



सोलापूर/Solapur

Ref: 1045/EMG/September/2025/ 469

Date: 23.09.2025

To

The Sub-Regional Officer

Maharashtra Pollution Control Board

Solapur, Maharashtra

Subject: Submission of Environment Statement of NTPC Solapur for FY 2024-25

Respected Sir,

This is to inform you that NTPC Solapur has submitted its Environment Statement for the Financial Year 2024-25 (copy enclosed) through the MPCB online portal, in compliance with the provisions of MoEF&CC notifications and MPCB guidelines.

The submission details are furnished below for your kind reference:

Particulars	Details
UAN No.	MPCB-ENVIRONMENT_STATEMENT-0000085008
Application Name	ENVIRONMENT STATEMENT
Date of Submission	23.09.2025

This is submitted for your kind information and record, please.

Thanking you.

For & on behalf of NTPC Limited, Solapur


Rafiqul Islam
AGM (TS/EMG)

रफिकुल इस्लाम / Rafiqul Islam
अपर महाप्रबंधक (व्यावसायिक उत्कृष्टता) / AGM (Business Excellence)
एनटीपीसी लिमिटेड / NTPC Limited
सोलापूर एनटीपीसी प्रोजेक्ट / Solapur STPS



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000085008

Submitted Date

23-09-2025

PART A

Company Information

Company Name

SOLAPUR SUPER THERMAL POWER PROJECT

Application UAN number

MPCB-CONSENT-0000214687

Address

NTPC LIMITED, AT:FATATEWADI,
POST:HOTGI STATION, TAL:SOUTH SOLAPUR
SOLAPUR

Plot no

AT:FATATEWADI

Taluka

SOUTH SOLAPUR

Village

FATATEWADI

Capital Investment (In lakhs)

1106077 (UNIT 1 & UNIT 2)

Scale

LARGE SCALE INDUSTRY

City

SOLAPUR

Pincode

413215

Person Name

Shri Jagadish Chandra Sastry Bhamidipati

Designation

Executive Director

Telephone Number

9453013333

Fax Number

02172252502

Email

emgsolapur@ntpc.co.in

Region

SRO-Solapur

Industry Category

Red

Industry Type

R48 Thermal Power Plants

Last Environmental statement submitted online

yes

Consent Number

RED/L.S.I (R48) No:- Format1.0/CAC/UAN
No.0000214687/CR/2502001613

Consent Issue Date

2025-02-18

Consent Valid Upto

2029-08-31

Establishment Year

2017

Date of last environment statement submitted

Aug 30 2024 12:00:00:000AM

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

Product Information

Product Name

ELECTRIC POWER

Consent Quantity

11563200

Actual Quantity

6830200

UOM

Mwh

By-product Information

By Product Name

FLY ASH

Consent Quantity

2201680

Actual Quantity

1493776

UOM

MT/A

BOTTOM ASH

Consent Quantity

551880

Actual Quantity

305954

UOM

MT/A

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
Cooling	72000.00	47988.00
Domestic	750.00	894.00
All others	0.00	0.00
Total	99990.00	61643.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	34796	2256	CMD
DOMESTIC EFFLUENT	600	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
In FY 24-25 Station PLF was only 59.07%	295	2.96	Mwh

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 (Kg/KWH)	0.65	0.70	MT/MWH
FURNACE OIL (mL/KWH)	0.50	0.57	KL/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
COAL	15957800	4790438	MT/A
FURNACE OIL	7015.3	3898.93	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 Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Suspended Solid	0	0	NIL	50 mg/L	No Discharg
BOD	0	0	NIL	30 mg/L	No Discharg
COD	0	0	NIL	100 mg/L	No Discharg

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Particulate Matter	2096	17.01	NIL	50 mg/Nm3	NIL

SOx	43039	346.88	247%	100 mg/Nm3
NOx	40141	333.75	234%	100 mg/Nm3

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	7.78	48	KL/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1100	2724	Nos./Y

2) From Pollution Control Facilities

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

Part-E

SOLID WASTES

1) From Process

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

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Fly ash +Bottom Ash	1613676	1799730	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	0	0	CMD

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	8	KL/A	To be disposed through authorized recyclers
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	2724	Nos./Y	To be disposed through authorized recyclers

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Ash	1799730	MT/A	Through sale

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)
Roof top Solar in Township	0	0	0	1030000	0	0
TAC operation for ASH	0	0	0	1670000	0	0
OPTIMISING CT fan operation	0	0	0	390000	0	0
LED Bulb	0	0	0	40000	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

Detail of measures for Environmental Protection

FGD installation

Environmental Protection Measures

Sox Reduction

Capital Investment (Lacks)

55836.3

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection

23 MW Solar

Clean Power

Capital Investment (Lacks)

8469

Part-I

Any other particulars for improving the quality of the environment.

Particulars

NTPC Solapur is committed for env protection and putting its best effort.

Name & Designation

Rafiqul Islam, AGM (TS/EMG)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000085008

Submitted On:

23-09-2025



राफिकुल इस्लाम / Rafiqul Islam
अगर एक्सेलेंस (व्यावसायिक उत्कृष्टता) / AGM (Business Excellence)
एनटीपीसी लिमिटेड / NTPC Limited
सोलापुर एनटीपीएस / Solapur STPS