

SSPL/JMR/WBPCB-2023/09-01

Date- 15/09/2023

To,
The Environmental Engineer
Asansol Regional Office
West Bengal Pollution Control Board
Paribesh Bhawan, Dr. B.C. Roy Road,
City-Asansol, Po- Dakhin Dhadka, PS- Asansol (North)
Dist.- Paschim Bardhaman, Pin-713302, West Bengal, Inida

Sub: Submission of Environmental Statement for the Financial year ending 31st March-2023 for M/s Shyam Sel & Power Limited, Vill- Dhasna, P.O- Bahadurpur, P.S- Jamuria, Pin-713362, Dist- Paschim Bardhaman.

Respected Sir,

We are pleased to enclosed herewith The Environmental Statement in Form V with required Annexure which is duly filled under rule of 14 of the Environmental (protection) rules, 1986 for the M/s Shyam Sel & Power Limited for the financial year ending 31st March 2023.

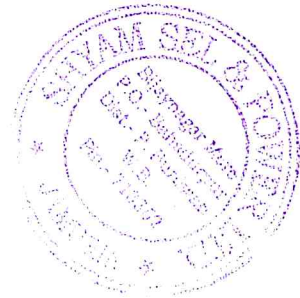
Please acknowledge the same. Your valuable suggestion and comments are appreciable.

Thanking you,

For Shyam Sel & Power Limited.


Mayank Tiwari
Sr. Manager Environment

22-09-23
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Asansol Regional Office
Kalyanpur Satellite Township Project
Dr. B. C Roy Road, Asansol-713302



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REG. OFFICE: S S Chambers, 5, C.R. Avenue, Kolkata - 700 072, West Bengal, CIN: U27109WB1991PLC052962 GSTIN: 19AAECS9421J1ZZ

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WEST BENGAL POLLUTION CONTROL BOARD

FORM V

(See Rule 14)

Environmental Statement for the financial year ending on 31st March on or before 30th of September every year.

PART A

- (i) Name and address of the owner/ occupier of the industry operation or process : Prashant kumar
- (ii) Industry category Primary-(STC Code) : RED, Iron & Steel (involving processing from ore/ integrated steel plants) and or
Secondary-(STC Code) : Sponge Iron units
- (iii) Production capacity : 3878466.80 Tonnes
- (iv) Year of establishment : 2023
- (v) Date of the last environment statement submitted :

PART B

1. Water consumption m³/ d

Process : 5000

Cooling : 5298

Domestic : 246

Name of products	Process water consumption per unit of product output	
	During the previous financial year	During the current financial year
DRI	0.66	0.66
M.S. BILLET	0.65	0.65
WRM	0.38	0.38
CPP	2.2	2.2
FERRO ALLOYS	1.44	1.44
TMT BAR	0.39	0.39
STRUCTURAL	0.21	0.21
PELLET	0.12	0.12

2. Raw material consumption

Name of raw materials	Name of products	Consumption of raw material per unit	
		During the previous financial year	During the current financial year
PIG IRON	SMS	210	184
M.S SCRAP	SMS	50	62
COAL	CPP	22000	564
Mn Ore	FERRO ALLOY	2500	2500
COKE	FERRO ALLOY	500	500
COKE	FERRO ALLOY	500	500
IRON ORE FINES	IRON ORE PELLETT	1500	1500
BENTONITE	IRON ORE PELLETT	5.8	12
COAL	FERRO ALLOY	200	200
Mn Ore	FERRO ALLOY	2100	2100
QUARTZ	FERRO ALLOY	300	300
DOLOMITE	FERRO ALLOY	200	200
FERRO MANGANESE SLAG	FERRO ALLOY	500	500
WRM	HOT ROLL BILLET FROM SMS	1060	1060
COAL FINES	IRON ORE PELLETT	38	35
DOLOMITE	SPONGE IRON	30	60
PIG IRON	SMS	210	184
HOT ROLL BILLET FROM SMS	TMT BAR	1120	1060
DOLOMITE	FERRO ALLOY	250	250
STRUCTURAL	HOT ROLL BILLET FROM SMS	1060	1060
FURNACE OIL	IRON ORE PELLETT	2.4	0
PGP COAL	IRON ORE PELLETT	0	63
LIME STONE	IRON ORE PELLETT	0	31
IRON ORE/IRON ORE PELLETT	SPONGE IRON	1450	1450
COAL	SPONGE IRON	850	1050
DOLOMITE	SPONGE IRON	30	60
SPONGE IRON	SMS	1070	984
DOLOCHAR	CPP	14700	846

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

PART C

Pollution discharged to environment/ unit of output.

Pollution	Quantity of pollutants discharged(mass/day)	Concentration of pollutants in discharges(mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	0	0	0
(a) Air	3.02 T/DAY	30 mg/Nm ³	0

PART D

Hazardous Wastes

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

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
(a) From process	1) USED OIL 15.62 MT 2) COTTON WASTE - 300 KG 3) EMPTY BARREL - 77 NOS.	1)USED OIL -23.42 MT 2) COTTON WASTE - 500 KG 3) EMPTY BARREL - 113 NOS.
(b) From pollution control facilities	NA	NA

PART E

Solid Wastes

	Total Quantity	
	During the previous financial year	During the current financial year
(a) From process	358330750	416053450
(b) From pollution control facility	218737840	234486290
(c)(1) Quantity recycled or re-utilised within the unit	198099550	247628880
(2) Sold		
(3) Disposed	203966640	216018290

PART F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes. The solid waste generated by the plant which are:

- The accretions of Pellet & DRI solid waste generated from process are disposed in waste disposal site (ECL & OCP abundant pit).
- Fly Ash generation from CPP are dumped in OCP abundant mines. Fly ash also supplied for Bricks & Tiles manufacturing industry.
- The scraps & end cutting materials generated from Mills are stored inside the plant premises and reuse as a raw material in Induction Furnace Process for M.S. Billet manufacturing.
- Slag from Ferro Alloys basically FeMn slag are used in SiMn production & Slag of SiMn are used for land filing & road making process.
- Used oil & other waste generated from maintenance department of product line are collected and stored and disposed of through authorized recycler..

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production. Smooth and Continuous operation of Pollution abatement measures has resulted in following impact in conservation of natural resources and the cost of production.

- Complete recycle of entire waste

water which is generated from surface run-off and storm water by using it for water spraying in road, fugitive dust control and green belt development. •Complete recycle of water used in product line through Cooling Tower basin. •Continuous recycle of Turbine steam condensate in condenser to conserve water. • Proper utilization of DRI waste gas through Waste Heat Recovery Boiler for conservation of natural resources. •Sprinklers are fixed in potential area of all operation units including Raw materials handling areas. •Maximum COC (Cycle of Concentration) maintain up to 5 – 6 for cooling tower water to reduce the water losses during blow down. •Concreting of all internal roads of plant premises to control fugitive dust. • Good housekeeping practices to clean the road in regular routine basis. .

PART H

Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution •Development of Green Belt Area by plantation •Installation of Pneumatic Ash Conveying system with dedusting unit to control emission during handling of fugitive dust generating from product line. •Online raw materials conveying system from Railway siding to Raw materials yard to reduce road transportation. .

PART I

Any other particulars for improving the quality of the environment •Reduction in specific consumption of Raw Material to conserve the natural resources. •Successfully installed 4 nos. CAAQMS Station around the plant for continuous monitoring of Ambient Air Quality. •OCMS installed at all process stack for continuous monitoring of process emission from Pellet Unit, DRI Unit, SMS Unit, Ferro alloys & CPP unit. .