

WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'

Bldg. No. - 10A, Block - LA, Sector-III

Salt Lake City, Kolkata-700 098



Consent Letter Number : CO113780

Memo Number : 48-KA-CO-S/12/0013

Date : 05/09/2019

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. Metal & Steel Factory (Enhance factory, Ministry
of Defence) Govt. of India (Address of Regd. office/Head/Office/City Office)

(hereinafter referred to as Applicant) for its unit located at Ghoshpara Road, Ichhapur,
P.O. - Nawabganj, P.S. - Alkapura, Dist. - 24 Parganas(N),
Pin - 743144.

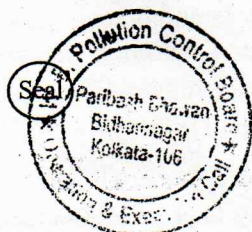
(Detailed address of the manufacturing unit)

for a period from the date of issue 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.



For and on behalf of the State Board

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

Hardi
05/09/19
Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

(2)

ANNEXURE

Consent to M/s. Metal & Steel Factory (Ordnance Factory, Ministry of Defence),
Govt. of India
 for its unit at Ghoshpara Road, Tehhapor, P.O. - Newabganj,
P.S. - Aloapara, Dist - 24 Parganas (N), Pin - 743114.

Conditions :

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

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Steel Rods & Bar	145 Ton/Month
02	High Caliber Barrel	225 Ton/Month
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 KL.

04. Daily discharge of domestic liquid effluent shall not exceed KL.

05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed 4411 KL.

06. The Applicant shall discharge liquid effluent to River Hooghly (place of discharge)
 through 01 (one) 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.)

Mardi
 05/09/19
 Environmental Engineer
 W. B. Pollution Control Board
 Operation & Execution Cell

CO113780

(3)
Consent to M/s. Metal & Steel Factory (Ordinance Factory, Ministry of Defence,
Govt. of India,
for its unit at Ghoshpara Road, Dehpara, P.O. - Nawabganj, P.S. - Moapara
Dist - 24 Parganas (N), Pin - 743114.

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
01	Mix (Main ETP Outlet)	pH	Between: 5.5 to 9.0	Half 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.	
		Iron	Not to exceed: 3 mg/l	
02	Industrial (Phosphating Plant)	Oil & Grease	Not to exceed: 10 mg/l	
		TSS	" : 100 mg/l	
		Total Metal	" : 10 mg/l	
		CN	" : 0.2 mg/l	
		Zn	" : 5 mg/l	
		Phosphates as P	" : 5 mg/l	
		Sulphate as SO ₄	" : 400 mg/l	
		Fluoride as F	" : 15 mg/l	
		Amonical Nitrogen as N	" : 50 mg/l	
		Hexavalent Chromium	" : 0.1 mg/l	
		Total Chromium	" : 2 mg/l	

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 → 3717KL
(Water used for gardening should be included in this category of use)
- Domestic purpose → 1184KL
- Processing whereby water gets polluted and the pollutants are easily biodegradable →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.)

W. B. Pollution Control Board
Operation & Execution Cell

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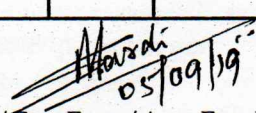
(4)

Consent to M/S. Metal & Steel Factory (Ordnance Factory, Ministry of Defence)
 for its unit at Ghoshpara Road, Dehkhapur, P.O. - Nawabganj,
P.S. - Noapara, Dist. - 24 Parganas (N), Pin - 743114

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 $\text{Nm}^3/\text{hr.}$	Velocity of gas emission m/sec	Concentrations of parameters not to exceed			Frequency of emission sampling
					SPM (mg/Nm ³)	CO (%v/v)		
S-I								
S-2		As per Annexure I						
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.)
 Environmental Engineer
 W. B. Pollution Control Board
 Operation & Execution Cell

CO 113780

(5)

Consent to M/S. Metal & Steel Factory (Ordnance Factory, Ministry of Defence),
Govt. of India
 for its unit at Ghoshpara Road, Dehnapur, P.O. - Nawabganj, P.S. - Noapara,
Dist- 24 Parganas (N), Pin- 743144

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	F.O.	305 KL/Month	Boiler (2x10 TPH) & Reheating Furnace (2 nos.)
02	HSD	124 KL/Month	Reheating Furnace (2 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
See Annexure - II attached herewith.			

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.)	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.)

Environmental Engineer
 W. B. Pollution Control Board
 Operation & Execution Cell

Handwritten signature and date: 05/09/19

Continued.....

Consent to M/s. Metal & Steel Factory (Ordnance Factory, Ministry of Defence), Govt. of India
 for its unit at G. hashpara Road, Dehpara, P.O. - Namabganj, P.S. - Noapara,
Dist- 24 Parganas (N), Pin- 743144.

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 See Annexure.

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

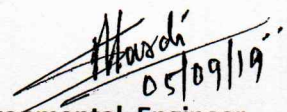
Environmental Engineer
 W. B. Pollution Control Board
 Operation & Execution Cell

M. H. S. D. S.
 05/09/19

Annexure to Consent Letter Number – CO113780

Additional Conditions issued to M/s. Metal & Steel Factory, Ishapore(Ordnance Factory, Ministry of Defence) Govt. of India. Ghoshpara Road, Ichhapur, P.O-Nawabganj, P.S-Noapara, Dist-North 24 Parganas, PIN-743144.

1. The unit shall abide by all other condition as mentioned in NOC issued vide memo no.888/10/12/WPB/BR/P(IV)/1986(Pt-1) dated 30.06.2015 in favour of the expansion unit.
2. The unit should obtain all the statutory licenses as applicable from other concerned Govt. Department.
3. This Consent letter may be revoked at any time on the ground of valid public complaint regarding Water, Air or Noise Pollution against your unit or in case of any Environment Hazards created by your unit.
4. The unit shall develop tree plantation/greeneries as per NOC condition during monsoon season and submit compliance report.
5. This Certificate is valid for Gross Capital Investment of Rs.373,67,18,118/- only.


05/09/19
Environmental Engineer
West Bengal Pollution Control Board
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W. B. Pollution Control Board
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Annexure – I

Annexure to Consent Letter Number – CO113780
Additional Conditions Issued to M/s. Metal & Steel Factory, Ishapore (Ordnance Factory, Ministry of Defence) Govt. of India.
Ghoshpara Road, Ichhapur, P.O-Nawabganj, P.S-Noapara, Dist-North 24 Parganas, PIN-743144.

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	Concentration of parameters not to exceed				Frequency of emission sampling
					PM (mg/Nm ³)	CO (% v/v)			
S-1	30.0	Electrically heated Ladle Furnace- (18 Ton)- 1 no.	-	-	150	-			Half yearly
S-2	30.0	Arc Furnace (10 Ton)-1 no.(with bag filter)	-	-	150	-			-do-
S-3	30.0	Arc Furnace (2 Ton)-1 no.(with bag filter)	-	-	150	-			-do-
S-4	40.0	Arc Furnace (20 Ton)-1 no.(with bag filter) installed in place of 15 Ton	-	-	150	-			-do-
S-5	30.0	F.O. fired reheating furnace (5 Ton)-1 no.	-	-	150	-			-do-
S-6	30.0	F.O. fired reheating furnace (5 Ton)-1 no.	-	-	150	-			-do-
S-7	30.0	H.S.D/F.O. fired reheating furnace (35Ton)-1 no. replacing with same capacity	-	-	150	-			-do-
S-8	30.0	F.O. fired reheating furnace (10 Ton)-1 no.	-	-	150	-			-do-
S-9	30.0	F.O. fired reheating furnace (1 Ton)-1 no.	-	-	150	-			-do-
S-10	35.0	HSD fired reheating furnace (6 Ton)- 1 nos.	-	-	150	<1%			-do-
S-11	35.0	HSD fired reheating furnace (50 Ton)- 3 nos.	-	-	150	< 1%			-do-
S-12	30.0	F.O. fired Boiler(10 TPH)- 1 no.	-	-	150	-			-do-
S-13	30.0	F.O. fired Boiler(10 TPH)- 1 no.	-	-	150	-			-do-
S-14	15.0	Automatic pickling & Phosphating plant furnace	-	-	150	-			-do-

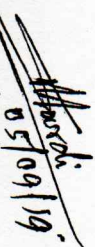
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Environmental Engineer
West Bengal Pollution Control Board
Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

Annexure – II

Annexure to Consent Letter Number – CO113780
Additional Conditions issued to M/s. Metal & Steel Factory, Ishapore(Ordinance Factory, Ministry of Defence) Govt. of India.
Ghoshpara Road, Ichhapur, P.O-Nawabganj, P.S-Noapara, Dist-North 24 Parganas, PIN-743144.

Type of waste	Quantity	Treatment	Disposal
Metal Scrap & skul	29 MT/month	-	Sale
Waste refractory bricks and similar waste	125 MT/month	-	To be disposed off as per the Hazardous Waste(Management, Handling & Transboundary Movement) Rules, 2008 & amendments made thereafter.
ETP sludge	0.15 MT/month	-	To be disposed off to the Common Hazardous Waste Treatment, Storage & Disposal facility at Haldia.
Dust from Air Pollution Contrl Device	1.29 MT/month	-	To be disposed off as per the Hazardous Waste(Management, Handling & Transboundary Movement) Rules, 2008 & amendments made thereafter.


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