



MTPS/UMPP/ENV/GPCB/5954

Date- Sept. 2 2023

To,
Member Secretary
Gujarat Pollution Control Board
Paryavaran Bhavan, Sector-10-A,
Gandhinagar-382010

Sub: Environmental Statement for the financial year ending 31st March, 2023 for M/s The Tata Power Company Limited (Formerly Known as Coastal Gujarat Power Limited), Tunda - Vandh, Taluka- Mundra, District Kutch.

Dear Sir,

With reference to the above subject, Please find enclosed Environmental Statement in Form V prescribed under Rule 14 of the Environment (Protection) Rules 1986, for The Tata Power Company Limited, Mundra for the financial year ending 31st March 2023.

Thank you,

Yours faithfully,
For **The Tata Power Company Limited**


Santosh Tripathi
(Group Head Environment)

Encl: As above.

Copy to:

1. The Director, Western Regional Office, Ministry of Environment Forest & Climate Change, Integrated Regional Office , Gandhi Nagar, A-Wing-407 & 409 , Aranya Bhawan, Near CH-3 Circle , Sector 10-A, Gandhi Nagar - 382010
2. The Regional Officer, Gujarat Pollution Control Board, 215-216, Kandla Port Trust Administrative Building, Gandhidham, Kutch - Gujarat.

TATA POWER

The Tata Power Company Limited

Mundra Thermal Power Station - Ultra Mega Power Plant, formerly a Unit of Coastal Gujarat Power Limited,

Plant Address: Tunda Vandh Road, Tunda Village, Mundra, Kutch - 370435, Telephone: 91 2838 661213

Regd. Office: Bombay House, 24, Homi Mody Street, Mumbai-400 001 (Maharashtra)

Website: www.tatapower.com; Email: tatapower@tatapower.com; CIN: L28920MH1919PLC000567



Environmental Statement Report for 2022-23 for The Tata Power
Company Limited, Mundra

ENVIRONMENTAL STATEMENT - FORM V

SUBMITTED BY

M/s THE TATA POWER COMPANY LIMITED
(Formerly Known as Coastal Gujarat Power Limited)



4150 MW (5X830MW)
ULTRA MEGA POWER PLANT,
MUNDRA, GUJARAT - 370 435

ARP'22 - MAR'23

**Environmental Statement Report for 2022-23 for The Tata Power
Company Limited, Mundra**

FORM V
(See Rule 14)

Environmental Statement for the Financial Year ending 31st March 2023

PART – A

- (i) Name and address of the Owner/ : Shri. A.N. Ramesh
Occupier of the Industry Chief - Mundra
Operation or Process The Tata Power Company Limited
(Formerly known as Coastal Gujarat
Power Limited),
Tunda Vandh Road, Tunda Village,
Mundra, Kutch 370-435
- (ii) Industry Category : Primary
Primary (STC Code)
Secondary (STC Code)
- (iii) Production Capacity : 4150 MW
- (iv) Year of Establishment : 2006
- (v) Date of last Environment : 02.09.2022
Statement submitted

**Environmental Statement Report for 2022-23 for The Tata Power
Company Limited, Mundra**

PART – B

Water and Raw Material Consumption

(i) Water Consumption

Water Consumption Cu. Mtr. /Day	Sea Water
Process	45309.09 m ³ /day
Cooling	14731744.01 m ³ /day
Domestic	19.12 m ³ /day

Name of Products	Process Water Consumption per unit of Product Output	
	During the financial year (2021-22)	During the current financial year (2022-23)
Electricity	0.84 M3/MWh	0.65 M3/MWh

(ii) Raw Material Consumption

Name of Raw Material	Name of Products	Consumption of Raw Material per Unit of output	
		During the financial year (2021-22)	During the current financial year (2022-23)
Coal	Electricity	0.41 MT/MWh	0.41 MT/MWh

PART – C

**Pollutants discharged to Environment/Unit of Output
(Parameters as specified in consent issued)**

Pollutants	Quantity of pollutants discharged (Mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water			Nil
(b) Air			
Particulate Matter (mg/Nm ³)		Annexure 1	Nil

**Environmental Statement Report for 2022-23 for The Tata Power
Company Limited, Mundra**

PART – D

Hazardous Wastes

(As specified under Hazardous Wastes Management and Handling Rules 1989)

Hazardous Wastes	Total Quantity	
	During the financial year (2021-22)	During the current financial year (2022-23)
(a) From Process	51.855 MT of Used Oil 4.761 MT of Discarded Containers and 15.49 MT waste residue containing oil. 0.76 MT of Spent Ion Exchange Resin.	64.818 MT of Used Oil 3.144 MT of Discarded Containers.
(b) From Pollution Control facilities	Not Applicable	Not Applicable

PART – E

Solid Waste

Solid Waste	Total Quantity Generated (MT/Annum)	
	During the current financial year (2021-22)	During the current financial year (2022-23)
From Process (Ash)	388328 MT	422588.77 MT
From Pollution Control facilities	Not Applicable	Not Applicable
1) Quantity recycled or reutilized within the unit	-	-
2) Sold	415553 MT	609059 MT
3) Recycled/ Utilized	-	

Environmental Statement Report for 2022-23 for The Tata Power
Company Limited, Mundra

PART - F

Please specify the characterization (in terms of Composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes:

- During the financial year 2022-23, used oil of 64.818 MT and 3.144 MT discarded containers has been disposed through GPCB authorized recycler has been sent for incineration to GPCB authorized incinerator Agency.
- During the financial year 2022-23, 609059 MT fly ash is utilized as per Fly Ash Notification.

PART – G

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

During the financial year 2022-23, the total cost incurred on environmental protection measures is enclosed as **Annexure 2**.

PART – H

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

- Hood conveyor belt of 1.3 km has been replaced with Pipe conveyor belt towards vandh village side to arrest the fugitive emission and is being maintained.
- Outfall channel, ash pond and guard pond constructed with impervious HDPE lining to prevent ground water contamination is being maintained
- Entire Treated water from ETP and STP is being used for plantation and green belt development.
- Dust suppression system viz. Dry fog system at junction tower, hood cover on coal conveyer, about 48 rainwater water sprinklers at coal stock yard installed to control fugitive dust emission from coal handling system.
- About 9m high wind barrier constructed with 3 tier plantations along the periphery near the coal stock yard to prevent fugitive emission
- A separate 530 m long wind barrier with height of 19 m has been constructed along the side of the coal stock yard to avoid fugitive emission by blocking the wind velocity.
- Approx. 33% of the plant's area has been covered under plantation & greenbelt.
- Regular Environment Monitoring is being done for Ambient Air Quality – Emissions-Effluent and marine Ecology in accordance Environmental Management plan
- Integrated Waste Management initiative for solid waste management.

**Environmental Statement Report for 2022-23 for The Tata Power
Company Limited, Mundra**

PART – I

Any other particulars for improving the quality of environment:

- Ambient air quality is being monitored for all twelve parameters at a total of 10 locations as per National Ambient Air Quality Standard.
- MTPS has implemented Integrated Management System and has been certified with ISO 9001, ISO 14001 and ISO 45001
- 3000 saplings have been planted during this period.

For The Tata Power Company Limited,



(Santosh Tripathi)
Group Head - Environment

**Environmental Statement Report for 2022-23 for The Tata Power
Company Limited, Mundra**

Annexure 1

Stack Emission Monitoring

Unit No.	U#10	U#20	U#30	U#40	U#50
Parameter	PM	PM	PM	PM	PM
UOM	mg/ Nm3				
Limits as per CC&A Limit as per MOEF&CC Gazette Notification dated 07-12-2015	50	50	50	50	50
April-2022	31.7	39.9	37.3	Unit Shutdown	28.5
May-2022	33.3	30.8	35.1	Unit Shutdown	26.3
June-2022	30.8	Unit Shutdown	32.4	Unit Shutdown	26.5
July-2022	31.6	Unit Shutdown	30.3	Unit Shutdown	34.2
Aug-2022	34.3	28.9	Unit Shutdown	Unit Shutdown	26.2
Sept-2022	34.6	30.0	Unit Shutdown	Unit Shutdown	35.8
Oct-2022	Unit Shutdown	34.9	32.1	Unit Shutdown	37.1
Nov-2022	36.5	Unit Shutdown	33.5	Unit Shutdown	35.4
Dec-2022	33.3	Unit Shutdown	29.1	Unit Shutdown	36.3
Jan-2023	31.1	Unit Shutdown	29.7	Unit Shutdown	Unit Shutdown
Feb-2023	26.7	Unit Shutdown	Unit Shutdown	Unit Shutdown	Unit Shutdown
March-2023	Unit Shutdown	Unit Shutdown	Unit Shutdown	Unit Shutdown	Unit Shutdown

**Environmental Statement Report for 2022-23 for The Tata Power
Company Limited, Mundra**

Annexure – 2

Expenditure for Environmental Protection Activities during FY 2022-23

Sr. No	Activity	Expenditure (in lacs)
1	O&M Cost of ESP	110,71,000
2	O&M Cost of ETP	26,20,000
3	O&M Cost of CEMS & CAAQMS	99,62,656
4	O&M Cost of Display Board	1,09,000
5	Environment Day Celebration Cost	1,00,000
6	FGD commissioning expenses	5,46,14,00,000
7	Green Belt Development	15,61,000
8	Environment Monitoring	26,00,000
9	GPCB Schedule 1 Audit	5,00,000
10	Waste Management	20,00,000
Total		5,491,923,656