



# **ENVIRONMENTAL STATEMENT**

## **[Form – V]**

**Reporting Period: FY 2025 - 26**



# **JSW Steel Limited, Salem Works, CPP-II**

**Submitted by:**  
**JSW Steel Limited., Salem Works, CPP II**  
**Pottaneri (P.O), Mecheri,**  
**Mettur-(Tk), Salem(Dt)**  
**Tamil Nadu, India, 636453**

FORM-V

(Rule 14 of The Environment Protection, 1986)

Environmental Statement for the financial year ending on 31<sup>st</sup> March 2026

PART-A

|   |                                                                              |                                                                                                                                                                  |
|---|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Name and address of the owner, occupier of the industry Operation or process | Mr. S M Kumar<br>Senior Vice President, Plant Head<br>JSW Steel Limited, CPP II, Salem Works,<br>M. Kalipatti Village, Mettur Taluk,<br>Salem District – 636 453 |
| 2 | Industry category- Primary                                                   | Red – Large                                                                                                                                                      |
| 3 | Production Capacity                                                          | Captive Power - 3 X 30 MW                                                                                                                                        |
| 4 | Year of establishment                                                        | 2006 & 2019                                                                                                                                                      |
| 5 | Date of the last Environmental Statement submitted.                          | 29.09.2025                                                                                                                                                       |

Production details against the Consent quantity

| Sl. No.                | Description                | Unit | Consented Quantity | Actual Quantity |
|------------------------|----------------------------|------|--------------------|-----------------|
| <b>Product details</b> |                            |      |                    |                 |
| 1                      | Power generation (Captive) | MW   | 90                 | 65.998          |

PART - B

Water and Raw Material Consumption:

1. Water consumption in m<sup>3</sup>/d @ 365 days

- i. Process : 35 m<sup>3</sup>/day
- ii. Cooling : 3411 m<sup>3</sup>/day
- lii Domestic : 21 m<sup>3</sup>/day

| Sl. No. | Name of Products                    | Specific Water consumption per unit of product |            |
|---------|-------------------------------------|------------------------------------------------|------------|
|         |                                     | FY 2024-25                                     | FY 2025-26 |
| 1       | Captive power (m <sup>3</sup> /MWH) | 2.19                                           | 2.16       |

\* 2 no. of WCC & 1 no. of ACC

2. Raw material consumption and production

| Sl. No. | Name of raw materials | Name of Products | Consumption of raw material per unit of output |            |
|---------|-----------------------|------------------|------------------------------------------------|------------|
|         |                       |                  | FY 2024-25                                     | FY 2025-26 |
| 1       | Coal (MT)             | Power Generation | 117239                                         | 111606     |
| 2       | Biomass (MT)          |                  | 9622                                           | 14329      |
| 3       | LDO (KL) for startup  |                  | 23                                             | 25         |
| 4       | Bed Material (MT)     |                  | 595                                            | 513        |

Part C

Pollution discharged to environment/unit of output

(Parameter as specified in the consent issued)

(a) Water Environment:

| Sl. No. | Pollutants                                           | Quantity of Pollutants discharged (Kg/day) | Concentration of Pollutants discharged (mg/l) | Percentage of variation from prescribed standards with reasons |
|---------|------------------------------------------------------|--------------------------------------------|-----------------------------------------------|----------------------------------------------------------------|
| 1       | Pollutants discharged due to the sewage of Plant STP | NA                                         | NA                                            | --                                                             |

As per the CTO the consented quantity of sewage generation is about 3.7 KLD which is treated through septic tank and followed by soak pit.

As per the CTO the approved quantity of trade effluent generation is 705 KLD from CPP II – 90 MW, the year average trade effluent generation is about 425 KLD, and the same is sent to Steel Plant Guard Pond facility for collection, storage, treatment and reuse in Steel plant as per the Consent. In the CPP II online analyzers like pH, TSS and Temperature are installed (trade effluent pit discharge) and the real time values are connected with IEMS TNPCB and CPCB servers. There is no Sewage or trade effluent discharge within or outside the premises.

#### **(b) Air Environment**

##### **Details of the Stack Emission from the Plant**

The details of the average stack emission for the year 2025 – 26 are given below

| Sl. No. | Pollutants prescribed | Prescribed limits (mg/Nm <sup>3</sup> ) | Quantity of pollution Discharged (kg/day) | Con. of pollution in Discharged (mg/Nm <sup>3</sup> ) | % of variation from Prescribed Standards with reasons.                             |
|---------|-----------------------|-----------------------------------------|-------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------------------------|
| 1       | SPM                   | 50                                      | 113                                       | 32.6                                                  | No variation. Air quality parameters are within the prescribed standards by TNPCB. |
| 2       | SO <sub>2</sub>       | 600                                     | 1339                                      | 266.1                                                 |                                                                                    |
| 3       | NO <sub>x</sub>       | 450                                     | 1147                                      | 232.0                                                 |                                                                                    |

#### **PART D HAZARDOUS WASTES (Generation)**

As specified under Hazardous and other Wastes (Management & Transboundary Movement) Rules 2016.

##### **(a) From process**

| Sl. No. | Haz. Waste Category | Hazardous Wastes generated                     | Authorization Qty. as per HWA (MT/Annum) | Total Quantity (MT) |         |
|---------|---------------------|------------------------------------------------|------------------------------------------|---------------------|---------|
|         |                     |                                                |                                          | 2024-25             | 2025-26 |
| 1       | 3.3                 | Sludge and filters contaminated with oil       | 0.5                                      | 0                   | 0       |
| 2       | 5.1                 | Used / Spent oil                               | 3.5                                      | 19.86               | 1.79    |
| 3       | 5.2                 | Wastes / Residues containing oil (Used Grease) | 2.5                                      | 0.22                | 0       |

|   |      |                                                                                       |      |      |      |
|---|------|---------------------------------------------------------------------------------------|------|------|------|
| 4 | 5.2  | Waste / Residues containing oil (Oil Soaked cotton Waste)                             | 3.5  | 0.93 | 1.07 |
| 5 | 33.1 | Discarded containers / Barrels / Liners contaminated with hazardous waste / Chemicals | 2.0  | 0.17 | 0.6  |
| 6 | 35.3 | Chemical Sludge from wastewater treatment                                             | 20.0 | 0.51 | 1.94 |
| 7 | 35.3 | Chemical Sludge from wastewater treatment (ESEP)*                                     | 5.0  | NA   | NA   |

As per the CTO dated 08.04.2022, the trade effluent of Unit-3 (1 X 30 MW), amounting to 5 KLD, is connected to the Steel Plant Guard Pond for treatment and disposal. Accordingly, the Elevated Solar Evaporation Pan (ESEP) has been withdrawn from the consent, and no further generation of ESEP salt is taking place. However, an existing stock of 0.09 MT of ESEP salt is available, which is being stored safely. The stored quantity will be disposed of through an authorized/scientific disposal method, as directed by the Board office, once such a facility is available.

Further, with respect to the Hazardous Waste Authorization renewal vide Authorization No. 26HFC72246076 dated 04.08.2026, Category 35.3 – Chemical Sludge from Wastewater Treatment (ESEP) has been withdrawn from the Hazardous Waste Authorization. Additionally, authorization has been obtained for the utilization of spent resin in the AFBC boiler and for the disposal of used insulation wool through secured landfill at an authorized facility.

**(b) From Air Pollution Control Facilities**

No Hazardous waste generated from APC measures.

**Disposal quantity under the Batteries Waste Management Rules, 2022**

| Sl. No. | Battery Waste disposal                   | Total Quantity (MT) Generated |                                            |
|---------|------------------------------------------|-------------------------------|--------------------------------------------|
|         |                                          | FY 2024-25                    | FY 2025-26                                 |
| 1       | Lead and lead compounds (Used Batteries) | 6.340                         | 9.17<br>(Bulk replacement of 2V batteries) |

**PART – E  
SOLID WASTE (Generation)**

| Sl. No.   | Solid Wastes                                                | Total Quantity (MT) |                                      |
|-----------|-------------------------------------------------------------|---------------------|--------------------------------------|
|           |                                                             | FY 2024-25          | FY 2025-26                           |
| <b>a.</b> | <b>From Process</b>                                         |                     |                                      |
| i         | Used Bed material                                           | 750                 | 1500                                 |
| ii        | Fly ash                                                     | NA                  | NA                                   |
| <b>b.</b> | <b>From Pollution Control Facility</b>                      |                     |                                      |
| i         | Fly Ash including ESP                                       | 7585                | 9033                                 |
| <b>c.</b> | <b>Quantity of recycled or re-utilized within the plant</b> |                     |                                      |
| i         | Used Bed Material                                           | 0                   | 0                                    |
| ii        | Fly Ash                                                     | 0                   | 0                                    |
| <b>d.</b> | <b>Sold/Disposed</b>                                        |                     |                                      |
| i         | Used Bed Material                                           | 801                 | 1260<br>(Operation of AFBC boiler at |

|    |         |      |                                                             |
|----|---------|------|-------------------------------------------------------------|
|    |         |      | variable load)                                              |
| ii | Fly ash | 7602 | 9021<br>(Due to higher ash content,<br>utilization is 100%) |

#### PART – F

**Please specify the characteristics (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes. (TPA- Tonnes per Annum)**

| Sl. No.                    | Description of the Waste                                                              | Characteristics | Disposal Quantity (TPA) | Method of Disposal                                                                                                                                                                                     |
|----------------------------|---------------------------------------------------------------------------------------|-----------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Non Hazardous Waste</b> |                                                                                       |                 |                         |                                                                                                                                                                                                        |
| 1                          | Used Bed Material (After sieving 0.85 mm to 2.35 mm size)                             | Non Hazardous   | 513                     | Reused in AFBC boiler                                                                                                                                                                                  |
| 2                          | Fly Ash                                                                               | Non Hazardous   | 9021                    | 100% disposed to Fly ash bricks manufacturing units                                                                                                                                                    |
| <b>Hazardous Waste</b>     |                                                                                       |                 |                         |                                                                                                                                                                                                        |
| 1                          | Sludge and filters contaminated with oil                                              | Hazardous       | 0                       | --                                                                                                                                                                                                     |
| 2                          | Used / Spent oil                                                                      | Hazardous       | 2.96                    | Sent to TNPCB authorized recyclers                                                                                                                                                                     |
| 3                          | Waste / Residues containing oil (Used Grease)                                         | Hazardous       | 0.0                     | --                                                                                                                                                                                                     |
| 4                          | Waste / Residues containing oil (Oil soaked cotton waste)                             | Hazardous       | 1.21                    | Sent to TNPCB authorized preprocessor.                                                                                                                                                                 |
| 5                          | Discarded containers / Barrels / Liners contaminated with hazardous waste / Chemicals | Hazardous       | 0.7                     | Sent to TNPCB authorized recycler.                                                                                                                                                                     |
| 6                          | Chemical Sludge from wastewater treatment                                             | Hazardous       | 2.13                    | Sent to TNPCB authorized preprocessor.                                                                                                                                                                 |
| 7                          | Chemical Sludge from wastewater treatment (ESEP)*                                     | Hazardous       | 0                       | As per the CTO dated 08.04.2022 unit 3, Trade Effluent 5 KLD is also connected with Steel Plant Guard Pond for treatment and disposal. Elevated Solar Evaporation Pan has been withdrawn from consent. |

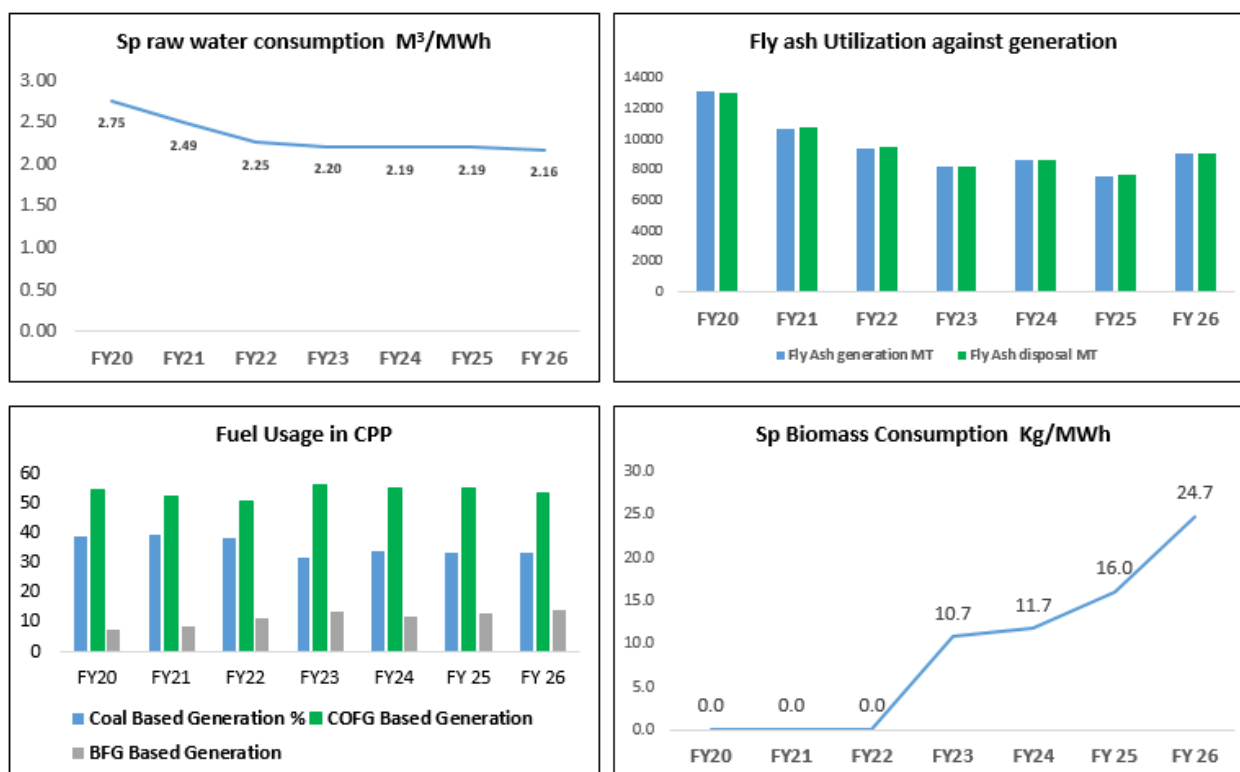
#### PART-G

**Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.**

We have implemented an Integrated Management System (IMS) integrating Quality Management System (ISO 9001), Environmental Management System (ISO 14001) and Occupational Health & Safety Management System (ISO 45001). In addition, the plant has recently achieved ResponsibleSteel™ Site Certification, reinforcing its commitment towards responsible production, resource efficiency, environmental stewardship, continual improvement and sustainable development.

As part of the IMS and ResponsibleSteel framework, the plant continuously identifies opportunities for pollution prevention, resource conservation, energy efficiency, water conservation, waste minimization, beneficial utilization of by-products and process optimization. The implementation of these measures has resulted in conservation of natural resources, reduction in environmental impacts and improved operational efficiency, with corresponding benefits towards optimization of the cost of production.

| Sl. No. | Measures adopted          | Impact on Conservation of natural resources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Minimize Coal consumption | <ul style="list-style-type: none"> <li>• Biomass blending in the CPP has been increased from 7.58% to 11.38% along with steam coal for power generation.</li> <li>• This has reduced dependence on conventional fossil fuel and thereby contributed to conservation of non-renewable coal resources</li> <li>• The increased biomass utilization has resulted in an annualized GHG emission reduction of up to 16,711 tCO<sub>2</sub>.</li> <li>• Reduction in fossil-fuel dependency also supports improved resource efficiency and optimization of fuel-related operating costs.</li> </ul>                                                                                                                               |
| 2       | Water/Effluent            | <ul style="list-style-type: none"> <li>• Specific water consumption reduction targets are established under the plant's environmental objectives and are continuously monitored as part of the continual improvement process.</li> <li>• Water conservation, recycling and reuse practices help reduce freshwater withdrawal and wastewater generation.</li> <li>• Of the 90 MW CPP capacity, 60 MW is equipped with water-cooled condensers and 30 MW with air-cooled condensers, thereby optimizing cooling-water requirements.</li> <li>• Improved water-use efficiency contributes to conservation of freshwater resources and reduction in water treatment, pumping and wastewater management requirements.</li> </ul> |
| 3       | Fly ash utilization       | <ul style="list-style-type: none"> <li>• 100% of fly ash generated from the coal-based boiler is utilized through authorized fly-ash brick manufacturers.</li> <li>• Beneficial utilization of fly ash reduced the requirement for virgin raw materials in construction products and promotes circular resource utilization.</li> <li>• It also reduces ash storage, handling and disposal requirements, thereby providing environmental as well as operational benefits.</li> </ul>                                                                                                                                                                                                                                        |
| 4       | Sustainable Practices     | <ul style="list-style-type: none"> <li>• Reduced power consumption in CPP through installation of E glass epoxy FRP blades in 1st &amp; 2nd CT fans and 5th &amp; 6th ACC fans, resulting in power savings of 696,511 kWh.</li> <li>• The reduction in electricity consumption provides direct economic benefits through reduced power consumption</li> </ul>                                                                                                                                                                                                                                                                                                                                                               |



Environment KPIs Performance during FY 26

## PART – H

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

CPP-II (90 MW) is equipped with one coal-based boiler, five Waste Heat Recovery Boilers (WHRBs) utilizing Coke Oven Plant (COP) waste gas, and one Blast Furnace Gas (BFG)-fired boiler. As an additional environmental protection measure, installation of one more 40 TPH BFG-fired boiler is under progress and is expected to be commissioned by September 2026. The initiative is aimed at maximizing the utilization of BFG, reducing dependence on coal and other fossil fuels, and thereby minimizing associated Greenhouse Gas (GHG) emissions.

Based on the captive power requirement and availability of process gases, the existing coal-based boiler is operated under variable load conditions to optimize coal consumption and maximize the utilization of available waste/process gases for power generation. These measures contribute towards improved energy efficiency, fossil fuel conservation and reduction in the overall carbon footprint of the plant.

Further, as part of its environmental protection and pollution prevention initiatives, we conduct environmental awareness programmes through celebration of World Environment Day, World Water Day and Ozone Day to enhance awareness among employees on environmental conservation, sustainable resource utilization and pollution prevention. The photographs and details of the awareness programmes conducted during the previous year are appended below



**World Environment Day Celebration June 2025**



**World Ozone Day Celebration September 2025**



World Water Day Celebration March 2026

## **PART – I**

### **MISCELLANEOUS**

#### **Corporate Social Responsibility:**

JSWSL Steel Ltd., Salem Works is committed to contributing towards the sustainable development and improvement of the quality of life of the communities in and around its operational areas. The Company undertakes various initiatives through its Corporate Social Responsibility (CSR), focusing on key areas such as livelihood enhancement, education, healthcare, infrastructure development and environmental sustainability.

The Company maintains continuous engagement with local stakeholders, including community representatives and local leaders, to understand community needs, identify priorities and implement need-based initiatives effectively. These efforts support inclusive and sustainable community development and strengthen stakeholder participation. Details of the CSR are provided in the **Annexure I**.