



Raju Agrawal
Head, Environment Clearance & Compliance (TSL)
Environment Management

EMD/C-23/251/21
September 22, 2021

The Member Secretary

Jharkhand State Pollution Control Board
T.A. Division Building, HEC Campus, Dhurwa
RANCHI – 834004

Subject: Environmental Statement 2020-2021 for Tata Steel Limited - Tata Main Hospital, Jamshedpur

Dear Sir,

This has reference to the captioned subject. Please find enclosed the “**Environmental Statement**” for Tata Steel Limited – Tata Main Hospital, Jamshedpur for the year 2020-2021 duly filled in the prescribed format is enclosed for your kind consideration.

Thanking you

Yours faithfully,
For Tata Steel Limited

Raju Agrawal
Head, Environment Clearance & Compliance (TSL)

Encl: As Above

Copy to: Regional Officer, Jharkhand State Pollution Control Board, Adityapur,
Jamshedpur – 831013

TATA STEEL LIMITED

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**ENVIRONMENTAL STATEMENT
FOR THE YEAR 2020-2021**

**Tata Main Hospital
TATA STEEL LIMITED**

**Submitted by:
ENVIRONMENT MANAGEMENT DEPARTMENT
TATA STEEL LIMITED
JAMSHEDPUR-831001
JHARKHAND**

Environmental Statement 2020-2021

[Form V]

Environmental Statement for the Financial Year ending 31/03/2021

PART A

(i)	Name & address of the owner/occupier of the industry operation or process:	Air Vice Marshal (Dr.) Sudhir Rai (Retd.) General Manager (Medical Services) Tata Main Hospital Tata Steel Limited Jamshedpur-831001 Jharkhand
(ii)	Industry Category	Medium Scale (Hospital)
	Primary STC Code:	Nil
	Secondary SIC Code	Nil
(iii)	Production Capacity	Not Applicable
(iv)	Year of Establishment	1907
(v)	Date of last Environment Statement submitted	September 18, 2020 vide letter no. EMD/C-23/404/20

PART B

WATER & RAW MATERIAL CONSUMPTION

i) Water Consumption

Water Consumption	During the current Financial year (2019-20)	During the current Financial year (2020-21)
Cooling and Domestic Consumption	1 163 903 KL (3233 Kl/Day)	931 341 KL (2544 Kl/Day)

ii) Raw Material Consumption:

Raw material is not consumed in TMH as the same is a hospital. The chemicals which are used are:

Name of raw material	Consumption of raw material per unit of output	
	During the previous financial year (2019-20)	During the current financial year (2020-2021)
Liquid Oxygen	5,36,360 m3	7,24,131 m3

Environmental Statement 2020-2021

PART C

Pollution Discharged to Environment / Unit of Output (Parameter As Specified In the Consent Issued)

(i) Hospital:

Pollutants	Concentrations of pollutants discharged (mass / volume)		Percentage of variation from prescribed standards
	(mg/L)		
(a)Water	2019-20	2020-21	
pH	7.7	7.6	-
TSS	23.5	10.4	-
Oil & Grease	1.9	1.3	-
BOD	6.6	5.7	-
COD	48.1	57.4	-
(b) Air	(mg/Nm ³)		
PM	NA	NA	-

*NA-Not Applicable (Incinerator is not in operation, as Bio-medical Waste is being disposed through CBMWTF)

(c) Ambient Air Quality (2020-21)

Parameter	Norm	UoM	Near CCU OFFICE		
			Max.	Min.	Average
Particulate Matter, PM ₁₀	100	µg/m ³	312	35	143
Particulate Matter, PM _{2.5}	60	µg/m ³	70	14	42
Sulphur Dioxide (SO ₂)	80	µg/m ³	25	5	11
Nitrogen Dioxide, (NO _x)	80	µg/m ³	66	10	34
Carbon Monoxide(CO)	2	mg/m ³	0	0	0
Ammonia (NH ₃)	400	µg/m ³	139	27	65
Ozone (O ₃)	100	µg/m ³	24	9	13
Lead (Pb)	1	µg/m ³	13	<5	12
Arsenic (As)	6	ng/m ³	NT	NT	NT
Nickel (Ni)	20	ng/m ³	0	0	0

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Benzene (C₆H₆)	5	µg/m ³	<0.1	<0.1	<0.1
Benzo alpha Pyrene (BaP)	1	ng/m ³	<0.1	<0.1	<0.1

*NT- Not Traceable

PART D

Bio Medical Waste

1. As Specified under Bio-Medical Waste Management Rules, 2016

Bio medical waste is generated from the process which is detailed below:

Category	Type of Waste (kg)	During the calendar year (2020)
Yellow	(a) Human Anatomical Waste:	11257
	(b) Animal Anatomical Waste:	0
	(c) Soiled Waste:	207121
	(d) Expired or Discarded Medicines:	180
	(e) Chemical Waste:	0
	(f) Chemical Liquid Waste:	34383
	(g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	263
	(h) Microbiology, Biotechnology and other clinical laboratory waste:	6754
	Sub Total (Yellow)	259985
Red	Contaminated Waste (Recyclable)	55209
	Sub Total (Red)	55209
White (Translucent)	Waste sharps including Metals:	1138
	Sub Total (White)	1138
Blue	(a) Glassware:	10938
	(b) Metallic Body Implants	109
	Sub Total (Blue)	11047

PART E

Solid Waste

Details are provided in part D, no separate solid waste

PART F

Chemical Composition of waste: N.A.

PART G

Impact of Pollution control measures taken on conservation of natural sources & cost of production

- We have grown more than 650 nos. of trees and maintain greenery in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity

PART H

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

- 06 nos. of rainwater harvesting cum-ground water recharge system are made.
- Hospital liquid waste is treated in Effluent treatment plant.
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PART I

Any other particulars for improving the quality of environment

- Tree planation drive was done to enhance green cover of Hospital (TMH) on world environment day.
- COVID-19 BMW management is being done as per CPCB Guidelines and reports are being submitted for the same.