ENVIRONMENT STATEMENT REPORT

2023-24

JSW STEEL LTD, DOLVI WORKS

Plant wise Environment Statement report for plants under JSW Steel ltd, Dolvi Works

ENVIRONMENTAL MANAGEMENT DEPARTMENT

JSW STEEL LTD, DOLVI WORKS, TALUKA PEN, RAIGAD-DISTRICT, MAHARASHTRA 402107

Environment Statement for plants under Phase 1
(Sponge Iron Plant, Hot Strip Mill 1, Blast Furnace 1, Sinter Plant 1 & 2, Lime Calcination Plant 1, 2 and 4



FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number

MPCB-ENVIRONMENT STATEMENT-0000072775

Submitted Date

PART A

Compan	v Inf	form	ation
Compan	y	OI III	acivii

Company Name

JSW STEEL LIMITED PHASE I (SIP,BF-1,HSM-1,Sinter1& 2,LCP1,2,4)

Address

1442700

GEETAPURM dOLVI

Plot no Taluka PEN

78,79,80,81,82,83,84,85,86,87,88,89,90,94,95,101,104,106,107,10 8,109

Scale **LARGE**

Application UAN number

MPCB-CONSENT-0000165700

Pincode Person Name

DR.ANAND RAI 402107

Telephone Number

Capital Investment (In lakhs)

02143663000

Region SRO-Raigad II

yes

Red

Industry Category

Fax Number

000

Consent Number

Format1.0/CAC/UAN No.0000165700/CR/2402000210

Establishment Year

1994

27-09-2024

DOLVI VILLAGE VILLAGE

Village

City PEN

Designation

VICE PRESIDENT(HOD

ENVIRONMENT)

Email

anand.rai@jsw.in

Industry Type

R53 Iron & Steel (involving processing

from ore/ integrated steel plants) and or Sponge Iron units

Consent Issue Date

2024-02-02

Date of last

environment statement submitted

Sep 18 2023 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Last Environmental statement submitted online

Product Information

Consent Valid Upto

2028-12-31

Product Name	Consent Quantity	Actual Quantity	UOM
Calcinated Lime/ Calcinated Dolomite(LCP-1,2,4)	1200	866	Ton/Ton
Liquid Metal/Pig Iron (Blast Furnace-I1)	3.5	2.85	MT/A
Hot Rolled Coil (Hot Strip Mill-I)	3.5	3.44	MT/A

Pulverized Dry Coal	0.9	0.44	MT/A
Direct Reduced Iron	2	1.35	MT/A
Sinter I	2.8	2.45	MT/A
Sinter I I	2.5	2.84	MT/A
Electric Power from Top gas recovery Turbine	12	5.18	Mwh
Granulated Slag	1.28	1.03	MT/A

By-product Information			
By Product Name	Consent Quantity	Actual Quantity	UOM
NA	0	0	Ton/Y

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day Water Consumption for Process	Consent Quantity in m3/day 53288.00	Actual Quantity in m3/day 23688.00
Cooling	0.00	0.00
Domestic	87.00	72.00
All others	0.00	0.00
Total	53375.00	23760.00

2) Effluent Generation in CMD / MLD			
Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	9592	4264	CMD
DOMASTIC EFFLUENT	70	57.6	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
Calcinated Lime/ Calcinated Dolomite (M3/UNIT OF PRODUCT)	0.23	0.20	Ton/Ton
Direct Reduced Iron(M3/UNIT OF PRODUCT)	0.78	0.75	Ton/Ton
Hot Rolled Coil (Hot Strip Mill-I)(M3/UNIT OF PRODUCT)	0.85	1.03	Ton/Ton
Liquid Metal/Pig Iron (Blast Furnace-I) (M3/UNIT OF PRODUCT)	0.97	1.17	Ton/Ton
SINTER I & II (M3/UNIT OF PRODUCT)	0.11	0.076	Ton/Ton

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
COKE	0.384	0.418	Ton/Ton
IRON ORE	0.090	0.039	Ton/Ton
PELLETS	1.012	0.985	Ton/Ton
SINTER	0.728	0.775	Ton/Ton
QUARTZ	0.0023	0.002	Ton/Ton
DOLOMITE	0.030	0.004	Ton/Ton

LIMESTONE	0.028	0.014	Ton/Ton
ARCL Pellets (Gross)	1.268	1.266	Ton/Ton
NMDC - Bacheli Lump (Gross)	0.0044	0.0017	Ton/Ton
Kirandul Lump (Gross)	0.379	0.326	Ton/Ton
LIMESTONE	2.15	1.63	Ton/Ton
Dolomite	1.99	2.92	Ton/Ton
NMDC BACHELI	0.004	0.017	Ton/Ton
Ore Fines - Odisha (Medium Grade)	0.126	0.019	Ton/Ton
Ore Fines - Odisha (Low Grade)	0.190	0.078	Ton/Ton
Ore Fines - Odisha (High Grade)	0.054	0.077	Ton/Ton
Ore Fines - FMG	0.016	0.157	Ton/Ton
Karnataka/MEL Fines	0.131	0.022	Ton/Ton
METALLIC (DRI/HBI, HOTMETAL, SCRAPE)	1.700	1.475	Ton/Ton
FLUXES LIKE LIME, FLUX DOLO, RAW DOLOMITE CALCINATED BAUXITE, FLOURSPAR 1	0.134	0.1007	Ton/Ton
ELECTRODES - 450,610	0.0013	0.001	Ton/Ton
CARBURIZERS LIKE COKE BREEZE, NUT COKE, CPC	0.0069	0.008	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity UOM	
COKE	0	970428 Ton/Y	
NUT COKE	0	122777 Ton/Y	
PCI	0	487435 Ton/Y	
BF GAS	0	2306864047 NM3/Ann	um
COKE OVEN GAS	0	63852840 NM3/Ann	um
NATURAL GAS	0	345620687 NM3/Ann	um
OXYGEN	0	534183231 NM3/Ann	um
NITROGEN	0	295916321 NM3/Ann	um
POWER	0	403253138 Mwh	
RLNG	0	22802 NM3/Ann	um

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) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
NA	0	0	0	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

Cast Hous	se Dedusting system	347.1	19.6	No Variatio	NA	NA
Stock Hou	use- 1	156	27.9	No Variatio	NA	NA
Stock Hou	use- 2	83.3	18.1	No Variatio	NA	NA
Stock Hou	use- 3	7.1	26	No Variatio	NA	NA
Stove sta	ck	70.0	5.9	No Variatio	NA	NA
16 TPH Bo	oiler Stack	16.0	17.5	No Variatio	NA	NA
Coal Injec	tion Plant STACK	45.6	28.9	No Variatio	NA	NA
GCP - I St	ack	486.8	10.3	No Variatio	NA	NA
GCP - II St	tack	305.6	8.8	No Variatio	NA	NA
GCP - III S	Stack	52.7	6.8	No Variatio	NA	NA
GCP - IV S	Stack	7.8	10.2	No Variatio	NA	NA
Tunnel Fu	ırnace - I - A Stack	1.8	9.9	No Variatio	NA	NA
Tunnel Fu	ırnace - I - B Stack	1.5	8.7	No Variatio	NA	NA
Tunnel Fu	ırnace - II - A Stack	1.9	9.2	No Variatio	NA	NA
Tunnel Fu	ırnace - II - B Stack	1.1	6.2	No Variatio	NA	NA
DRI De-Di	usting System Stack	2.7	26.5	No Variatio	NA	NA
Flue Gas	Ejector Stack	98.3	10.2	No Variatio	NA	NA
Furnace [Oust Collector Stack	8.4	17.4	No Variatio	NA	NA
Screen Du	ust Collector Stack C304	10.1	20.7	No Variatio	NA	NA
Screen Du	ust Collector Stack I	13.5	20.7	No Variatio	NA	NA
Screen Du	ust Collector Stack II	7.3	18.5	No Variatio	NA	NA
Product S	ilo Dust Collector Stack	5.6	13.0	No Variatio	NA	NA
Fuel Bag	Filter Stack	23.6	21.1	No Variatio	NA	NA
Flux ESP S	Stack	39.2	21.9	No Variatio	NA	NA
Propotion	ing ESP Stack	49.3	26.7	No Variatio	NA	NA
Main Stac	:k	755.0	38.6	No Variatio	NA	NA
Product S End ESP S	inter Sizing & Discharge Stack	428.3	32.1	No Variatio	NA	NA
Main ESP		954.6	28.2	No Variatio	NA	NA
Bag Filter Building	- 1 (Flux/Fuel Crush or	16.3	13.6	No Variatio	NA	NA
Bag Filter Building)	- 2 (Flux/Fuel Screen	12.6	18	No Variatio	NA	NA
Bag Filter Screen Bu	- 3(Near Sinter Product uilding)	8.7	17.2	No Variatio	NA	NA
Bag Filter Crusher &	- 4 (Near Sinter Product k HLQRF)	10.8	21.3	No Variatio	NA	NA
Bag Filter JHO8)	- 5 (Near Banker House &	9.2	22.1	No Variatio	NA	NA
Bag Filter	- 6(Banker House)	4.5	13.1	No Variatio	NA	NA
Bag Filter Building)	- 7 (Fuel Storage Crusher	7.1	14.7	No Variatio	NA	NA
Limestone for Kiln I &	e De-dusting system stack & II	5.7	14.6	No Variatio	NA	NA

Kiln - I Stack	15.8	18.6	No Variatio	NA	NA
Kiln - II Stack	19.2	19.7	No Variatio	NA	NA
Lime De-dusting system Stack for Kiln I $\&$ II	5.5	12.2	No Variatio	NA	NA
Kiln - IV Stack	21.2	17.7	No Variatio	NA	NA
Limestone De-dusting system stack for Kiln IV	6.0	13.6	No Variatio	NA	NA
Lime De-dusting system Stack for Kiln IV	7.2	17.2	No Variatio	NA	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	258	770	KL/A
5.2 Wastes or residues containing oil	922	809	Kg/Annum
3.3 Sludge and filters contaminated with oil	0.53	0.11	Kg/Annum
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	5787	4477	Nos./Y

2) From Pollution Control Facilities

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

Part-E

SOLID WASTES 1) From Process

1) From Process	Total Booton Booton Street	Total Books of Comment Financial or	
BLAST FURNACE SLAG	Total During Previous Financial year 83539	Total During Current Financial year 1031443	UOM Ton/Y
COKE FINES	270100	222731	Ton/Y
OXIDE FINES	282851	209526	Ton/Y
SINTER FINES	376485	320741	Ton/Y
Iron Ore Oxide Fines	267841	246224	Ton/Y
CALCINATED LIME FINES	183261	29175	Ton/Y
LIME WASTE GAS POWDER	2702	6475.7	Ton/Y
LIME STONE DUST QUICK LIME	59370	94825	Ton/Y
SINTER FINES	771817.5	667941.5	Ton/Y
OXIDE FINES	608021.7	622140.8	Ton/Y
TUNDESH SKULL	6453	3951	Ton/Y
EAF SLAG	900042	860280	Ton/Y
LF SLAG	154627	165421	Ton/Y
MILL SCALE	35546	29465	Ton/Y

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
DUST FROM APC SYSTEM	13880	75767	Ton/Y
WWTP SLUDGE	95705	23075	Ton/Y
FINES GENERATION FROM RAW MATERIAL	8322.24	530267	Ton/Y
Sludge Generation	109823	123195	Ton/Y
ESP FINES	4172	4130	Ton/Y
GCP DUST	118628	128695	Ton/Y
Chamber Dust + HTQ Dust	19763	21737	Ton/Y
DRI DUST FROM DE-DUSTING SYSTEM OF SMS	2160	2208	Ton/Y

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Other Hazardous Waste	0	0	Ton/Y

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 or spent oil	770	KL/A	sale to authorized recycler
5.2 Wastes or residues containing oil	809	Kg/Annum	used in furnace
3.3 Sludge and filters contaminated with oil	0.11	Ton/Y	sale to authorized recycler
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4477	Nos./Y	sale to authorized recycler

2) Solid Waste

Type of Solid Waste Generated	• •		Concentration of Solid Waste
BLAST FURNACE SLAG	1031443	Ion/Y	Sale to cement plant
COKE FINES	222731	Ton/Y	Used in sinter plant
OXIDE FINES	209526	Ton/Y	Used in sinter plant
SINTER FINES	320741	Ton/Y	Used in sinter plant
Iron Ore Oxide Fines	123195	Ton/Y	Used in sinter plant
LIME WASTE GAS POWDER dust	6475.7	Ton/Y	Used in sinter plant
lime stone fines QUICK LIME	94825	Ton/Y	Used in sinter plant
SINTER FINES	667941.5	Ton/Y	Used in sinter plant
OXIDE FINES	622140.8	Ton/Y	Used in sinter plant
Tundesh SKULL	3951	Ton/Y	Used in sinter plant
EAF SLAG	860280	Ton/Y	Non-metallic slag is used for internal road making, construction purpose & land levelling.
LF Slag	165421	Ton/Y	used for land levelling.
MILL SCALE	29465	Ton/Y	Used in sinter plant
DUST FROM APC SYSTEM GCP, DUST CATCHER	75767	Ton/Y	Used in sinter plant

WWTP SLUDGE	23075	Ton/Y Used in sinter plant
FINES GENERATION FROM RAW MATERIAL	530267	Ton/Y Used in sinter plant
Sludge Generation	123195	Ton/Y Used in sinter plant
GCP DUST	128695	Ton/Y Used in sinter plant
Chamber Dust + HTQ Dust	21732	Ton/Y Used in sinter plant
DRI DUST FROM DE-DUSTING SYSTEM OF SMS	2208	Ton/Y Used in sinter plant

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)
0	0	0	0	0	1442700	0

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)
NA	NA	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

The company is aware of surrounding Environment. JSW Steel Limited has planted a large number of trees on 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 215925 Nos. big trees and 8565972 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

Name & Designation

DR.ANAND RAI VICE PRESIDENT (HOD-ENVIRONMENT)

UAN No:

MPCB-ENVIRONMENT STATEMENT-0000072775

Submitted On:

27-09-2024

Environment Statement for plants under Phase 2

Steel Melting Shop 2, Hot Strip Mill 2, Blast Furnace 2, Lime
Calcination Plant 5, 6 & 7, 240 MW Captive Power Plant,
Billet Caster & bar Mill



FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000070367

Submitted Date

19-09-2024

PART A

Company Information

Company Name

JSW STEEL LIMITED (LIME CALCINATION

PLANT-3))

Address

GEETAPURM dOLVI

Plot no

107.108

Capital Investment (In lakhs)

7843

Pincode 402107

Telephone Number 02143663000

Region

SRO-Raigad II

Last Environmental statement submitted online

yes

Consent Valid Upto

2027-09-30

Application UAN number

MPCB-CONSENT-0000148643

Taluka

PFN Scale

LARGE

Person Name DR.ANAND RAI

Fax Number

000

Industry Category

Orange

Consent Number

Format 1.0/CAC/UAN NO.0000148643/CR-2301001897

Establishment Year

2013

Village

DOLVI VILLAGE VILLAGE

City PEN

Designation

VICE PRESIDENT(HOD ENVIRONMENT)

Email

anand.rai@jsw.in

Industry Type

O43 Lime manufacturing (using lime

Consent Issue Date

2023-01-23

Date of last environment statement submitted

Sep 13 2023 12:00:00:000AM

Product Information

Secondary (STC Code)

Industry Category Primary (STC Code) &

Product Name Calcinated Lime **Consent Quantity** 219154

Consent Quantity

Actual Quantity 185026.3

UOM Ton/Y

By-product Information

By Product Name

NA

0

Actual Quantity

0

UOM Ton/Y

Part-B (Water & Raw Material Consumption)

1) Water Consump		m3/day	Consent Q	uantity i	n m3/da	-	Actual Quant	tity in m3/d	ay
Process		0.00			0.00				
Cooling			14.00				12.00		
Domestic			4.00				2.00		
All others			0.00				0.00		
Total			18.00				14.00		
2) Effluent Gene Particulars	ration in	CMD / MLD		Conso	nt Quan	atity	Actual Quan	+i+v	иом
TRADE EFFLUENT				0	iit Quaii	icity	0	city	CMD
DOMASTIC EFFLUE	ENT			3			1.60		CMD
			ption (cubic meter of	F					
process water p Name of Produc					During t inancia	he Previous I Year	During th	ne current year	UOM
CALCINATED LIME	(M3/UNIT	OF PRODUCT)		0	0.023		0.032		Ton/Ton
3) Raw Material per unit of prod		otion (Consum _l	ption of raw material						
Name of Raw Ma					the Pro		During the o		иом
LIME STONE				financ i 2.23	ial Year		Financial ye 2.28	ear	Ton/Ton
4) Fuel Consum	otion								
Fuel Name Coke Oven Gas			Consent quant 0	tity	2406	al Quantity 4482		UOM NM3/Annum	
BF Gas			0		3245	9279		NM3/Annum	
POWER			0		1069	5.899		Mwh	
RE LIQUIFIED NAT	URAL GAS		0		1911	0		NM3/Annum	
Part-C									
	rged to e	nvironment/un	nit of output (Parame	ter as sp	ecified	in the cons	ent issued)		
[A] Water Pollutants Detail	Quantit Polluta dischar Quantit	nts ged (kL/day)	Concentration of Po discharged(Mg/Lit) PH,Temp,Colour Concentration			from preso	with reasons		rd Reason
NA	0		0			0		NA	NA
[B] Air (Stack)	.,	Oue attended	6			D			
Pollutants Detai	il	Quantity of Pollutants discharged (kL/day)	Concentratio discharged(M	/1g/NM3)	utants	from pre standard	ls with reasoi		
Limostono Do des	tina	Quantity	Concentratio	n		%variatio			rd Reason
Limestone De-dus system stack for k		6.5	13.6			No Variati	U	50	NA

Kiln - III Stack

25.2

18.4

No Variatio

50

NA

Quick Lime & Lime De- dusting system Stack for Kiln III	7.3	14.2		No Variatio	50	NA
Part-D						
HAZARDOUS WASTES 1) From Process						
Hazardous Waste Type 7 5.1 Used or spent oil 2	Total During 2000	Previous Financial year	Tot 200	al During Current Finan 0	ocial year	UOM Ltr/A
2) From Pollution Control						
Hazardous Waste Type 0	Total Du 0	ring Previous Financial year	Т с	otal During Current Fina	nncial year	UOM Ltr/A
Part-E						
		ıring Previous Financial year		Total During Current Fir	nancial year	иом
CALCINATED LIME FINES	8378		(Ton/Y
WASTE GAS POWDER	2962.13			3330.488		Ton/Y
QUICK LIME	120028]	112561		Ton/Y
2) From Pollution Control					,	
Non Hazardous Waste Typ NA		Total During Previous Financia)	ı year	Total During Current 0	Financial year	UOM Ton/Y
3) Quantity Recycled or R	e-utilized w	ithin the				
Waste Type		Total During Pre Financial year	evious	Total During C year	urrent Financial	ИОМ
Other Hazardous Waste		131368.13		115891.488		Ton/Y
Part-F						
		terms of concentration and qu r both these categories of wa		of hazardous as well as	s solid wastes an	nd .
1) Hazardous Waste Type of Hazardous Waste 5.1 Used or spent oil	Generated	Qty of Hazardous Waste 2000		UOM Concentra Ltr/A Sale to MPC		
2) Solid Waste		Oty of Solid Wasto		OM Concentration		

Type of Solid Waste Generated **Qty of Solid Waste UOM Concentration of Solid Waste**

NA Ton/Y NA

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)		Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
0	0	0	0	0	784300	0

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 Capital Investment

Measures (Lacks)

NA NA NA 0

[B] Investment Proposed for next Year

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

A NA

Part-I

Any other particulars for improving the quality of the environment.

Particulars

The company is aware of surrounding Environment. JSW Steel Limited has planted a large number of trees on 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 215925 Nos. big trees and 8565972 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

Name & Designation

DR.ANAND RAI VICE PRESIDENT (HOD-ENVIRONMENT)

UAN No:

MPCB-ENVIRONMENT STATEMENT-0000070367

Submitted On:

19-09-2024

Environment Statement for plants under Phase 1 55 MW Captive Power Plant



FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number

MPCB-ENVIRONMENT STATEMENT-0000070394

Submitted Date

19-09-2024

PART A

Company Information

Company Name

JSW STEEL LIMITED (55 MW CAPTIVE

POWER PLANT)

Address

GEETAPURM dOLVI

Plot no

129,130 A,130B,131,132 KHAR KARAV

VILLAGE

Capital Investment (In lakhs)

18003.00

Pincode 402107

Telephone Number

02143663000

Region

SRO-Raigad II

Taluka

PFN

Scale

LARGE

Person Name

Application UAN number

MPCB-CONSENT-0000144072

DR.ANAND RAI

Fax Number

000

Red

anand.rai@jsw.in

Industry Category Industry Type

> R9 Power generation plant [except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of

VICE PRESIDENT(HOD ENVIRONMENT)

capacity <25MW]

Consent Issue Date

Village

City

PEN

Email

Designation

DOLVI VILLAGE VILLAGE

Last Environmental statement

submitted online

Consent Valid Upto

2027-08-31

yes

Consent Number

Format1.0/CAC/UAN

No.0000144072/CR/2303001159

Establishment Year

2013

Date of last environment statement

submitted

2023-03-16

Sep 14 2023 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name Consent Quantity Electricity Generation (Gas based Captive Power Plant) 55

44.21

Actual Quantity

UOM Mwh

By-product Information

By Product Name **Actual Quantity UOM Consent Quantity** NA 0 Λ Ton/Y

Part-B (Water & Raw Material Consumption)

Water Consumpti Process	ption in m3/day on for	Consent Qu	antity in m3/	-	Actual Quantity 0.00	/ in m3/da	у
Cooling		4746.00			2660.00		
Domestic		5.00			4.00		
All others		10.00			8.00		
Total		4761.00			2672.00		
	ation in CMD / MLD						
Particulars TRADE EFFLUENT			Consent Qu 991	antity	Actual Quantit 559	•	<i>UOM</i> CMD
DOMASTIC EFFLUEN	NT		3		3		CMD
	Process Water Consum	ption (cubic meter of					
Name of Products				g the Previous ial Year	During the Financial ye		иом
Power Generation (Power Generation (M3/UNIT OF PRODUCT)		0.250		0.200		Ton/Ton
3) Raw Material C material per unit	Consumption (Consump	otion of raw					
Name of Raw Mat			During the F		During the cur Financial year	rent	UOM
Raw water			0.250		0.200		Ton/Ton
4) Fuel Consumpt	tion	Consent quantity	Act	ual Quantity	UOM	1	
Coke Oven Gas		0	203			Annum	
BF Gas		0	123	924	NM3/	Annum	
Natural gas		0	54		NM3/	Annum	
Part-C							
Dellution dischau	ged to environment/ur	it of output (Paramet	er as specific	ed in the cons	ent issued)		
[A] Water Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pol discharged(Mg/Lit) E PH,Temp,Colour Concentration		Percentago from presc standards %variation	ribed with reasons	Standar	d Reason
[A] Water Pollutants	Pollutants	discharged(Mg/Lit) E PH,Temp,Colour		from presc standards	ribed with reasons	Standard NA	d Reason NA
[A] Water Pollutants Detail	Pollutants discharged (kL/day) Quantity 0	discharged(Mg/Lit) I PH,Temp,Colour Concentration	ellutants	from presc standards %variation 0 Percentage	ribed with reasons of variation ibed standards	NA	

HAZARDOUS	S WASTES								
1) From Pro		Total Di	ıring Previous Fin	ancial vear	Total	Durina C	urrent Financia	al vear	иом
5.1 Used or s		1400	ing revious riii	unciur yeur	6400	During C	arrene i manen	ar year	Ltr/A
2) From Poli	lution Contr	ol Facilit	ies						
Hazardous V	Waste Type		al During Previous	s Financial year		l During	Current Financ	cial year	UOM
0		0			0				Ltr/A
Part-E									
SOLID WAS									
1) From Pro		ivne Tot	al During Previou	s Einancial vea	r Tot	al Durino	Current Finan	ocial vear	иом
NA NA	ous waste i	γρε τοι 0	ai builily Fleviou	s Filialiciai yeal	0	ai Duillig	Current Finan	iciai yeai	Ton/Y
		·			·				
2) From Poli									
Non Hazard NA	ous Waste T	уре	Total During 0	Previous Financ	-	Total Du 0	ring Current Fi	inancial year	UOM Ton/Y
INA			U			U			1011/1
3) Ouantity	Recycled or	Re-utiliz	ed within the uni	<u> </u>					
Waste Type				Total During	Previous Fin		otal During Cu	rrent Financia	I UOM
Obb 11	W			year ^		_	rear		T 0/
Other Hazard	ous waste			0		0			Ton/Y
Part-F									
			es(in terms of conc ed for both these			hazardo	us as well as s	olid wastes an	d
marcate ais	posar practi	ce adopt	ed for both these	categories or n	rustes:				
1) Hazardou		ta Canar	ated Qty of Haza	rdoug Wosto		UOM	Concentratio	n of Usesuday	a Wasta
5.1 Used or s		te Gener	6400	rdous Waste			Sale to MPCB		
2) Solid Was	ste								
Type of Soli		nerated	Qt	y of Solid Waste	e UOI	м Со	ncentration of	Solid Waste	
NA			0		Ton	Y NA	1		
Part-G									
Impact of the production.	ne pollution	Control n	neasures taken o	n conservation	of natural re	sources	and consequen	ntly on the cost	t of
Description	Reduction Water Consumpti (M3/day)	on (Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	li	Capital nvestment(in acs)	Reduction i Maintenand Lacs)	
0	0)	0	0	1	8003	0	
Part-H									

Detail of measures for Environmental Protection

Environmental Protection Measures

(Lacks)

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection Environmental Protection Measures

NA

Capital Investment (Lacks)

Capital Investment

Part-I

NA

Any other particulars for improving the quality of the environment.

Particulars

The company is aware of surrounding Environment. JSW Steel Limited has planted a large number of trees on 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 215925 Nos. big trees and 8565972 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

Name & Designation

DR.ANAND RAI VICE PRESIDENT (HOD-ENVIRONMENT)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000070394

Submitted On:

19-09-2024

Environment Statement for plants under Phase 2

Steel Melting Shop 2, Hot Strip Mill 2, Blast Furnace 2, Lime
Calcination Plant 5, 6 & 7, 240 MW Captive Power Plant,
Billet Caster & bar Mill



FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000070718

Submitted Date

21-09-2024

PART A

Company Information

Company Name

JSW STEEL LIMITED (INTEGREATED STEEL PLANT 5-10 MTPA) MPCB-CONSENT-0000136178

Address

GEETAPURM dOLVI

Plot no

42,43,50,44,45,54,55,56,33,32,38,49,75,77,139,142

Capital Investment (In lakhs)

1928700

Pincode

402107

Telephone Number

02143663000

Region

SRO-Raigad II

Last Environmental statement submitted online

yes

Consent Valid Upto

2024-04-30

Industry Category Primary (STC Code) & Secondary (STC Code)

Application UAN number

Taluka

PEN

Scale **LARGE**

Person Name

DR.ANAND RAI

Fax Number

000

Industry Category

Red

Consent Number

Format 1.0/CAC /UAN NO.0000136178/CR-2303000522

Establishment Year

2021

Village

DOLVI VILLAGE VILLAGE

City

PEN

Designation

VICE PRESIDENT(HOD **ENVIRONMENT)**

Email

anand.rai@jsw.in

Industry Type

R53 Iron & Steel (involving processing from ore/integrated steel plants) and or Sponge

Iron units

Consent Issue Date

2023-03-08

Date of last environment statement submitted

Sep 29 2023 12:00:00:000AM

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Calcinated Lime (LCP-5,6,7)	1800	1643.18	Ton/Ton
Pellet (Pellet plant II)	9000000	6712587	MT/A
Crude steel/ Steel Slab (Steel Melting Shop-II)	6200000	4701799	MT/A
Hot Rolled Coil (Hot Strip Mill-II)	5000000	4419338	MT/A
Liquid Metal/Pig Iron (Blast Furnace-II)	4500000	4769008	MT/A
Power Generation	2465	164.72	MT/A

Billets	1500000	700676	MT/A
TMT Bar	1400000	789369	MT/A
Electric Power from Top gas recovery Turbine	37.25	19.26	Mwh

By-prod	uct I	nform	ation

By Product NameConsent QuantityActual QuantityUOMNA00Ton/Y

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day 0.00
Cooling	88085.00	36492.00
Domestic	300.00	290.00
All others	7349.20	5909.00
Total	95734.20	42691.00

2) Effluent Generation in CMD / MLD			
Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	19265	7981	CMD
DOMASTIC EFFLUENT	258	242	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
Calcinated Lime (LCP-5,6,7) (M3/UNIT OF PRODUCT)	0.37	0.13	Ton/Ton
Pellet (Pellet plant II) (M3/UNIT OF PRODUCT)	0.12	0.10	Ton/Ton
Crude steel/ Steel Slab (Steel Melting Shop-II) (M3/UNIT OF PRODUCT)	0.59	0.61	Ton/Ton
Hot Rolled Coil (Hot Strip Mill-II)(M3/UNIT OF PRODUCT)	0.42	0.37	Ton/Ton
Liquid Metal/Pig Iron (Blast Furnace-II) (M3/UNIT OF PRODUCT)	0.76	0.61	Ton/Ton
BILLET CASTER BAR MILL (M3/UNIT OF PRODUCT)	0.72	0.33	Ton/Ton

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	иом
COKE	0.404	0.370	Ton/Ton
IRON ORE	0.045	0.024	Ton/Ton
PELLETS	0.1170	1.174	Ton/Ton
SINTER	0.691	0.673	Ton/Ton
QUARTZ	0.0007	0.001	Ton/Ton
DOLOMITE	0.080	0.008	Ton/Ton
LIMESTONE	0.041	0.015	Ton/Ton
COAL	0.020	0.216	Ton/Ton

Iron Ore Fines - Bacheli	0.437	0.4008	Ton/Ton
Iron Ore Fines - Odisha Fines (Low Grade)	0.305	0.057	Ton/Ton
Iron Ore Fines - Jabalpur Fines	0.0008	0.0007	Ton/Ton
Iron Ore Fines - Odisha Fines (High Grade)	0.049	0.1292	Ton/Ton
Iron Ore Fines - Odisha Fines (Medium Grade)	0.150	0.0357	Ton/Ton
Iron Ore Fines - Oxide Fines	0.061	0.0303	Ton/Ton
METALLIC (DRI/HBI, HOTMETAL, SCRAPE)	1.122	1.146	Ton/Ton
LIQUID STEEL	1.029	1.014	Ton/Ton
HOT METAL SLAB	1.122	0.0934	Ton/Ton

4	Fuel	Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
COKE	0	1369921	Ton/Y
NUT COKE	0	212843	Ton/Y
PCI	0	1029823	Ton/Y
BF GAS	0	3885493154	NM3/Annum
COKE OVEN GAS	0	81055407.66	NM3/Annum
NATURAL GAS	0	7376993	NM3/Annum
OXYGEN	0	764176767	NM3/Annum
NITROGEN	0	446274922	NM3/Annum
LD Gas Generation	0	232601574	NM3/Annum
POWER	0	290232.681	Mwh
COKE & CPC	0	1848	Ton/Y

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) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
NA	0	0	0	NA	NA

ΓR	I Air	(Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
Kiln -5	21.2	16.9	No Variatio	NA	NA
Kiln -6	23.1	18.6	No Variatio	NA	NA
Kiln -7	23.3	18.7	No Variatio	NA	NA
PELLET-2 Process ESP Stack	1607.7	26.6	No Variatio	NA	NA
PELLET-2 De Dusting ESP Stack	111.2	20.1	No Variatio	NA	NA
PELLET-2 Storage Bin Stack	15.5	19.2	No Variatio	NA	NA

SMS-2 Secondary De-Dusting Stack	700.8	23.6	No Variatio	NA	NA
HSM-2 Reheating Furnace Stack	216	9.7	No Variatio	NA	NA
HSM-2 Reheating Furnace Stack	211.5	10.1	No Variatio	NA	NA
HSM-2 Fume Exhaust Stack	13.3	10.7	No Variatio	NA	NA
BF-2 Cast House Dedusting System	239.4	19.4	No Variatio	NA	NA
BF-2 Stock House De System Stack-1	736.7	21.3	No Variatio	NA	NA
BF-2 Stock House De System Stack-2	63.6	20.7	No Variatio	NA	NA
BF-2 Stock House De System Stack 3	14	18.3	No Variatio	NA	NA
BF-2 Coal Injection Stack	50.8	18.9	No Variatio	NA	NA
BF-2 Pig Iron Granulation Stack	4.7	9.0	No Variatio	NA	NA
BF-2 Stove stack	119.4	9.7	No Variatio	NA	NA
Boiler Stack 175 MW CPP	47.7	5.9	No Variatio	NA	NA

Part-D

HAZARDOUS WASTES			
1) From Process			
Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	57.8	153.4	KL/A
5.2 Wastes or residues containing oil	10550	472	Kg/Annum
Other Hazardous Waste	0.093	0.076	Kg/Annum

2) From Pollution Control	Facilities	

18.09

Ton/Y

Hazardous Waste TypeTotal During Previous Financial yearTotal During Current Financial yearUOM00Ltr/A

Part-E

SOLID WASTES

Other Hazardous Waste

0

1) From Process Non Hazardous Waste Type BLAST FURNACE SLAG	Total During Previous Financial year 1563857	Total During Current Financial year 1655498	UOM Ton/Y
COKE FINES	423026	391867	Ton/Y
OXIDE FINES	606567	643185	Ton/Y
SINTER FINES	479884	536568	Ton/Y
Bentonite	31122	59765	Ton/Y
Limestone fines	183261	29175	Ton/Y
Olivin	158871	66021	Ton/Y
Coke Fines	50805	34483	Ton/Y
Dolomite Fines	28134	97057	Ton/Y
Dolo AGG	5045	57910	Ton/Y

TUNDISH SKULL	25523	19534	Ton/Y
Refractory	10442	31999	Ton/Y
Mill SCALE	8874	9414	Ton/Y
BOF SLAG	51033	614144	Ton/Y
LF SLAG	47871	128965	Ton/Y
KR SLAG	21213	113201	Ton/Y
SCALE FROM BAR MILL	106239	6335	Ton/Y

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
GCP DUST (Dust pot + Dust catcher)	135625	156050	Ton/Y
GCP DUST SMS II	100267	120595	Ton/Y

3) Ouantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Other Hazardous Waste	0	0	Ton/Y

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 or spent oil	153.4	KL/A	NA
5.2 Wastes or residues containing oil	473	Kg/Annum	NA
Other Hazardous Waste	0.076	Ton/Y	Oil Filter
Other Hazardous Waste	18.09	Ton/Y	Used Glass Wool

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	0	Ton/Y	NA

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)
0	0	0	0	0	1928700	0

Part-H

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

[A] Investment made during the period of Environmental

Statement

NA NA O

[B] Investment Proposed for next Year

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

NA 0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

The company is aware of surrounding Environment. JSW Steel Limited has planted a large number of trees on 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 215925 Nos. big trees and 8565972 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

Name & Designation

DR.ANAND RAI VICE PRESIDENT (HOD-ENVIRONMENT)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000070718

Submitted On:

21-09-2024

Environment Statement for plants under Phase 2 Coke Oven Plant 2



FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000070254

Submitted Date

18-09-2024

PART A

Company Information

Company Name

JSW STEEL LIMITED (COKE OVEN PLANT II)

Address

GEETAPURM dOLVI

Plot no

91 TO 113

Capital Investment (In lakhs)

405000

Pincode 402107

Telephone Number

02143663000

Region

SRO-Raigad II

Last Environmental statement submitted online

01111110

yes

Consent Valid Upto

2027-12-31

Industry Category Primary (STC Code) & Secondary (STC Code)

Application UAN number

-0000155156

Taluka

PEN

Scale LARGE

LANGL

Person Name DR.ANAND RAI

Fax Number

000

Industry Category

Red

Consent Number

Format 1.0/CAC/UAN

NO.0000155156/C0- 2305001427

Establishment Year

2018

Village

KHAR KARAV VILLAGE

City

PEN

Designation

VICE PRESIDENT(HOD ENVIRONMENT)

Email

anand.rai@jsw.in

Industry Type

R53 Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge

Iron units

Consent Issue Date

2023-08-22

Date of last environment statement

submitted

Sep 11 2023 12:00:00:000AM

Product Information

Product NameConsent QuantityActual QuantityUOMDry Coke30000002586850Ton/Y

By-product Information

By Product Name Consent Quantity Actual Quantity UOM Coke Oven Gas 150000 1157176 Ton/Y 131386 99111 Ton/Y Tar Crude Benzene, Toluene, Xylene ,Benzol 37248 18677 Ton/Y

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day				
Water Consumption for	Consent Qu	antity in m3/day	Actual Quantity in m3	?/day
Process	19053.60		7259.00	
Cooling	9216.00		0.00	
Domestic	82.08		32.00	
All others	50.00	50.00		
Total	28401.68		7291.00	
2) Effluent Generation in CMD / MLD				
Particulars		Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT		8340	3689	CMD
DOMASTIC EFFLUENT		60	26	CMD
2) Product Wise Process Water Consump	tion (cubic meter of			
process water per unit of product)	tion (cubic meter of		ous Durina the curr	ent UOM
	tion (cubic meter of	During the Previo	ous During the curr Financial year	ent UOM
process water per unit of product)	tion (cubic meter of	During the Previo		
Process water per unit of product) Name of Products (Production) Dry Coke (M3/UNIT OF PRODUCT) 3) Raw Material Consumption (Consumption)		During the Previo	Financial year	
Name of Products (Production) Dry Coke (M3/UNIT OF PRODUCT)		During the Previo	Financial year	ent UOM MT/A UOM
Process water per unit of product) Name of Products (Production) Dry Coke (M3/UNIT OF PRODUCT) 3) Raw Material Consumption (Consumption unit of product)		During the Previous 0.0038 During the Previous	Financial year 1.0 During the current	MT/A
process water per unit of product) Name of Products (Production) Dry Coke (M3/UNIT OF PRODUCT) 3) Raw Material Consumption (Consumption unit of product) Name of Raw Materials		During the Previous financial Year 0.0038 During the Previous financial Year	Financial year 1.0 During the current Financial year	MT/A
process water per unit of product) Name of Products (Production) Dry Coke (M3/UNIT OF PRODUCT) 3) Raw Material Consumption (Consumption unit of product) Name of Raw Materials Hard Coking Coal		During the Previous financial Year 0.0038 During the Previous financial Year 0.685	Financial year 1.0 During the current Financial year 0.615	MT/A UOM Ton/Ton
process water per unit of product) Name of Products (Production) Dry Coke (M3/UNIT OF PRODUCT) 3) Raw Material Consumption (Consumption unit of product) Name of Raw Materials Hard Coking Coal Semi Hard Coa PCI Coal		During the Previous financial Year 0.0038 During the Previous financial Year 0.685 0.408	During the current Financial year 0.615 0.375	MT/A UOM Ton/Ton Ton/Ton
process water per unit of product) Name of Products (Production) Dry Coke (M3/UNIT OF PRODUCT) 3) Raw Material Consumption (Consumption unit of product) Name of Raw Materials Hard Coking Coal Semi Hard Coa		During the Previous financial Year 0.0038 During the Previous financial Year 0.685 0.408 0.083	During the current Financial year 0.615 0.375 0.077	MT/A UOM Ton/Tor Ton/Tor

4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
Coke Oven Gas	0	21510000000000	M3/Anum
BF Gas	0	273340000000000	M3/Anum

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)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
PH	0	7.2	No Variation	06.0 TO 8.5	NA
COD	0	79.4	No Variatio	0250	NA
MH3-N	0	20.5	No Variatio	50	0
TSS	0	92	No Variatio	100	0

PHENOL	0	0.33	No Variatio	1.0	0
CYNIDE AS CN	0	0.05	No Variatio	00.2	0
BOD	0	23	No Variatio	30	0
TDS	0	1655	No Variatio	2100	0
OIL & GREASE	0	15	No Variatio	10	0

[B] Air (Stack)					
Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
Coke Oven Battery Main Stack 1	269.7	37.8	No Variatio	50	NA
Coke Oven Battery Pushing Side	12.5	7.8	No Variatio	50	NA
Coke Oven Battery Charging Side	8.6	8.5	No Variatio	50	NA
Coal Crushing	11.6	15.9	No Variatio	50	NA
Coke Cutting	11.9	15.5	No Variatio	50	NA
Coke Bunker	31.6	17.6	No Variatio	50	NA
Boiler	20.4	17.5	No Variatio	50	NA
Coke Oven Battery Main Stack (C &D)	375.8	35.3	No Variatio	50	NA
Coke Oven Battery Pushing Side	9.1	83.25	No Variatio	50	NA
Coke Oven Battery Charging Side	7.1	9.1	No Variatio	50	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	ИОМ
5.1 Used or spent oil	0	17.800	KL/A
5.2 Wastes or residues containing oil	0.900	0.872	MT/A
13.4 Decanter tank tar sludge	136.49	99.5	KL/A
29.5 Spent catalysts	0	0.960	Kg/Annum
35.3 Chemical sludge from waste water treatment	0	1.96	Kg/Annum

2) From Pollution Control Facilities

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

Part-E

SOLID WASTES 1) From Process

2) F	rom	Pol	lution	Control	Faci	lities
------	-----	-----	--------	----------------	------	--------

Non Hazardous Waste Type Total During Previous Financial year Total During Current Financial year UOM
NA 6145.2 6360.8 Ton/Y

3) Quantity Recycled or Re-utilized within the unit

Waste TypeTotal During Previous
Financial yearTotal During Current
Financial yearUOM
Financial yearOther Hazardous Waste71109.2463643.8Ton/Y

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 GeneratedQty of Hazardous WasteUOMConcentration of Hazardous Waste5.1 Used or spent oil17.800KL/ASale to MPCB Authorized Recycler5.2 Wastes or residues containing oil0.872MT/AUse as Fuel in Furnace13.4 Decanter tank tar sludge99.5KL/A100% recycle for coke making

2) Solid Waste

Type of Solid Waste Generated

Qty of Solid Waste

UOM Concentration of Solid Waste

Coke Breeze, Coal and Coke dust from de dusting system

63643.8

Ton/Y USED AT SINTER PLANT FOR SINTER MAKING

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)		Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
0	0	0	0	0	405000	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.
[A] Investment made during the period of Environmental
Statement

Statement

Detail of measures for Environmental Protection

Measures

NA

Environmental Protection

Measures

(Lacks)

NA

0

[B] Investment Proposed for next Year

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

NA 0

Part-I

Particulars

The company is aware of surrounding Environment. JSW Steel Limited has planted a large number of trees on 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 215925 Nos. big trees and 8565972 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

Name & Designation

DR.ANAND RAI VICE PRESIDENT (HOD-ENVIRONMENT)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000070254

Submitted On:

18-09-2024

Environment Statement for Metal Recovery Plant (Slag Processing - Harsco

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number

MPCB-ENVIRONMENT STATEMENT-0000068859

Submitted Date

02-09-2024

PART A

Company Information

Company Name Application UAN number

HARSCO INDIA METALS PVT LTD 0000057227

Address

GEETAPURM dOLVI

Taluka Village Plot no PEN DOLVI 12,13,14 & PART OF 6,11,16,17,18,19 Capital Investment (In lakhs) Scale City

9423.98 **LARGE** PEN

Pincode Person Name Designation

402107 DR.ANAND RAI VICE PRESIDENT(HOD ENVIRONMENT)

Fax Number Telephone Number **Email**

02143663000 000 anand.rai@jsw.in

Industry Category Region **Industry Type**

SRO-Raigad II Red R44 Industry or process involving metal surface

treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and

anodizing / enamellings/ galvanizing

Last Environmental statement submitted Consent Number Consent Issue Date

online

Format 1.0/CAC/UAN 2023-04-22 ves

NO.0000155183/CR-2305001573

Consent Valid Upto Establishment Year Date of last environment statement

submitted

2027-12-31 2011 Sep 11 2023 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Consent Quantity Actual Quantity UOM Product Name

Metallic arising 68000 11223 852000 142519 Slag arising

14400 Large steel scarp 6845

By-product Information

By Product Name **Consent Quantity Actual Quantity UOM**

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day		
Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	100.00	98.00
Cooling	10.00	9.00
Domestic	7.00	6.00
All others	0.00	0.00
Total	117.00	113.00

2)	Effluent	Generation	in CMD	/ MLD
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Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	14	6	CMD
DOMASTIC EFFLUENT	6	5	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
SLAG ARISING (M3/UNIT OF PRODUCT)	0	0	MT/A

3) Raw Material Consumption (Consumption of raw material

Name of Raw Materials	During the Previous financial Year	During the current Financial year	иом
Slag (EAF & LF Slag)	1790787	125769	MT/A

|--|

Fuel Name	Consent quantity	Actual Quantity	UOM
NA	0	0	Mwh

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) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
NA	0	0	0	0	0

[B] Air (Stack) Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
METAL RECOVERY DUST SEPRATION STACK S-1	68.2	48.4	67.72	150	NA
METAL RECOVERY DUST SEPRATION STACK S-2	93.0	49.4	67.07	150	NA

METAL RECOVERY DUST 72.2 47.1 68.59 150 NA SEPRATION STACK S-3

Part-D

HAZARDOUS WASTES					
1) From Process					
Hazardous Waste Type		Pi	otal During revious Financia ear	Total During Current al Financial year	ИОМ
5.1 Used or spent oil		6.		11.9	KL/A
5.2 Wastes or residues contai	ning oil	0		70	Kg/Annur
33.1 Empty barrels /container chemicals /wastes	s /liners contaminated with ha	zardous 0		10	Nos./Y
35.3 Chemical sludge from wa	aste water treatment	0		0.960	Kg/Annun
2) From Pollution Control I					
Hazardous Waste Type	Total During Previous Fin	nancial year		ng Current Financial year	UOM
0	0		0		Ltr/A
Part-E					
SOLID WASTES					
1) From Process	a Tatal During Brasiana Fi		Total Descri	ing Courant Financial was	!! ON
	e Total During Previous Fi	nanciai year		ing Current Financial year	UOM
NA	0		0		Ton/`
2) From Pollution Control I					
Non Hazardous Waste Type	_	vious Financial	-	During Current Financial yea	
NA	0		0		Ton/
3) Quantity Recycled or Re	e-utilized within the				
unit Wasta Time	7-	tal During Dua	ious Financial	Tatal During Comment Finance	-:-! !!
Waste Type	ye	_	ious Financiai	Total During Current Finance year	cial UOM
0	0			0	Ton/
Part-F					
Diagonal of the sharest				d	
	eristics(in terms of concen adopted for both these cat			dous as well as solid wastes	<u>апо</u>
1) Hazardous Waste					
Type of Hazardous Waste	Generated	Qty of Hazard Waste	dous UOM	Concentration of Hazardo	us Waste
5.1 Used or spent oil		11.9	KL/A	SOLD TO MPCB AUTHORISED	RECYCLER
5.2 Wastes or residues contai	ning oil	70	Kg/Annun	n SENT TO CHWTSDF	

2) Solid Waste

hazardous chemicals /wastes

33.1 Empty barrels /containers /liners contaminated with

35.3 Chemical sludge from waste water treatment

10

960

SENT TO CHWTSDF

Kg/Annum SENT TO CHWTSDF

Nos./Y

NA 0 Ton/Y NA

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)		Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
0	0	0	0	0	9423.98	0

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

Measures

NA

Environmental Protection

Measures

(Lacks)

NA

0

[B] Investment Proposed for next Year

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

NA NA

Part-I

Any other particulars for improving the quality of the environment.

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 215925 Nos. big trees and 8565972 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

Name & Designation

DR.ANAND RAI VICE PRESIDENT (HOD-ENVIRONMENT)

UAN No

MPCB-ENVIRONMENT_STATEMENT-0000068859

Submitted On:

02-09-2024