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TSM/SPCB/BS-07/2023-07/351

June 19, 2023

The Member Secretary
State Pollution Control Board, Odisha
A/118, Paribesh Bhawan
Nilakanthanagar, Unit-VIII
Bhubaneswar -751012

Sub: Submission of hazardous waste annual return (Form-4) for the period April 2022 to March 2023.

Ref: Authorization no. IND-IV-HW-622/4619 dated 24.03.2023

Dear Sir,

In reference to the captioned subject and letter cited above. As per the provision of Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016; we are submitting hereby annual returns (Form-4) of said rules for the period April 1, 2022 to March 31, 2023 for our TATA Steel Ltd. Meramandali integrated steel plant attached as **Annexure-I**.

Hope, the information furnished is in line with the requirement.

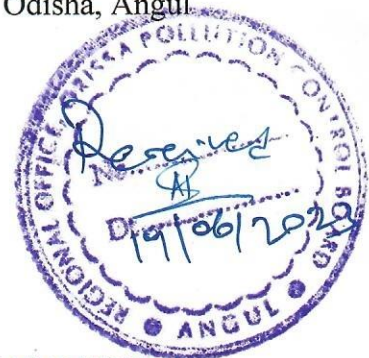
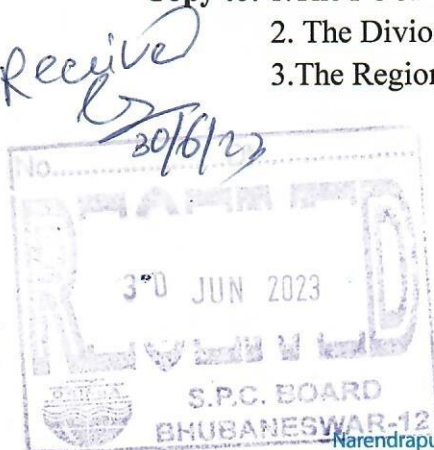
Thanking you,

Yours faithfully,
For Tata Steel Limited

Anoop Srivastava
Chief Environment, Tata Steel Meramandali

Enclosure: As above

Copy to: 1. The PCCF (C) MoEF&CC, Eastern Zone, Bhubaneswar
2. The Divisional Head, CPCB, Eastern Region, Kolkata
3. The Regional Officer, State Pollution Control Board, Odisha, Angul



TATA STEEL LIMITED

Narendrapur Kusupanga Meramandali Dhenkanal 759 121 Odisha India Tel 91 6762 352000
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

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FORM 4
[See rules 6(5), 13(8), 16(6) and 20 (2)]
FORM FOR FILING ANNUAL RETURNS

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

1. Name and address of facility:

Tata Steel Limited Meramandali
At-Narendrapur, PO- Kusupanga
Via- Meramandali, Dist-Dhenkanal
PIN-759121, Odisha (India)
Tel: 91-6762-300000

2. Authorisation no. and date of issue: Authorization no. IND-IV-HW-622/4619 dated 24.03.2023

3. Name of the authorised person and full address with telephone, fax and e-mail:

Anoop Srivastava
Chief-Environment
At-Narendrapur, Po- Kusupanga
Via- Meramandali, Dist-Dhenkanal
PIN-759121, Odisha (India)
Tel: 91-6762-300000
e-mail- officeofchiefemd.tsm@tatasteel.com

4. Production during the year:

Total Production (Crude Steel) during 2022-23: 4.95 MTPA

Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise:

SL	Waste Description	Schedule and Waste Stream/Class	Quantity (in Tonnes/KL)
1	Used /Spent Oil	Schedule -I Stream -5.1	256.0 T
2	Waste/Residue Containing Oil	Schedule -I Stream -5.2	36.7 T
3	Oil and grease skimming (Oily Sludge)	Schedule -II Class-C	122.0 T
4	Residue from Coke Oven by-product plant (BOD Plant Sludge)	Schedule- I Stream-13.6	2457.0 T

5	Decanter tank sludge and tar sludge tank residue	Schedule- I Stream-13.4 & 13.5	1498.9 T
6	Acidic & Alkali Residues/Spent Acid and Alkali	Schedule- I Stream-12.1 & 12.2	12.1 T
7	ETP Sludge of CRM/Chemical Sludge from wastewater Treatment Plant	Schedule- I Stream-35.3	780.0 T
8	Spent Ion Exchange Resin containing toxic metals.	Schedule- I Stream-35.2	-
9	Process wastes, Residues and sludges/ Spent Solvent (Waste Thinner-Oily Waste)	Schedule -I Stream -21.1 & 21.2	3.95 T
10	Insulation Materials generated from various units	Schedule -II Class-C	85.0 T
11	Empty Barrels/Containers/Liners contaminated with Hazardous chemicals/wastes	Schedule -I Stream -33.1	5957 Nos & 20.18 T
12	Exhaust Air or Gas Cleaning Residue /LD Sludge (BF, SMS and APC Dust)	Schedule -I Stream -35.1 & Schedule -II Stream -C2	188566 T
13	Zinc Dross/Ash/Skimmings/Residues	Schedule -IV Stream – (11 to 15)	510.0 T

2. Quantity dispatched

(i) to disposal facility:

SL	Waste Description	Quantity (in Tonnes/KL)	Name of the Disposal Facilities
1	Oil and grease skimming (Oily Sludge)	84.46 T	M/s Re-Sustainability Ltd. Jajpur, Odisha
2	Insulation material (Glass wool)	120.9 T	
3	Acidic & Alkali Residues/Spent Acid and Alkali	5.36 T	
4	ETP Sludge of CRM/Chemical Sludge from wastewater Treatment Plant	607.92 T	

(i) to recycler or co-processors or pre-processor:

SL	Waste Description	Quantity (in Tonnes/KL)	Name of the Reprocessing Facilities
1	Used /Spent Oil	267.9 T	M/s Bristol Petroleum Pvt. Ltd. At-26/5/D E, A.M. Ghosh Road, Budge,24 Parganas (S), WB
2	Empty Barrels/Containers/Liners contaminated with Hazardous chemicals/wastes	5957 Nos. & 20.1 T	M/s A.K. Enterprises M/s TAJ Traders M/s VISHAKHA STEEL TRADERS M/s Hindustan Tin Supply M/s ARNAV TRADERS M/s BHOLANATH WORKSHOP M/s AMMA BHAGWAN STEEL TRADERS
3	Zinc Dross/Ash/Skimmings/Residues	436 T	M/s Neelam Metal Products M/s Cosmo Agromet Industries M/s East Coast Bio-Tech Project M/s M/s Alfa Pigment & Chemicals (P) Ltd.
4	LD Sludge (BOF)	61017 T	M/s Ardent Steel Limited, Phulljhar, Kendujhar, Odisha

(ii) Others: Not Applicable

3. Quantity utilised in-house, if any:

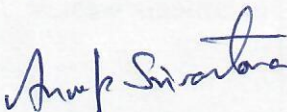
SL	Waste Description	Quantity (in Tonnes/KL)	Mode of utilization
1	Residue from Coke Oven by-product plant (BOD Plant Sludge)	2457 T	Internally reused in coke oven
2	Decanter tank sludge and tar sludge tank residue	1498.9 T	Internally reused in coke oven
3	Exhaust Air or Gas Cleaning Residue (BF-I &2) /APC Dust (FES Dust from SMS-II & Bag filter from SMS-III)	94009 T	Reused in sinter plant

4. Quantity in storage at the end of the year –

SL	Waste Description	Quantity (in Tonnes/KL)
1	Spent Ion Exchange Resin containing toxic metals.	3 T
2	Process wastes, Residues and sludges/ Spent Solvent (Waste Thinner–Oily Waste)	3.95 T
3	Waste/Residue Containing Oil	36.72 T

Date: 19.06.2023

Place: TSL Meramandali


f Signature of the Occupier or
Operator of the disposal facility