TSM/HSR/ENV/2023/01

Date-21/09/2023

To,

The District Environmental Engineer,

Tamil Nadu Pollution control Board,

Hosur.

Sub: Submission of Environmental Statement (FormV) for FY23(April'22 to March'23).

Ref: Consent Order No. 2305253900598 Dated:19/09/2023.

Respected Sir,

With reference to the subject cited above, please find enclosed the Environmental Statement, Form V for the Year 2022-23.

This is for your kind perusal and acknowledge the same.

Thanking you

For Tata steel Limited

M. Ganesan

Factory Manager

Encl:

1. Environmental Statement – Form V
2. All env. Monitoring reports

மாவட்ட சுற்றுச்சூழல் பொறியாளர் அலுவலகம்
29 SEP 2023
தமிழ்நாடு மாசு கட்டுப்பாடு வாரியம், ஓசூர்

TATA STEEL LIMITED

S F No 269pt 297pt Plot No 104/3 SIPCOT Industrial Complex Phase -I Zuzuvadi Village Hosur Taluk Krishnagiri 635126
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

ENVIRONMENTAL STATEMENT

April 2022-March 2023

TATA STEEL

TATA STEELLTD

S.F.No. 269pt,297pt, Plot No:104/3, SIPCOT Industrial Complex Phase -I,

Zuzuvadi Village, HosurTaluk, Krishnagiri District - 635126

ENVIRONMENTAL STATEMENT FORM-V

(See rule 14)

Environmental Statement for the financial year ending with 31st March 2023

PART-A

1. Name and address of the owner/ occupier :Mr Kapil Modi
   Of the industry operation or process Executive Plant Head, Khopoli& Hosur,
   S.F.No.269 Pt,297Pt, Plot No.104/3,
   SIPCOT Industrial Complex, Phase I,
   Zuzuvadi Village, HosurTaluk, Krishnagiri
   District - 635109
2. Industry category Primary-(STC Code) : Green
   Secondary- (STC Code)
3. Production category – Units. : HR CR GP Precision Tubes–6000T/Month

HR CP GP Sheets – 2000 T/Month

4. Year of establishment : 2012

5. Date of the last environmental statement : 15.09.2022.

PART –B

Water and Raw Material Consumption:

1. Water consumption in KLD

Cooling:1.78
Domestic:8.553
Process:3.429

Name of Products	Process water consumption per unit of products	
	During the previous financial year 2021-2022	During the current financial year 2022-2023
HR CR GP Precision Tubes	0.03876 m3	0.04054 m3
HR CR GP Sheets		

2. Raw material consumption

Name of raw materials	Name of Products	Consumption of raw material per unit of Output (T/Yr)	
		During the previous financial year 2021-2022	During the current financial year 2022-2023
HR CR and GP coil	1. HR CR GP Precision Tubes	1.19	1.153

	2. HR CR GP Sheets	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 (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with Reasons.
(a) Water	Nil	Nil	Nil — All Recycled and utilised inside the plant through ETP and STP
(b) Air	Dust Load-2.88 Kg/Day	Fugitive Emission-20.98 mg/m3	NA

PART-D

Hazardous Wastes

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

Hazardous Wastes	Total Quantity (Ton/Month)	
	During the previous financial year 2021-2022	During the current financial year 2022-2023
5.1 Used oil	0.7292 KL/Month	2.675 KL/Month
5.2 Waste & residue contain oil	0.5775	0.275
33.1 Empty barrel	0.09167	0.04167
35.3 Chemical Sludge	0.0029167	NIL

PART – E

Solid Wastes:

Solid Wastes	Total Quantity (Ton/Yr)	
	During the current financial year 2021-2022	During the current financial year 2022-2023

Metal Scrap	2302.78	1132

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.

S.No	Identity Of Hazardous Waste Stream	Quantity Generated	State Of Waste Liq,Solid AndSemiliq Etc.,	Type Of Hazardous	Mode Of Storage/ Disposal
1	5.1 Used oil	5.7 KL	Liquid	Recyclable	Disposed to authorized recycler
2	5.2 Waste & residue contain oil	3.0 T	Solid	Recyclable	Disposed to authorized recycler
3	33.1 Empty barrels/containers/liners contaminated with hazardous. chemicals /wastes	0.4 T	Solid	Recyclable	Disposed to authorized recycler
4	35.3 Chemical Sludge	0.35 T	Solid	Recyclable	Kept in a Closed container and disposed to CHWTSDF

PART – G

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

1) Air Shut-off valves provided.
2) Retrofitting of DG set.
3) Magnetic separator for coolant filtration

PART - H

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

1) OCEMS for STP Outlet.
2) PM10 -AQMS
3) IFC system for GHG savings
4) 2500nos sapling plantation

Employee Details	Total Strength (No's)	
	During the current financial year 2021 - 2022	During the current financial year 2022- 2023
Employee for the year	180	250

PART - I

Any other particulars for improving the quality of the environment.

1. Controlled noise by providing the Acoustic enclosures for the D.G.Set.
2. The Sewage Generated from the Toilet and Bathrooms are treated in the Sewage Treatment Plant Andused for gardening.
3. Planted 2500 saplings.
4. Installed 2 KW roof top solar power at admin building

Sewage Treatment Plant:

S.No.	Components	No of units	Dimensions in (M)
1	Sludge Collection Tank	1	2.0x1.0x1.5
2	Collection Cum Equalisation Tank	1	3.0x3.0x2.5
3	Aeration Tank	1	6.0x3.0x3.5
4	Clarifier	1	3.5x3.5x2.5
5	Filter Feed Tank	1	3.5x3.5x2.5
6	Pressure Sand Filter	1	0.6mdiax1.0
7	Activated Carbon Filter	1	0.6mdiax1.0
8	Online Dosing System	1	5 LPH
9	Treated Effluent Collection Tank	1	3.5x3.5x2.5
10	Sludge Drying Beds	3	1.0x1.0x1.0

Effluent Treatment Plant:

S.No.	Components	No of units	Dimensions in (M)
1	Collection cum neutralisation tank	1	3.0x3.0x2.7
2	Clarifier	1	2.8x2.0x2.7
3	Activated Carbon Filter	1	0.6mdiax1.0
4	Pressure Sand Filter	1	0.6mdiax1.0
5	Filter Feed Tank	1	1.0x2.7x2.7
6	RO Plant	1	200 LPH

7	sludge Drying Beds	2	1.0x1.0x1.0
8	Solar Evaporation Pan	1	4.5x2.5x0.3
9	Permeate collection tank	1	500L

Air Emission Source:

S.No.	Source	Control measures	Top Dimensions (M)	Height (M)
1	Tube Welding - 1	Cyclone Separator and Dust Collector with Stack	0.8	19
2	Tube Welding - 2	Cyclone Separator and Dust Collector with Stack	0.8	19
3	DG Set 160 KVA	Acoustic Enclosures with Stack	0.1	5

Signature of the occupier/Factory Manager