of.

For and on behalf of the Board

  
Environmental Engineer

Asansol Regional Office, WBPCB