MSP SPONGE IRON LIMITED
Registered Office : 16/S, Block-A, New Alipore, Kolkata-700 053, **Phone:** 033 4005 7777
Fax: 033 2398 2239 | **E-mail:** contactus@mspsteel.com | **Website:** www.mspsteel.com

Dt. 27.09.2024

To,
The Member Secretary,
State Pollution Control Board, Odisha.
Paribesh Bhawan, A/118, Nilakantha Nagar, Unit – VII.
Bhubaneswar-751012, Odisha.
E-Mail: paribesh1@ospcboard.org / ocmms@ospcboard.org

Sub: Submission of Annual Environmental Statement in Form-V for the year 2023-24 in respect of our mini steel plant at Haldiaguna, Keonjhar, Odisha.

Dear Sir,

In reference to the above cited subject matter, we are submitting herewith the Annual Environmental Statement in Form-V for the year 2023-24 in respect of our mini steel unit at Haldiaguna, Keonjhar, Odisha as required under Rule 14 of Environmental Protection Rule, 1986.

Sir, due to some portal issues (https://odocmms.nic.in/) the Env. Statement could not be uploaded online. The same will be uploaded soon after rectification of the issue.

This is for your kind information and record please.

Thanking You.

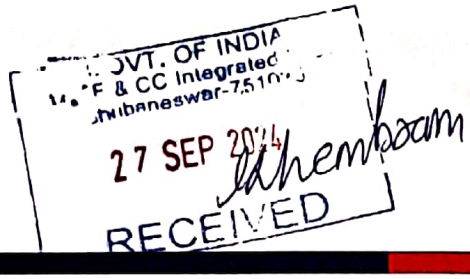
Yours faithfully,

For **MSP Sponge Iron Ltd.,**

P. K. Dey
Director

Encl.: As stated above

CC to: The Regional Officer, MoEF & Climate Change, Chandrasekharpur, Bhubaneswar, ... for kind information please.



FORM-V
ENVIRONMENTAL STATEMENT
(See rule 14)

Environmental Statement for the financial year ending with 31st March' 2024

PART-A

i. Name and address of the owner/
Occupier of the industry Operation or process

MR.PRADIP KUMAR DEY, DIRECTOR
AT-HALDIAGUNA, PO-GOBARDHAN
DIST-KEONJHAR, ODISHA-758013.

ii. Industry category Primary - (STC Code) Secondary- (STC Code): **SECONDARY**

iii. Production category - Units.

Plant Facility	Capacity (in TPA)
SPONGE IRON –	67,500 TPA
SMS -	63,000 TPA
ROLLING MILL-	52,000 TPA
PELLET –	7,50,000 TPA
BENEFICIATION-	10,00,000 TPA
PRODUCER GAS-	17100 nM^3/Hr.

iv. Year of establishment:

Sl. No.	Production Facility		Date of Commercial Production
1.	Sponge Iron	Kiln I	06.12.2000
		Kiln II	06.12.2000
		Kiln III	11.12.2001
		Kiln IV	04.03.2003
2	MS Ingot		22.12.2001
3.	MS TMT Bar /Round		30.12.2001
4.	Beneficiation Plant		21.10.2013
5.	Iron Ore Pellet		01.01.2013
6.	Producer Gas Plant		21.10.2013

v. Date of the last environmental statement submitted: **Vide our letter Dt.21.09.2023.**

M/S MSP SPONGE IRON LTD. KEONJHAR 758013 HALDIAGUNA

PART - B

Water and Raw Material Consumption:

i. Water consumption in m^3 / d

Process: NIL
Cooling: 120 M^3 / day
Domestic: 10 M^3 / day

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the Current financial year
1. SPONGE IRON	NA	NA
2. MS- INGOT	NA	NA
3. MS- ROUND	NA	NA
4. IRON ORE PELLET	NA	NA
5. IRON ORE BENEFICIATION	NA	NA
6. PRODUCER GAS	NA	NA

ii. Raw material consumption

Consumption of raw material	Name of the product	Consumption of raw material per unit of output	
		During the current financial year (2021-22)	During the current financial year (2023-24)
IRON ORE (SIZED 5-18)	SPONGE IRON	51798.790 MT	68870.100
IRON ORE(CLO 10-40)		NIL	NIL
SCREENED ORE (SIZED 5-10)		14523.680 MT	25388.840
IRON ORE PELLET (2.5MM - 5MM & CROSSED PELLET)		7701.170 MT	NIL
IRON ORE CONCENTRATE		NIL	NIL
COAL(LUMPY)		64030.010 MT	64189.020
DOLOMITE		3601.830 MT	5019.340
SPONGE IRON	MS-BILLET	29335.983 MT	34100.334
FERROUS SCRAP		5297.781 MT	2742.537
FERRO MANGANESE & FERRO SILICON		402.292 MT	495.095
PIG IRON		1886.940 MT	6187.99
IRON ORE PELLET		NIL	NIL

M/S M.S.P. SPONGE IRON LTD. KEONJHAR 758013

ALUMINIUM SLOT		NIL	NIL
MS-INGOT / BILLET	MS-ROUND	44636.914 MT	37846.609
COAL	PRODUCER GAS	24620.340 MT	29013.780
PET COKE		24470.650 MT	27519.460
PROCESS GRINDING CAKE	PELLET	437051.380 MT	741387.870
LIME STONE		3326.415 MT	6688.770
IRON ORE CONCENTRATE		306955.780 MT	48130.930
BENTONITE		3602.625 MT	4767.870
DOLOMITE		Nil	Nil

** 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 (mass/volume)	Pollutants Percentage of variation from prescribed standards with Reasons
(a) Water	Nil		Nil	Nil
(b) Air	ESP connected to DRI Kiln –I&II	0.183	18.34 Mg/NM^3	Within the norm of the SPCB.
	ESP connected to DRI Kiln –III&IV	0.167	16.87 Mg/NM^3	
	ESP connected to Pellet Plant	0.197	19.74 Mg/NM^3	

PART-D

HAZARDOUS WASTES

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

Hazardous Waste		Total Quantity (Kg)	
		During the previous financial year (2022-23)	During the Current financial year (2023-24)
a. From Process	Used Oil	434 Ltrs.	**317 ltrs**
	Tarry Waste	955.59 Mt.	**1412.45**
	Empty Barrel	69	**100**
b. From Pollution Control Facilities			Nil

PART. E

SOLID WASTES:

Solid Wastes		Total Quantity (Kg)	
		During the previous financial year (2022-23)	During the Current financial year (2023-24)
a. From process	Coal Char	17692.420 MT	16992.220 MT
	Ferrous Waste/ Slag.	5806.29MT	5555.865 MT
	Granulated Ash	NIL	NIL
b. From Pollution Control Facility		23465.36 MT	31728.95 MT
c. (i) Quantity recycled or re-utilized within the unit.		NIL	Metals recovered: 835.37 MT
(ii) Sold		Coal Char Sold- 20582.610MT	Coal Char Sold- 32024.020MT
(iii) Disposed		NIL	ESP & Bag filter dust disposal: 30490.67MT

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.

1. Used Oil: The used oil is stored in barrel on impervious floor under shed & used in lubricating the rotary equipment.
2. Tarry Waste: The tarry waste generated from PGP is stored in a closed Tank/ Barrel and is disposed to authorized recycler.
3. Coal Char: The coal char generated through process is being dumped at the demarcated solid waste stock yard inside the factory premises and supplied to NH for filling the over bridge embankments.
4. Slag : Used in low land filling and in bricks making in place of sand after recovery of metal value .

PART - G

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

1. Reuse of STP water in DRI and closed loop recirculation of ETP Water in PGP enables to reduce pressure on consumption of fresh water.
2. Conservation of storm/runoff water through 5 number of rain water harvesting pond which is reused in plant.
3. Iron ore mines wastes (Fines) is pelletized through wet grinding process.
4. Hot air existing the annular cooler at pellet plant is reused to heat the rotary kiln and travelling grate kiln in a pellet plant. This recycled heat directly reduces fuel consumption. As a result, this heat recycling process saves money on fuel costs and helps the environment by lowering carbon emissions.
5. LD slag after extraction of remaining metal, are put to good use. The extracting metals are reused, and leftover slag are used in the construction for making bricks and roads.
6. Zero effluent discharge (ZED) has been achieved.

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PART - H

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

1. 148 Fixed sprinklers have been installed on both side of road to minimize the dust emission.
2. 3 nos. of water tanker engaged for dust control.
3. Mechanized road sweeping machine engaged for internal road cleaning
4. Installation of Mechanized wheel washing system for cleaning the wheels of outward vehicles for conservation of minerals.
5. The clarifloculator has been installed for treating surface runoff water.

PART – I

Any other particulars for improving the quality of the environment.

1. Distribution of seed balls to all employees followed by dropping on Santhebhanj hill (located adjacent to the plant) before onset of monsoon.
2. 500 number of Fruit bearing saplings distributed among employees.
3. 1 acre Plantation of fruit bearing trees at Haldiaguna and Banua village.
4. Avenue plantation on approach road and in vacant area of surrounding village.
5. The PGP cooling water is collected in a closed loop by adoption of Re-circulation procedure.
6. One STP of capacity 10 Kl/day is under regular operation for treatment of the domestic waste water and treated water is being reused in DRI cooling process, plantation and dust suppression.

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M/S MSP SPONGE IRON LTD KEONJHAR 758013 HALDIAGUNA