



## FORM V

Environmental Audit Report for the financial Year ending the 31st March 2018

### Part A

#### Company Information

* Company Name	* Application UAN number	* Financial Year
Tata Steel Limited Cold Rolling Complex West	47671	2018
* Address		
MIDC,Tarapur Industrial Area,Post Box 22,Tarapur Industrial Estate Post Office , District Palghar,Maharashtra		
* Plot Number	* Taluka	* Village
S 76	Palghar	Boisar
* Capital Investment (In lakhs)	* Scale	
12400.5	LSI	
* City	* Pincode	
Boisar	401506	
* Person Name	* Designation	
Amol Mahajan	Manager EHS	
* Telephone Number	* Fax Number	* Email
02525295000	NA	amol.mahajan@tatasteel.com
* Region	* Industry Category	* Industry Type
SRO - Tarapur I	Red	R44 Industry or process involving metal surfac
* Last Environmental statement submitted online	* Consent Number	* Consent Issue Date
<input type="radio"/> No <input checked="" type="radio"/> Yes	Format 1.0/BO/CAC-Cell/EIC No:-TN-6155-15/CAC	26.04.2016
* Consent Valid Upto		
28.02.2020		

Save

#### Product Information

* Product Name	* Consent Quantity	* Actual Quantity	* UOM
Cold Rolled Steel Coils and Sheets	210000	180224	MT/A
Hot Rolled Pickled Skin Passed Coils	90000	100508	MT/A

Add More

#### By-product Information

* By Product Name	* Consent Quantity	* Actual Quantity	* UOM
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NA	NA	NA	MT/A
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Add More

## Part B

### 1) Water Consumption in m3/day

Sr. no	Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
1	Process	200	108
2	Cooling	360	177
3	Domestic	21	20.3
4	All others	11	0
	Total	592	305.3

### 1) Effluent Generation in CMD / MLD

* Particulars	* Consent Quantity	* Actual Quantity	* UOM
Trade effluent	200	00	CMD
Domestic Effluent	11	16	CMD

Add More

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

* Name of Products (Production)	* During the Previous financial Year	* During the current Financial year	* UOM
Combined Product-Cold Rolled Steel	00	0.392	Ton/Ton

Add More

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

* Name of Raw Materials	* During the Previous financial Year	* During the current Financial year	* UOM
Regenerated HCL Acid	00	80.46	Kg
Rolling Oil	00	0.0003	Kl
Alkali	00	0.197	Kg

Add More

### 4) Fuel Consumption

* Fuel Name	* Consent quantity	* Actual Quantity	* UOM
Furnace Oil	1825	0	KL/A
PNG	3379.9	53580	Mwh

HSD	2400	0	Ltr/A
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Add More

## Part C

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day or Kg/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	% variation	Standard	Reason
PH	NA	NA	NA	5.5-9	No Discha
Suspended Solids	NA	NA	NA	100	No Discha
BOD	NA	NA	NA	100	No Discha
COD	NA	NA	NA	250	No Discha
Oil and Greese	NA	NA	NA	10	No Discha
Heavy Metals _ Lead	NA	NA	NA	00	No Discha
Heavy Metals - Zinc	NA	NA	NA	00	No Discha
Heavy Metals - Iron	NA	NA	NA	00	No Discha
Heavy Metals - Copper	NA	NA	NA	00	No Discha

Add More

#### [B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day or Kg/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	% variation	Standard	Reason
Sulphur Dioxide	Negligible	0.01	-100 %	0.14	No FO u:
Particulate Matter	1.2	13	-91%	150	APC syste

Acid Mist	1.42	15.6	-55%	35	APC sysyt
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Add More

## Part D HAZARDOUS WASTES

[As specified under Hazardous Waste (Management Handling & Transboundary Movement Rules, 2008)]

### 1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used /spent oil	NIL	2.14	MT/A
12.1 Acid residue	8114.39	9324.42	MT/A
5.2 Wastes/residue containing oi	228.46	312.22	MT/A
3.3 Sludge and filters contaminat	NIL	NIL	MT/A

Add More

### 2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
34.3 Chemical sludge from waste	343.11	262.43	MT/A

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## Part E SOLID WASTES

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### 1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Metal Scrap	9957	12888.55	MT/A
Wood and Paper Scrap	54.98	57.12	MT/A
Process Dust	14.97	NIL	MT/A

Add More

### 2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	NA	NA	MT/A

Add More

### 3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
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NA	NA	NA	MT/A
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**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) Hazardous Waste**

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used /spent oil	2.14	MT/A	liquid,Non corrosive,
12.1 Acid residue	9324.42	MT/A	liquid, Corrosive
34.3 Chemical sludge from waste	262.43	MT/A	Solid, Iron content
5.2 Wastes/residue containing oi	312.22	MT/A	liquid, Non corrosive
3.3 Sludge and filters contaminat	Nil	MT/A	Liquid ,oily sludge
13.1 Process dust	Nil	MT/A	Solid, Iron content

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**2) Solid Waste**

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	NA	MT/A	NA

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**Part G**

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(In Lacs)	Reduction in Maintenance(In Lacs)
REVERSE OSMOS	304	NA	NA	NA	500	00
SWITCH OVE TO	NA	NA	NA	NA	20	5
HOT WATER GEN	NA	1825	NA	NA	10	2
REPLACMENT WI	NA	NA	NA	NOT ESTIMATED	5	1
TREE PLANTATIO	NA	NA	NA	NA	0.30	00

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**Part H**

## Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution

### [A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Reverse Osmosis	Reduction in water consumption and effluent qu.	500
Use of Cleaner Fuel P N G Gas	Reduction in equivalent Carbon Dioxide emissior	20
Use Of PNG Gas for hot water	Reduction in equivalent Carbon Dioxide emissior	10
Switch Over to LED lamps	Reduction in electricity consumption and equival	5
Tree Plantation	Sustainable developement and reduction in Carb	0.30

Add More

### [B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Use of Solar Panel for street Loghting with LED la	Reduction in electricity andequivalent Carbon Di	10
Avenue Platation	Sustainable developement and reduction in Carb	0.30

Add More

## Part I

### Any other particulars in respect of environmental protection and abatement of pollution

Particulars

With the introduction of cleaner fuel reduction in emissions and equivalent carbon dioxide was possible .With RO system reduction in water consumption and

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Name & Designation

Mr U R Desai Chief CRC West

**NOTE: Attached file must be in pdf format and size should be upto 2MB.**

Kindly attach Latest Consent copy

Choose File Tata Steel C... to 2020.pdf

Analysis report(Water & Air & Hazardous Waste) of the current year.(Analysis report from recognized laboratory by MoEF)

Choose File Air & Water ... Details.pdf

Capcha:



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