



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2017

Company Information

Company Name	Application UAN number		
JSW STEEL LTD (SINTER PLANT-I)	NA		
Address			
GEETAPURAM			
Plot no	Taluka	Village	
SINTER PLANT	PEN	DOLVI	
Capital Investment (In lakhs)	Scale	City	
36143	LARGE	RAIGAD	
Pincode	Person Name	Designation	
402107	Vitthal.Waghchaure	General Manager	
Telephone Number	Fax Number	Email	
2143-277501	2143-277542	Vitthal.Waghchaure@jsw.in	
Region	Industry Category	Industry Type	
SRO-Raigad II	Red	R53 Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units	
Last Environmental statement submitted online	Consent Number	Consent Issue Date	
yes	BO/JD(APC)/TB-3/EIC.NoRD-1728-10/O/CC-CAC-71	22/02/2016	
Consent Valid Upto			
31/12/2018			

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Sinter	2800000	1967003	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	NA	NA	MT/A

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	5251.4	619.90
Domestic	NA	NA
All others	25.9	15.36
Total	NA	NA
	5277.3	635.26

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
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Trade Effluent	Nil	NA	CMD
Domestic Effluent	23.31	18	CMD

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
Sinter (M3/Unit of Product)	0.1114	0.1178	CMD

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
Blended Ore	0.725	0.7146	MT/A
Sinter Fines	0.1848	0.1948	MT/A
ESP Fines (SMS GCP dust, BF flue dust, SIP sludge, DRI Dust)	0.0295	0.07024	MT/A
Lime Stone / fines	0.0524	0.04554	MT/A
Quicklime	0.0262	0.0320	MT/A
Dolomite	0.0686	0.02244	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coke (T/Day)	482.0	342.54	Qnt/Y
Coke Oven Gas (M3/Day)	60000	33868.5	Qnt/Y
Natural Gas (M3/Day)	30000	329.92	Qnt/Y

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
WPCS	NA	NA	NA	NA	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Fuel Bag Filter System	67.56	30.45	79.7	150	NA
Flux ESP	98.20	36.92	75.38	150	NA
Proportioning ESP	148.45	37.83	74.78	150	NA
Main ESP	643.02	49.06	67.29	150	NA
Sinter Discharge End & Sizing ESP	546.64	53.20	64.53	150	NA

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used /spent oil	17000	8600	Ltr/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	Ltr/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
sinter fines	354147	429478	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
ESP fines	1221	1935.57	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	355368	431413.57	MT/A

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	8600	Ltr/A	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
The Solid waste (Sinter & ESP Fines) generated from	431413.57	MT/A	This has been recycled at Sinter plant for Sinter Making .

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)
WPCS	NA	NA	NA	NA	36144	NA

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)
NA	NA	NA

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	NA

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

Particulars

The company is well aware of surrounding Environment. JSW Steel Limited has planted large number of trees in the plant premises as per the guidelines given by MPCB. We are maintaining the full-fledged Nursery managed by a qualified Horticulture Officers to develop plants for our in house requirement. Till date about 200564 Nos. big trees and 493781 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

Name & Designation

Vitthal.Waghchaure General Manager