



सोलापूर/Solapur

Ref: 1045/EMG/September/2025/ 521

Date: 02.09.2026

To

The Sub-Regional Officer

Maharashtra Pollution Control Board

Solapur, Maharashtra

**Subject: Submission of Environment Statement of NTPC Solapur for FY 2025-26**

Respected Sir,

This is to inform you that NTPC Solapur has submitted its Environment Statement for the Financial Year 2025-26 (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-0000096564 |
| Application Name   | ENVIRONMENT STATEMENT                 |
| Date of Submission | 02.09.2026                            |

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

Thanking you.

For & on behalf of NTPC Limited, Solapur

Rafiqul Islam  
AGM (TS/EMG)

राफिकुल इस्लाम / Rafiqul Islam  
अपर महाप्रबंधक (व्यावसायिक उत्कृष्टता) / AGM (Business Excellence)  
एनटीपीसी लिमिटेड / NTPC Limited  
सोलापूर सुपर थर्मल पावर 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 2026

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000096564

### Submitted Date

02-09-2026

## 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)

11,616.68

#### Scale

LARGE SCALE INDUSTRY

#### City

SOLAPUR

#### Pincode

413215

#### Person Name

Shri Mohan Vattekkat

#### Designation

CHIEF GENERAL MANAGER

#### Telephone Number

9425531488

#### 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

Sep 23 2025 12:00:00:000AM

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

### Product Information

#### Product Name

ELECTRIC POWER

#### Consent Quantity

11563200

#### Actual Quantity

6630730

#### UOM

Mwh

### By-product Information

#### By Product Name

FLY ASH

#### Consent Quantity

2201680

#### Actual Quantity

1645765

#### UOM

MT/A

BOTTOM ASH

551880

426225

MT/A

Part-B (Water & Raw Material Consumption)

|                                       |                                   |                                  |
|---------------------------------------|-----------------------------------|----------------------------------|
| <b>1) Water Consumption in m3/day</b> |                                   |                                  |
| <b>Water Consumption for Process</b>  | <b>Consent Quantity in m3/day</b> | <b>Actual Quantity in m3/day</b> |
|                                       | 27240.00                          | 11234.00                         |
| <b>Cooling</b>                        | 72000.00                          | 41427.00                         |
| <b>Domestic</b>                       | 750.00                            | 925.00                           |
| <b>All others</b>                     | 0.00                              | 0.00                             |
| <b>Total</b>                          | 99990.00                          | 53586.00                         |

|                                            |                         |                        |            |
|--------------------------------------------|-------------------------|------------------------|------------|
| <b>2) Effluent Generation in CMD / MLD</b> |                         |                        |            |
| <b>Particulars</b>                         | <b>Consent Quantity</b> | <b>Actual Quantity</b> | <b>UOM</b> |
| TRADE EFFLUENT                             | 34796                   | 2957                   | CMD        |
| DOMESTIC EFFLUENT                          | 600                     | 441                    | CMD        |

|                                                                                                     |                                           |                                          |            |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------|------------|
| <b>2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)</b> |                                           |                                          |            |
| <b>Name of Products (Production)</b>                                                                | <b>During the Previous financial Year</b> | <b>During the current Financial year</b> | <b>UOM</b> |
| In FY 25-26 Station PLF was only 57.34%                                                             | 2.96                                      | 2.95                                     | Mwh        |

|                                                                                      |                                           |                                          |            |
|--------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------|------------|
| <b>3) Raw Material Consumption (Consumption of raw material per unit of product)</b> |                                           |                                          |            |
| <b>Name of Raw Materials</b>                                                         | <b>During the Previous financial Year</b> | <b>During the current Financial year</b> | <b>UOM</b> |
| COAL (Kg/KWH)                                                                        | 0.70                                      | 0.76                                     | MT/MWH     |
| LDO (mL/KWH)                                                                         | 0.57                                      | 0.79                                     | KL/A       |

|                            |                         |                        |            |
|----------------------------|-------------------------|------------------------|------------|
| <b>4) Fuel Consumption</b> |                         |                        |            |
| <b>Fuel Name</b>           | <b>Consent quantity</b> | <b>Actual Quantity</b> | <b>UOM</b> |
| COAL                       | 15957800                | 5039332                | MT/A       |
| LDO                        | 6630.7                  | 5238.25                | KL/A       |

Part-C

|                                                                                                          |                                                   |                                                                             |                                                                       |                 |               |
|----------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------|---------------|
| <b>Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)</b> |                                                   |                                                                             |                                                                       |                 |               |
| <b>[A] Water</b>                                                                                         |                                                   |                                                                             |                                                                       |                 |               |
| <b>Pollutants Detail</b>                                                                                 | <b>Quantity of Pollutants discharged (kL/day)</b> | <b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b> | <b>Percentage of variation from prescribed standards with reasons</b> | <b>Standard</b> | <b>Reason</b> |
|                                                                                                          | <b>Quantity</b>                                   | <b>Concentration</b>                                                        | <b>%variation</b>                                                     |                 |               |
| Suspended Solid                                                                                          | 0                                                 | 0                                                                           | 0                                                                     | 50 mg/L         | No Discharg   |
| BOD                                                                                                      | 0                                                 | 0                                                                           | 0                                                                     | 30 mg/L         | No Discharg   |
| COD                                                                                                      | 0                                                 | 0                                                                           | 0                                                                     | 100 mg/L        | No Discharg   |

|                          |                                                   |                                                       |                                                                       |                 |               |
|--------------------------|---------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------|-----------------|---------------|
| <b>[B] Air (Stack)</b>   |                                                   |                                                       |                                                                       |                 |               |
| <b>Pollutants Detail</b> | <b>Quantity of Pollutants discharged (kL/day)</b> | <b>Concentration of Pollutants discharged(Mg/NM3)</b> | <b>Percentage of variation from prescribed standards with reasons</b> | <b>Standard</b> | <b>Reason</b> |
|                          | <b>Quantity</b>                                   | <b>Concentration</b>                                  | <b>%variation</b>                                                     |                 |               |
| SPM per stack            | 182.6                                             | 5.54                                                  | 0                                                                     | 50 mg/Nm3       | _             |

|               |        |         |   |            |   |
|---------------|--------|---------|---|------------|---|
| SOx per stack | 648    | 19.875  | 0 | 100 mg/Nm3 | _ |
| NOx per stack | 7404.5 | 222.375 | 0 | 350 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                                 | 48                                   | 30                                  | KL/A |
| 35.2 Spent ion exchange resin containing toxic metals | 9                                    | 20                                  | MT/A |
| Other Hazardous Waste                                 | 20                                   | 20                                  | MT/A |

#### 2) From Pollution Control Facilities

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

## Part-E

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM  |
|--------------------------|--------------------------------------|-------------------------------------|------|
| None                     | 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      | 1799730                              | 2071990                             | 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                                   | 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                                                                     |
|-------------------------------------------------------|------------------------|------|------------------------------------------------------------------------------------------------------|
| 5.1 Used or spent oil                                 | 30                     | KL/A | Disposed through authorized recycler M/s MSTC LTD                                                    |
| 35.2 Spent ion exchange resin containing toxic metals | 28.68                  | MT/A | disposed through authorized TSDF facility                                                            |
| Other Hazardous Waste                                 | 73.51                  | MT/A | Glasswool, chemical bottles, broken tubelights, silica gel disposed through authorized TSDF facility |

#### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM  | Concentration of Solid Waste |
|-------------------------------|--------------------|------|------------------------------|
| Ash                           | 2038452            | 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                              | 1.02                                 | 0                           | 0                                 |
| 13 MW ground mounted Solar power used in APC before COD | 0                                       | 0                                                | 0                              | 12.20                                | 0                           | 0                                 |
| TAC operation for ASH                                   | 0                                       | 0                                                | 0                              | 1.67                                 | 0                           | 0                                 |
| OPTIMISING CT fan operation                             | 0                                       | 0                                                | 0                              | 0.39                                 | 0                           | 0                                 |
| LED Bulb                                                | 0                                       | 0                                                | 0                              | 0.16                                 | 0                           | 0                                 |
| CW Pump House Operation                                 | 0                                       | 0                                                | 0                              | 0.09                                 | 0                           | 0                                 |
| Mill Overhauling                                        | 0                                       | 0                                                | 0                              | 1.63                                 | 0                           | 0                                 |
| Ujjni water pumps corrective work                       | 0                                       | 0                                                | 0                              | 1.48                                 | 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 | Environmental Protection Measures | Capital Investment (Lacks) |
|-------------------------------------------------|-----------------------------------|----------------------------|
| FGD installation                                | Sox Reduction                     | 56017.03                   |

| [B] Investment Proposed for next Year           |                                   |                            |
|-------------------------------------------------|-----------------------------------|----------------------------|
| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
| 23 MW Solar                                     | Clean Power                       | 8225                       |

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-0000096564

Submitted On:

02-09-2026