



R K Mishra <rk.mishra@shakambharigroup.in>

Submission of Environment Statement (Form-V) for FY: 2021-22 of M/S SPS Steels Rolling Mills Limited, Durgapur, Dist-Paschim Bardhaman (WB)

1 message

R K Mishra <rk.mishra@shakambharigroup.in>

Tue, Nov 1, 2022 at 9:54 PM

To: arupdey@wbpcb.gov.in

Cc: Sanjeev Kumar Sachan <sanjeev.sachan@shakambharigroup.in>, Vikrant Ranjan <vikrant.ranjan@shakambharigroup.in>

Dear Sir,

With reference to the subject we are submitting attached herewith the Environment Statement (Form-V) for the financial year ending with 31st March, 2022 of M/S SPS Steels Rolling Mills Limited, Dr. Zakir Hussain Avenue, G.T. Road (Indo American More), Durgapur, Dist-Paschim Bardhaman-713206 (WB) for your kind consideration.

Kindly acknowledge our submission.

With regards,

Yours faithfully,

for **SPS Steels Rolling Mills Limited**

R. K. Mishra
DGM-EHS

**SPS_Env. Statement_FY-2021-22.pdf**
7912K

Ref.: SPS/ES/2021-22

Date: 28th October, 2022

The Environmental Engineer,
Shahid Khudiram Sarani,
City Center, Durgapur (WB)-713216

Sub: Environment Statement (FY: 2021-2022) of M/s SPS Steels Rolling Mills Limited, Dr. Zakir Hussain Avenue, G. T. Road (Indo American More), Durgapur, Dist- Paschim Bardhaman-713206 (WB)

Dear Sir,

Please find enclosed herewith the Environment Statement (Form-V) for financial year ending the 31st March, 2022 of M/s SPS Steels Rolling Mills Limited, Dr. Zakir Hussain Avenue, G. T. Road (Indo American More), Durgapur, Dist- Paschim Bardhaman -713206 (WB) for your kind consideration.

Kindly acknowledge our submission

Thanking you,

Yours faithfully,

for **SPS Steels Rolling Mills Limited**
(Authorized Signatory)Encl: As above.

FORM – V
ENVIRONMENTAL STATEMENT
(See rule 14)

Environmental Statement for the financial year 2021-2022 ending with 31st March

PART-A

i. Name and address of the owner/occupier of the industry operation or process

Mr. Deepak Kumar Agarwal
SPS Steels Rolling Mills Limited,
Dr. Zakir Hussain Avenue,
G. T. Road (Indo American More), Durgapur,
Dist- Paschim Burdwan-713206 (WB)

ii. Industry category Primary – Large Secondary – Red

iii. Production category – Iron & Steel

iv. Year of establishment – (Our Group has acquired this establishment in April 2019)

v. Date of the last environmental statement submitted – 26.05.2021

PART – B

Water and Raw Material Consumption:

i. Water consumption in m³/day

Process: -
Cooling: 715 m³/d
Domestic: 25 m³/d

Name of Products	Process water consumption (m ³) per unit of products	
	During the previous financial year (2020-21)	During the current financial year (2021-22)
Sponge Iron	0.18 m ³ /T	0.28 m ³ /T
Billet	0.72 m ³ /T	0.70 m ³ /T
TMT Bar + Wire Rod	0.32 m ³ /T	0.35 m ³ /T



ii. Raw material consumption

Name of raw materials*	Name of Products	Consumption of raw material per unit of output (Kg/T)	
		During the previous financial year (2020-21)	During the current financial year (2021-22)
DRI Division			
Iron Ore	Sponge Iron	706.42	291
Iron Ore Pellet		884.18	1198
Coal		853.96	1044
Dolomite		-	33
SMS Division			
Sponge Iron	MS Billet	824.77	162
Pig Iron		161.96	794
Scrap		153.82	211
Ferro Shots		23.10	-
Rolling Mill Division			
MS Billet	TMT Bar & Wire Rod	1064.11	1048

* Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART-C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (Kg/day)	Concentration of Pollutants discharged (mg/Nm ³)	Percentage of variation from Prescribed standards with reasons
a) Water	0	0	No Industrial Waste water discharge outside the factory premises
b) Air			
DRI (2x40TPD)	19.6	45.44	Below prescribed standards (monitoring reports attached)
DRI (1x100 TPD)	20.4	40.21	
Cooler Discharge	4.6	22.81	
Product House	7.5	31.14	
Reheating Furnace	5.8	14.92	



PART – D

(As specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (MT)	
	During the current financial year (2021-22)	
From Process	0.600	Copy of Annual Return Form-4 attached
Used Oil from Operation/Maintenance		
Cotton waste from cleaning/mopping		
From Pollution Control Facilities	NIL	

PART – E

Solid Wastes	Total Quantity (MT)	
	During the previous financial year (2020-21)	During the current financial year (2021-22)
a) From Process	33540	32036
b) Form pollution control facility	11911	9908
c)		
(i) Quantity recycled or re-utilized within the unit	6098	5016
(ii) Disposed	21804	16557
(iii) Sold/given to end users	17549	20371

PART – F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Solid waste Type	Quantity (TPA)	Disposal System
Dolochar	16791	Being Sold to CPP units for power generation
ESP Dust from DRI	5907	Used for land filling
BF flue Dust from DRI	3580	Provided to CPP & Pellet making unit
IF Slag	10229	Used for Road Construction and Land filling
BF dust from Induction Furnace	421	Used for land filling
End cuts, Mis-roll from RMD & SMS	3879	Reused in SMS



PART – G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

List of Environmental Management Programme (EMPs) are given below-

Description	Expenditure for Pollution Control measures on Conservation of Natural Resources (Rs. in lakhs)
Total Cost towards Air Pollution Control Measures, Environmental Monitoring, EHS Management & training, Green Belt Development (Plantation & Plants Maintenance), etc.	38.00

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution.

Already included in Part G.

PART – I

MISCELLANEOUS

Any other particulars in respect of environmental protection and abatement of pollution.

- (1) We are complying all the directions given by the WBPCB, and getting regular Water & Air consents.
- (2) Periodic Environmental Monitoring being done by NABL accredited laboratory to evaluate the environmental status of the plant and surroundings.

Enclosure List:

- 1) Copy of Consent to Operate.
- 2) Copies of Env. Monitoring Report.
- 3) Copy of Form-4



WEST BENGAL POLLUTION CONTROL BOARD

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

(Orange/Green Category Unit)



CO114837

Memo Number: 1749/dy-co-0/10/0734.

Date: 17/05/2018.

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: SPS Steels Rolling Mills Ltd.

(hereinafter referred to as Applicant) for its unit located at Dr. Zakir Hussain Avenue, P.O. - ABL, P.S. - Durgapur, Paschim Bardhaman - 713206

(Detailed address of the manufacturing unit)

for a period from date of issue to 2.8.2022 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 below 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 this consent letter and as specified in the Environmental (Protection) Act, 1986.

Breach of the conditions and/or failure to comply with the directions as mentioned below 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.

Conditions:

01. This Consent is valid for the manufacture of

Sl. No.	Name of major products and by-products	Quantity produced per month	Sl. No.	Name of major products and by-products	Quantity produced per month
01.	TMT Rod	38000MT	03.		
02.			04.		

02. The Applicant shall observe the following fuel consumption pattern.

Sl. No.	Type of fuel	Quantity per day	Sl. No.	Type of fuel	Quantity per day	Sl. No.	Type of fuel	Quantity per day
01.	F.O	360000lit per month	02.	CBM	380000 m3 per month	03.		

03. The Applicant falls in the cess paying category of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and shall comply with the provisions of said Act. and Rules and 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.

04. 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)	Domestic purpose	Processing whereby water gets polluted and the pollutants are easily biodegradable	Processing whereby water gets polluted and the pollutants are not easily biodegradable
590KL	32KL		

05. Daily discharge of effluent shall not exceed

	Industrial liquid effluent	Domestic liquid effluent	Mixed (industrial & domestic) liquid effluent
No. of outfalls		One	
Quantity	KL	2000KL	KL
Place of discharge		septic tank to soak pit to outside drain	

06. The Applicant shall provide drainage system for conveying industrial & domestic liquid waste & separate drainage system for storm-water and shall provide comprehensive treatment facility for industrial and domestic liquid waste (sewage, sullage & liquid effluent generated from canteen) and operate and maintain the same to conform to the Standard for final effluent as given below.

Outlet No.	Nature of effluent	Parameters and standard (in mg/1. max)							Frequency of effluent sampling
		pH	BOD	COD	TSS	O & G			
01	Domestic	5.5 to 9.0	30	250	100	10			Weekly

07. This Applicant shall provide comprehensive pollution control equipment and operate and maintain the same continuously to conform the quality of the final gaseous emission to the *Standard* as given below :

Stack No.	Stack height from G.L. (in mts.)	Stack attached to (sources and control system, if any)	Volume Nm ³ /hr	Velocity of gaseous emission (mg/sec)	Concentrations of parameters not to exceed				Frequency of sampling
					SPM (mg./Nm ³)	CO (% v/v)			
S-1	32m	3x Re-heating furnace			150	1			yearly
S-2									
S-3									
S-4									

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

Type of waste	Quantity	Treatment	Disposal
As per	the	previous Consent to operate	

09. The Applicant shall take adequate measures for control of noise levels from its own sources within its premises to conform to

Time	Limit in dB (A) L _{eq}	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

10. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions and 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.

11. The Applicant shall at all times maintain good house-keeping, proper working order, control pollution (including fugitive emissions) from all sources to maintain clean environment in & around factory premises and to surrounding areas/inhabitants.

12. The Applicant shall bring about at least 33% of the available open land under the green coverage/ plantation.

13. The Applicant shall provide for sufficient alternate electric power source to operate all pollution control facilities. In absence of such alternate power source, the production should be stopped/reduced/controlled to conform the conditions of the Consent.

14. All the stacks connected to various sources of emissions must be painted/displayed to designate by numbers such as S-1, S-2 etc. and shall have ports, 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 install a separate energy meter showing the consumption of energy for operation of pollution control devices and 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*.

16. The Applicant shall allow the Officers of the *State Board* to enter into the premises of the unit at any reasonable time to inspect the pollution control systems and shall provide adequate and safe facility for collection of air, wastewater and solid waste samples for monitoring and measuring by the *State Board's* staff as well as *State Board's* authorised agencies.

17. The Applicant shall maintain an Inspection Book in the factory premises which shall be made available to inspecting officers of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection.

18. The Applicant shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any pollutants in excess of quality and quantity as mentioned above to any receiving water body/system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster and the Applicant shall take adequate steps to prevent such accidental event.

19. The Applicant shall apply for renewal of consent to *State Board* in prescribed form 60 (sixty) days before expiry of this Consent.

20. The Applicant shall not make any alteration/modification/expansion in the existing manufacturing process and equipment, pollution control system and shall not bring into any altered or new outlet/outfall or stack or change the place of discharge, without prior approval of the Board.

21. The Applicant shall comply with the conditions as laid down in the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989, Hazardous Wastes (Management & Handling) Rules, 1989 and 'Public Liability insurance Act. 1991.

Additional Conditions: ① The unit should comply with all the directions of the Board issued time to time. This consent may be revoked subject to any valid public complaint for violation of environmental norms.

For and on behalf of the Board

Assistant Environmental Engineer

Durgapur Regional Office

West Bengal Pollution Control Board

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Eng. Engr./Jr. Scientist)



WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'

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



Consent Letter Number : C-123308

Memo Number : 988 - dr. Co-5/11/1879.

Date : 28.05.19

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 :

SPS Steels Rolling Mills Ltd.

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

(hereinafter referred to as Applicant) for its unit located at Dr. Zakir Hussain Avenue,
P.O. - ABL Sub Post Office, P.S. - NTPS,
Durgapur, Paschim Bardhaman - 713206

(Detailed address of the manufacturing unit)

for a period from date of issue to 30/09/2023

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. Engineer)
Assistant Environmental Engineer
West Bengal Pollution Control Board
Durgapur Regional Office

ANNEXURE

Consent to SPS Steels Rolling Mills Ltd.
 for its unit at Dr. Zakir Hussain Avenue, P.O. - ABL Sub Post Office
P.S. - NTPS, Durgapur, Paschim Bardhaman - 713206

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	5500 MT
02	Steel Ingot/Billet	9000 MT
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 1.20 KL.

04. Daily discharge of domestic liquid effluent shall not exceed 0.250 KL.

05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed 1 KL.

06. The Applicant shall discharge liquid effluent to outside drain after treatment (place of discharge)
 through 02 (two) 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.)
Chakraborty
24/05/19
 Assistant Environmental Engineer
 West Bengal Pollution Control Board
 Durgapur Regional Office

(4)

Consent to SPS Steels Rolling Mills Ltd.
 for its unit at Dr. Zakir Hussain Avenue P.O.-ABL Sub Post office
P.S.- NTPS, Durgapur, Paschim Bardhaman - 713206

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)			
S-1	30.00	1 X 150 TPD DRI Kiln	—	—	150 at 12% CO ₂ correction	0.1	—	—	Quarterly
S-2	30.00	2 X 40 TPD DRI Kiln	—	—	150 at 12% CO ₂ correction	0.1	—	—	Quarterly
S-3	30.00	2 X 15 ton/change Induction furnaces	—	—	50	—	—	—	-DO-
S-4	30.00	Cooler Discharge	—	—	50	—	—	—	-DO-
S-5	30.00	Product House	—	—	50	—	—	—	-DO-
S-6	30.00	Raw Material Handling Plant	—	—	50	—	—	—	-DO-
S-7	21.00	1 X 380 kVA D.G. set	—	—	150	1%	—	—	Yearly
S-8	21.00	1 X 415 kVA D.G. set	—	—	150	1%	—	—	Yearly
S-9									
S-10									

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. Assistant Environmental

West Bengal Pollution Control Board
 Durgapur Regional Office
 Continued.....

(5)

Consent to SPS Steels Rolling Mills Ltd.
 for its unit at Dr. Zakir Hussain Avenue, P.O.- ABL Sub Post office,
P.S.- NTPS, Durgapur, Paschim Bardhaman- 713206

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	230 Ton	DRI Kilns
02	HSD	—	D.G. sets
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
Doff-char	2160 MT/month		Sold to CPPs.
ESP dust	180 MT/month		

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.)	65
Night Time (10 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.)

Pharadip
 21/05/19
 Assistant Environmental Engineer
 West Bengal Pollution Control Board
 Durgapur Regional Office

Consent to SPS Steels Rolling Mills Ltd.
for its unit at Dr. Zakir Hussain Avenue, P.O.-ABL sub post office,
P. S- NTPS, Durgapur, Paschim Bardhaman-713206

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 on quarterly basis.

Additional Conditions on ~~your consent~~
 **, This Consent may be revoked
 subject to any valid public (Member
 complaint for violation of
 environmental norms.

Assistant Environmental Engineer
West Bengal Pollution Control Board
Durgapur Regional Office



GREENVISION

(A leading environmental research laboratory)

Recognized by West Bengal Pollution Control Board

An ISO 9001 : 2015 & OHSAS 18001 : 2007 Certified Organisation

Urvashi Malhar, Phase II, MEAV-25, Bengal Ambuja Housing Complex, City Centre, Durgapur-713216

Contact : 0343-2542377, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TEST REPORT OF STACK GAS ANALYSIS

Page : 1/1

[FORMAT NO. : GV/LAB/FM/33A]

Sample is drawn by M/s. Greenvision

Report No.	: GV/AR/21-22/0350	Laboratory Ref. No.	: AS-241-2021(6)
Issued to	: M/s. SPS Steels Rolling Mills Ltd.	Report Date	: 24.11.2021
Address	: Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.	Date of Sampling	: 10.11.2021
Sample Description	: Stack Air	Analysis Started On	: 11.11.2021
Location	: 2 Nos. 40 TPD Rotary Kiln	Analysis Completed On	: 11.11.2021
Sample Condition	: In GMF Thimble & Plastic Bottle	Time of Sampling	: 11:50 am
Sampling Method	: CPCB, Emission Regulation (Part III)		
Test Method	: CPCB, Emission Regulation (Part III), IS:11255 (Part 1), 1985, Reaffirmed 2014, IS:11255 (Part 3), 2008, IS:11255 (Part 2), 1985, Reaffirmed 2014, IS:13270:1992, Reaffirmed 2014		

A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant	: Sponge Iron Plant
02. Stack connected to	: 2 Nos. 40 TPD Rotary Kiln
03. Material of construction	: M.S.
04. Shape of stack	: Circular
05. Height of stack from G.L (mtr)	: 30.0 from roof level (mtr) : ---
06. Height of sampling from G.L (mtr)	: 24.0 from L.D.Z (mtr) : ---
07. Internal stack diameter at sampling point (mtr)	: 1.0
08. Emission due to	: Reduction of Iron Ore & Oxidation of Coal
09. Steam generation capacity: (rated)	: --- (running) : ---
10. Load of source: (rated)	: 2 X 40 TPD (running) : I.O. : 2.4 MT/Hr./Kiln

B. FUEL CHARACTERISTIC REPORT

B. FUEL CHARACTERISTICS REPORT		
01. Type of fuel used	: Coal	
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---
05. Rated fuel consumption	: ---	
06. Working fuel consumption	: 2.0 MT/Hr./Kiln	

C. RESULTS OF GASEUS EMISSION SAMPLING

01. Flue gas temperature (°C)	: 112
02. Barometric pressure (mm of Hg)	: 756.0
03. Velocity of flue gas (m/sec)	: 8.78
04. Quantity of gas flow (Nm³/hr.)	: 17955.96
05. Concentration of Particulate Matter (mg/ Nm³)	: 37.11
06. Particulate Matter normalized at 12% CO₂	: 45.44
07. Concentration of SO₂ (mg/ Nm³)	: 144.89
08. Concentration of NO₂ (mg/ Nm³)	: ---
09. Concentration of CO₂ (% V/V)	: 9.8
10. Concentration of CO (% V/V)	: < 1.0

Pollution Control Device	: E.S.P.
Permanent Ladder and Platform	: Yes

Checked by **Junior Scientist**

GREENVISION

Signatory Authority
Authorized Signatory
S. Roy Chowdhury
For **GREENVISION**

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Branch Office : Durgachak, Haldia, Purba Medinipur, Ph. : 9593474712 M.N. Sarkar Road, Mahananda Para, Siliguri-734001



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Contact : 0343-2542377, 9732580459, 9433158173, email : greenvision.dgp@gmail.com, Website : www.greenvisiondurgapur.com



TEST REPORT OF STACK GAS ANALYSIS

Page : 1/1

[FORMAT NO. : GV/LAB/FM/33A]

Sample is drawn by M/s. Greenvision

Report No.	: GV/AR/21-22/0349	Laboratory Ref. No.	: AS-241-2021(5)
Issued to	: M/s. SPS Steels Rolling Mills Ltd.	Report Date	: 24.11.2021
Address	: Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.	Date of Sampling	: 10.11.2021
Sample Description	: Stack Air	Analysis Started On	: 11.11.2021
Location	: 100 TPD Rotary Kiln	Analysis Completed On	: 11.11.2021
Sample Condition	: In GMF Thimble & Plastic Bottle	Time of Sampling	: 10:05 am
Sampling Method	: CPCB, Emission Regulation (Part III)		
Test Method	: CPCB, Emission Regulation (Part III), IS:11255 (Part 1), 1985, Reaffirmed 2014, IS:11255 (Part 3), 2008, IS:11255 (Part 2), 1985, Reaffirmed 2014, IS:13270:1992, Reaffirmed 2014		

A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant	: Sponge Iron Plant
02. Stack connected to	: 100 TPD Rotary Kiln
03. Material of construction	: M.S.
04. Shape of stack	: Circular
05. Height of stack from G.L (mtr)	: 30.0 from roof level (mtr) : ---
06. Height of sampling from G.L (mtr)	: 22.0 from L.D.Z (mtr) : ---
07. Internal stack diameter at sampling point (mtr)	: 1.0
08. Emission due to	: Reduction of Iron Ore & Oxidation of Coal
09. Steam generation capacity: (rated)	: --- (running) : ---
10. Load of source: (rated)	: 100 TPD (running) : I.O. : 5.5 MT/Hr.

B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: Coal		
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---	
05. Rated fuel consumption	: ---		
06. Working fuel consumption	: 4.8 MT/Hr.		

C. RESULTS OF GASEOUS EMISSION SAMPLING

01. Flue gas temperature ($^{\circ}$ C)	: 121
02. Barometric pressure (mm of Hg)	: 756.0
03. Velocity of flue gas (m/sec)	: 10.46
04. Quantity of gas flow ($\text{Nm}^3/\text{hr.}$)	: 21172.27
05. Concentration of Particulate Matter (mg/Nm^3)	: 34.18
06. Particulate Matter normalized at 12% CO_2	: 40.21
07. Concentration of SO_2 (mg/Nm^3)	: 174.68
08. Concentration of NO_2 (mg/Nm^3)	: ---
09. Concentration of CO_2 (% V/V)	: 10.2
10. Concentration of CO (% V/V)	: < 1.0

Pollution Control Device	: E.S.P.
Permanent Ladder and Platform	: Yes

Checked by **Junior Scientist**

Signatory Authority
For GREENVISION

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Analysis Reports of Gaseous Emission

Identification Code: 291120218099



WEST BENGAL POLLUTION CONTROL BOARD
Durgapur Regional Laboratory, Paribesh Bhawan, City Centre, Durgapur- 713 216

Analysis done at:

1. Name of Industry	M/s. SPS Steel Rolling Mills Ltd.
2. Address	Dr. Jakir Hussain Ave., Durgapur- 16
3. Category & Type	Red, Sponge Iron Unit
4. Sampling Date	29.11.2021
5. Duration of Sampling	30 min
6. Name of Laboratory	M/s. Indicative Consultant India
7. Height of Stack from ground (m)	30.0
8. Cross section of Stack at sampling point (m ²)	0.4073
9. Stack connected to	Cooler Discharge (100 TPD)
10. Emission due to (Furnace / Boiler)	Process Activity
11. Average operational hours of boiler/furnace (per month)	720 hrs
12. APC System (if any)	Bag Filter
13. Working load of source (MT/hr)	-
14. Fuel used	-
15. Rated Fuel consumption (Kg or l/hr)	-
16. Working Fuel consumption (Kg or l/hr)	-
17. Nature of furnace/boiler	-
18. Flue Gas Temp (°C)	Cooler Discharge
19. Flue gas velocity (m/s)	40.0
20. Corrected flue gas volume (Nm ³)	8.28
21. To be compensated at (% if required)	1.017
22. Initial wt of thimble (gm)	1.4808
23. Wt. of PM (mg)	23.20
24. Barometric Pressure Head (mm of Hg)	755
25. Others	-
26. Sampled by	Mr. S. Banerjee, AEE
27. Volume of Flue gas drawn in lit (m ³)	1.08
28. Percentage of CO ₂ & O ₂	-
29. Final wt of thimble (gm)	1.5040
30. Particulate matter (mg/Nm ³)	22.81
31. Diameter of the nozzle	9.525 mm
32. Thimble Number	3582

08/12/2021

Date of Reporting

[Signature]

Junior Scientist, DRL

[Signature] 08/12/2021

Scientist, DRL

Copy to:

1. Chief Engineer, Operation & Execution, WBPCB
2. Chief Scientist, WBPCB
3. Env. Engineer (DRO) / Sr. Env. Engineer (ARO), WBPCB
4. Industry



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TEST REPORT OF STACK GAS ANALYSIS

Page : 1/1

[FORMAT NO. : GV/LAB/FM/33A]

Sample is drawn by M/s. Greenvision

Report No.	: GV/AR/21-22/0351	Laboratory Ref. No.	: AS-241-2021(7)
Issued to	: M/s. SPS Steels Rolling Mills Ltd.	Report Date	: 24.11.2021
Address	: Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.	Date of Sampling	: 10.11.2021
Sample Description	: Stack Air	Analysis Started On	: 11.11.2021
Location	: Product House	Analysis Completed On	: 11.11.2021
Sample Condition	: In GMF Thimble	Time of Sampling	: 01:40 pm
Sampling Method	: CPCB, Emission Regulation (Part III)		
Test Method	: CPCB, Emission Regulation (Part III), IS:11255 (Part 1), 1985, Reaffirmed 2014, IS:11255 (Part 3), 2008, IS:11255 (Part 2), 1985, Reaffirmed 2014, IS:13270:1992, Reaffirmed 2014		

A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant	: Sponge Iron Plant		
02. Stack connected to	: Product House		
03. Material of construction	: M.S.		
04. Shape of stack	: Circular		
05. Height of stack from G.L (mtr)	: 30.0	from roof level (mtr)	: ---
06. Height of sampling from G.L (mtr)	: 20.0	from L.D.Z (mtr)	: ---
07. Internal stack diameter at sampling point (mtr)	: 0.8		
08. Emission due to	: Process Activities		
09. Steam generation capacity: (rated)	: ---	(running)	: ---
10. Load of source: (rated)	: ---	(running)	: ---

B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: ---		
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---	
05. Rated fuel consumption	: ---		
06. Working fuel consumption	: ---		

C. RESULTS OF GASEUS EMISSION SAMPLING

01. Flue gas temperature (°C)	: 36
02. Barometric pressure (mm of Hg)	: 756.0
03. Velocity of flue gas (m/sec)	: 5.74
04. Quantity of gas flow (Nm ³ /hr.)	: 9974.98
05. Concentration of Particulate Matter (mg/ Nm ³)	: 31.14
06. Particulate Matter normalized at 12% CO ₂	: ---
07. Concentration of SO ₂ (mg/ Nm ³)	: ---
08. Concentration of NO ₂ (mg/ Nm ³)	: ---
09. Concentration of CO ₂ (% V/V)	: ---
10. Concentration of CO (% V/V)	: < 1.0

Pollution Control Device	: Bag Filter
Permanent Ladder and Platform	: Yes

Checked by **Junior Scientist**

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Authorized Signatory
S. P. Choudhury
For GREEN VISION
GREENVISION

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TEST REPORT OF STACK GAS ANALYSIS

Page : 1/1

[FORMAT NO. : GV/LAB/FM/33A]

Sample is drawn by M/s. Greenvision

Report No.	: GV/AR/21-22/0352	Laboratory Ref. No.	: AS-241-2021(8)
Issued to	: M/s. SPS Steels Rolling Mills Ltd.	Report Date	: 24.11.2021
Address	: Dr. Zakir Hussain Avenue, Durgapur, Pin : 713206, Paschim Bardhaman.	Date of Sampling	: 10.11.2021
Sample Description	: Stack Air	Analysis Started On	: 11.11.2021
Location	: Re-Heating Furnace	Analysis Completed On	: 11.11.2021
Sample Condition	: In GMF Thimble	Time of Sampling	: 03:30 pm
Sampling Method	: CPCB, Emission Regulation (Part III)		
Test Method	: CPCB, Emission Regulation (Part III), IS:11255 (Part 1), 1985, Reaffirmed 2014, IS:11255 (Part 3), 2008, IS:11255 (Part 2), 1985, Reaffirmed 2014, IS:13270:1992, Reaffirmed 2014		

A. GENERAL INFORMATION ABOUT STACK

01. Particulars of plant	: Rolling Mill		
02. Stack connected to	: Re-Heating Furnace		
03. Material of construction	: M.S.		
04. Shape of stack	: Circular		
05. Height of stack from G.L (mtr)	: 32.0	from roof level (mtr)	: ---
06. Height of sampling from G.L (mtr)	: 12.0	from L.D.Z (mtr)	: ---
07. Internal stack diameter at sampling point (mtr)	: 0.8		
08. Emission due to	: Combustion of C.B.M. Gas		
09. Steam generation capacity: (rated)	: ---	(running) :	: ---
10. Load of source: (rated)	: 12 MT/Hr.	(running) :	: 12 MT/Hr.

B. FUEL CHARACTERISTIC REPORT

01. Type of fuel used	: C.B.M. Gas		
02. Calorific value (K-Cal/Kg): ---	03. Ash content (% by Wt): ---	04. Sulphur content (% by Wt): ---	
05. Rated fuel consumption	: ---		
06. Working fuel consumption	: 410 M ³ /Hr.		

C. RESULTS OF GASEOUS EMISSION SAMPLING

01. Flue gas temperature (°C)	: 198
02. Barometric pressure (mm of Hg)	: 756.0
03. Velocity of flue gas (m/sec)	: 11.36
04. Quantity of gas flow (Nm ³ /hr.)	: 16156.04
05. Concentration of Particulate Matter (mg/ Nm ³)	: 14.92
06. Particulate Matter normalized at 12% CO ₂	: ---
07. Concentration of SO ₂ (mg/ Nm ³)	: ---
08. Concentration of NO ₂ (mg/ Nm ³)	: ---
09. Concentration of CO ₂ (% V/V)	: 6.0
10. Concentration of CO (% V/V)	: < 1.0

Pollution Control Device	: Nil
Permanent Ladder and Platform	: Yes

Checked by **Junior Scientist**

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Authorized Signatory

For GREENVISION

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FORM 4
[See rules 6(5), 13(8), 16(6) and 20 (2)]
Annual Return
under

Hazardous & Other Wastes(Management & Transboundary Movement) Rules, 2016
Transboundary Movement) Rules, 2016

To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April to March

Return No : 2492911

Period : 2021-2022

1. Name of facility/Industry Industry Address of facility/Industry	SPS STEELS ROLLING MILLS LTD. Dr. ZAKIR HUSSAIN AVENUE, G T ROAD, (INDO AMERICAN MORE)			
2. UID	WB0149054222			
3. Authorisation No Date of issue: Date of Expiry	APPLIED FOR (APPLICATION NO. 2477439) 02/08/2022 02/08/2022			
4. (i) Name of the authorised person & Designation	R. K. Mishra DGM			
(ii) Correspondence Address	M/s SPS STEELS ROLLING MILLS LTD. Dr. ZAKIR HUSSAIN AVENUE, G T ROAD, (INDO AMERICAN MORE) DURGAPUR, PO-ABL SUB POST OFFICE DURGAPUR, DIST-PASCHIM BARDHAMAN (WB)-713206			
(iii) Mobile No	8695621900			
(iv) Land Line No (with area code)				
(iv) Fax number (with area code)				
(vi) e-mail	rk.mishra@shakambharigroup.in			
(vii) Type of HW Handler	Generator			
(viii) If involved in Interstate Movement of HW	No			
5. Production during the year (product wise), wherever applicable	Sr.no	Product Name	Quantity	Unit
	1	SPONGE IRON	53660.250	Metric Ton
	2	M.S. BILLET	72089.156	Metric Ton
	3	TMT BAR	143963.529	Metric Ton

Part A. To be filled by hazardous waste generators											
Sr. no	Name of Process	Category	Waste Stream	Unit	Quantity in stock at the beginning of the year	Total quantity of waste generated	Quantity dispatched to disposal facility	Quantity dispatched to recycler or co-processors or pre-processor	Quantity dispatched to others	Quantity utilised in house	Quantity in storage at the end of the year

1	Schedule I - 5. Industrial operations using mineral/synthetic oil as lubricant in hydraulic systems or other applications	Used or spent oil	5.1	Metric Ton	0 Metric Tonnes/Y ear	0.6 Metric Tonnes/Y ear	0 Metric Tonnes/Y ear	0.6 Metric Tonnes/Y ear	0 Metric Tonnes/Y ear	0 Metric Tonnes/Y ear	0 Metric Tonnes/Y ear
2	Schedule I - 5. Industrial operations using mineral/synthetic oil as lubricant in hydraulic systems or other applications	Wastes or residues containing oil	5.2	Metric Ton	0 Metric Tonnes/Y ear	0.225 Metric Tonnes/Y ear	0 Metric Tonnes/Y ear	0 Metric Tonnes/Y ear	0 Metric Tonnes/Y ear	0.225 Metric Tonnes/Y ear	0 Metric Tonnes/Y ear

Part B. To be filled by Treatment, storage and disposal facility operators

Sr. no	Name of Process	Category	Waste Stream	Unit	Quantity in stock at the beginning of the year	Total quantity received	Quantity treated	Quantity disposed in landfills as such and after treatment	Quantity incinerated (If applicable)	Quantity processed other than specified above	Quantity in storage at the end of the year
--------	-----------------	----------	--------------	------	--	-------------------------	------------------	--	--------------------------------------	---	--

Part C. To be filled by recyclers or co-processors or other users

Sr. no	Name of Process	Category	Waste Stream	Unit	Quantity in stock at the beginning of the year	Quantity of waste received during the year from Domestic sources	Quantity of waste received during the year Imported	Quantity recycled or co-processed or used	Quantity re-exported (wherever applicable)	Quantity in storage at the end of the year
Whether Importing Other Wastes						Not-Selected				

Part D. Details of Interstate Movement

Sr.no	Name of Industry (Within State)	District	Receiving/SENDING	Name of Industry (Other State)	State	Type of Waste	Qty.(MTA)	Purpose (Recycling/Disposal/Incineration)
-------	---------------------------------	----------	-------------------	--------------------------------	-------	---------------	-----------	---

Part D. Details of Import of Other Waste Import & Recycling

Sr.no	Name of the Importer)	Imported from (country name)	Type of Other waste	Quantity Imported (MTA)	Quantity Recycled (MTA)
-------	-----------------------	------------------------------	---------------------	-------------------------	-------------------------

Date : 08/08/2022

Place : Paschim Bardhaman

DEEPAK KUMAR AGARWAL

Name of the Occupier or Operator of the disposal facility