



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000047672

Submitted Date

26-09-2022

PART A

Company Information

Company Name

JSW Energy Ltd

Application UAN number

MPCB-CONSENT-0000116900

Address

At Village nandiwade, Post Jaigad

Plot no

NA

Taluka

Ratnagiri

Village

Nandiwade

Capital Investment (In lakhs)

550546

Scale

Large

City

Ratnagiri

Pincode

415614

Person Name

Dipak Patil

Designation

General Manager

Telephone Number

02357242501

Fax Number

02357242505

Email

prasad.samak@jsw.in

Region

SRO-Ratnagiri

Industry Category

Red

Industry Type

R48 Thermal Power Plants

Last Environmental statement submitted online

yes

Consent Number

MPCB-CONSENT-0000116900/CR-2202000372

Consent Issue Date

2022-02-04

Consent Valid Upto

2022-08-31

Establishment Year

2010

Date of last environment statement submitted

Sep 22 2021 12:00:00:000AM

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

Product Information

Product Name

Power

Consent Quantity

1200

Actual Quantity

1200

UOM

Mwh

By-product Information

By Product Name

NA

Consent Quantity

0

Actual Quantity

0

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	2640.00	185.00
Cooling	235320.00	276224.00
Domestic	60.00	45.40
All others	0.00	0.00
Total	238020.00	276454.40

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	313381	214400	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
NA	0	0	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
Coal	2544878	2728800	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Furnace Oil	0	766.11	KL/A

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	Standard	Reason
	Quantity	Concentration	%variation		
Suspended solids	1.0	20	NIL	100	NA
Oil & Grease	0	0	NIL	10	NA
Copper (total)	0.0015	0.03	NIL	1	NA
Iron (total)	0.003	0.056	NIL	1	NA
Zinc	2.04	0.04	NIL	1	NA
Chromium	0	0	NIL	0.2	NA
Phosphate	1.9	0.04	NIL	5.0	NA
TDS	63.3	420	NIL	1200	NA

[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	Standard	Reason
	Quantity	Concentration	%variation		
TPM	760	30.5	NIL	50	NA
SO2	1063	422	NIL	600	NA
NOx	639	253	NIL	450	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	3744	7968	Ltr/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Bottom Ash	21598	32900	Ton/Y
Fly Ash	264689	359941	Ton/Y

2) From Pollution Control Facilities

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

3) Quantity Recycled or Re-utilized within the unit

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

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
0	0	MT/A	NA

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)
NA	0	0	0	0	0	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

<i>Detail of measures for Environmental Protection</i>	<i>Environmental Protection Measures</i>	<i>Capital Investment (Lacks)</i>
Environment Monitoring cost	Environment Monitoring cost	100

[B] Investment Proposed for next Year

<i>Detail of measures for Environmental Protection</i>	<i>Environmental Protection Measures</i>	<i>Capital Investment (Lacks)</i>
Maintenance of AAQM	Maintenance of AAQM	55
Maintenance of Pollution control equipments	Maintenance of Pollution control equipment	105

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Continuous Emission monitors (CEMS) and Online effluent monitoring systems are installed to monitor the emission levels from stacks all four CEMS are connected to MPCB server

Name & Designation

Mr Dipak Patil (General Manager - Environment)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000047672

Submitted On:

26-09-2022