# ENVIRONMENTAL CLEARANCE COMPLIANCE STATUS REPORT

## JSW STEEL LTD, DOLVI WORKS

**Six Monthly Compliance, Status report**

**(Oct'2024 to Mar'2025)**

**Six Monthly Compliance, Status report**

**Changes in Plant configuration for proposed expansion of Integrated Steel Plant from**

**5 to 10 MTPA by M/s JSW Steel Limited at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra**

**Environmental Clearance Letter No J-11011/76/2013-IA-II(I) dated 16/06/2020**

**ENVIRONMENTAL MANAGEMENT DEPARTMENT**

**JSW STEEL LTD, DOLVI WORKS, TALUKA PEN, RAIGAD-DISTRICT, MAHARASHTRA 402107**

**Annexure IV**

## SIX MONTHLY COMPLIANCE REPORTS OF ENVIRONMENT CLEARANCE CONDITIONS

The production facilities after the expansion are given below:

| S. No | Unit Name | Existing facility | EC accorded for Facilities under 5 to 10 MTPA | Total capacities at 10 MTPA | Compliance Status |
|---|---|---|---|---|---|
| 1. | DR1 (Gas based Mega Module) | 2.0 MTPA (by augmentation) | 2.0 MTPA | 4.0 MTPA | 2.0 MTPA plant commissioned and in operation |
| 2. | Pellet Plant | 4.0 MTPA | 9.0 MTPA | 13.0 MTPA | Plants 4.0 MTPA and 9 MTPA are in |
| 3. | Coke Ovens including By-product plant | 2.0 MTPA | 2.5 MTPA | 4.5 MTPA | 3.0 MTPA Coke Oven Plant commissioned and in operation by JSW Steel Ltd. 1.0 MTPA Coke Oven Plant is in the name of M/s. ARCL Ltd vide EC |
| 4. | Sinter Plant | 2.8+3.2 MTPA | 4.0 MTPA | 10.0 MTPA | 2.8 MTPA +2.5 MTPA (*i.e.* 5.3 MTPA) operational, balance |
| 5. | Blast Furnace including Pig casting | 3.6 MTPA (by augmentation) | 4.5 MTPA | 8.1 MTPA | 8.0 MTPA Commissioned and in operation |
| 6. | SMS (CONARC) | 5.2 MTPA (by augmentation) | -- | 5.2 MTPA | 5.0 MTPA Commissioned and in |
| 7. | SMS -BOF | -- | 6.0 MTPA | 6.0 MTPA | 6.0 MTPA Commissioned and in |
| 8. | Ladle Furnace (LF) | 2x200t +205t | 2X300t | 2x200t +205t 2X300t | Commissioned and in operation |
| 9. | VD/VOD & RH-TP | 1x200t+1x205t | 2x300t | 1x200t +1x205t 2x300t | - 1x200t+1x205t Commissioned in operation |
| 10. | CSP (HRC Coil) Thin Caster-cum-Hot Strip Finishing Train | 3.5 MTPA (By Augmenting) | - | 3.5 MTPA | Commissioned and in operation |

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| S. No | Unit Name | Existing facility | EC accorded for Facilities under 5 to 10 MTPA | Total capacities at 10 MTPA | Compliance Status |
|---|---|---|---|---|---|
| 11. | Conventional Slab Caster | 2x1 strands (3.68 MTPA) | 2x2 strands (5.73 MTPA) | Total 6 strands (9.41 | Slab Caster (Continuous and Conventional) |
| 12. | Billet Caster | - | 1x6 Strands | 6 strands (1.5 MTPA) | Commissioned and in operation |
| 13. | Plate Mill | 1.5 MTPA | - | 1.5 MTPA | To be implemented |
| 14. | CRM (Hot Rolled Skin Pass + Cold Rolled Full Hard Coil + Hot Rolled Pickled & Oiled Coil) | 1.0 MTPA | 1.5 MTPA | 2.5 MTPA | To be implemented |
| 15. | Galvanizing Line (Cold Rolled Steel Strips, Hot Dip Zinc Coated | 0.6 MTPA | - | 0.6 MTPA | To be implemented |
| 16. | Electrical Steel CRGO line | 0.4 MTPA | - | 0.4 MTPA | To be implemented |
| 17. | Tin Plate Mill | 0.4 MTPA | - | 0.4 MTPA | To be implemented |
| 18. | Colour Coating Plant | 0.5 MTPA | - | 0.5 MTPA | To be implemented |
| 19. | Lime/Dolo Plant | 1800 TPD | 1800 TPD | 3600 TPD | Commissioned and in operation |
| 20. | Oxygen Plant | 4100 TPD | 3500 TPD | 7600 TPD | 6660 TPD Capacity Commissioned and in operation. (2200+2200+1000+1260 |
| 21. | Hot Rolling Mill with shearing & slitting line | - | 5.0 MTPA | 5.0 MTPA | Commissioned and in operation |
| 22. | Bar Mill | - | 1.4 MTPA | 1.4 MTPA | Commissioned and in operation |
| 23. | Slag & Clinker Grinding Unit | - | 10 MTPA | 10 MTPA | Implemented, EC transferred to JSW |

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| S. No | Unit Name | Existing facility | EC accorded for Facilities under 5 to 10 MTPA | Total capacities at 10 MTPA | Compliance Status |
|---|---|---|---|---|---|
| 24. | Captive Power Plant | 300 MW | 300 MW | 600 MW (based on surplus gases of BF & Coke | 1x55 MW + 1x175 MW CPP Commissioned and in operation |
| 25. | Township | - | 150 acres | 150 acres | Work in progress. |
| 26 | Solid Waste Incinerator | 250 Kg/Hr | 250 Kg/Hr | 250 Kg/Hr | Commissioned and in operation |

| Sr. No. | ENVIRONMENTAL CLEARANCE CONDITIONS | COMPLIANCE STATUS |
|---|---|---|
| | **A) Specific Conditions** | |
| i | PP Shall develop green belt in an area of 16% of project area within the project site and 33% of Project area within the 10 km of study area." | **Green Belt within Plant**:<br>Presently, 13% green belt is developed over 80.00 ha land within the plant premises with 2,17,457 nos of trees.<br>Balance 18.42 Ha (3%) green belt area is to being developed with 46,200 nos of trees. Green belt developed with tree density 2500 trees/hectare and local species.<br><br>In addition to the Green belt development EK PED MAA KE NAAM campaign was undertaken by JSW Steel, wherein plantation was done at 4 no of schools.<br><br>(Photographs of Green Belt Attached as **Annexure-1**)<br>**Green Belt Outside Plant in 10 Km area**:<br>Green belt outside the plant premises has been developed over 203.00 Ha i.e. 33 % as per EC.<br>Green belt outside the plant premises is developed in forest land in proximity of the plant area in consultation with local forest department over 51 Ha land and Mangrove Plantation over 152.00 Ha.<br><br>**Hence, Condition is complied**. |
| ii | The CER activities shall be implemented in accordance with this Ministry's OM vide F.No.22 -65/2017-IAIIIdated 1st May 2018 within the | The project proponent is carrying out CSR activities in various sectors and in and around the surrounding villages and a time bound action plan for various CSR activities have been submitted to MoEF&CC as per |

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| | Project implementation period. | EAC recommendation of 2.5% of project cost.<br>The project proponent has spent an amount of **Rs. 118.86 Crores on CER Activities**.<br>The project proponent has spent the above amount on Construction of Multi-Speciality Hospital, Construction of Roads outside the plant premises, and expenditure on Tree plantation in nearby villages (outside the Plant). Details of the CER is attached **Annexure-2**.<br><br>**Hence, Condition is complied.** |
| iii | Treated domestic wastewater generated from township shall be reused and recycled. | When construction of Township will be done, Domestic Wastewater from township will be treated in STP and shall be reused in gardening.<br><br>**Hence, Condition shall be complied.** |
| iv | The Project Proponent Shall achieve Zero Liquid Discharge (ZLD) at the end completion of all the facilities. In the meantime the treated wastewater shall be discharged into sea after obtaining necessary permission /clearance from the concerned regulatory authority. | Zero Liquid Discharge (ZLD) will be achieved at the end completion of all the facilities by Dec 2025.<br>Meanwhile, excess treated effluent conforming to standards is being discharged to Amba River Estuary as per the permission obtained from MoEF&CC – CRZ Division vide letter No F.No.11-7/2023-IA. III dated 5th April 2023, the permission is granted for discharge of treated water 615 M3/Hr.<br><br>**Hence, Condition is complied**. |
| **B) General Conditions** | | |
| **I.** | **Statutory Compliance:** | |
| i | The Project Proponent shall obtain Consent to Establish /Operate under the provisions of Air (Prevention & Control of Pollution ) Act, 1981 and the Water (Prevention & Control of Pollution ) Act.1974 from the concerned State Pollution Control Board / Committee. | Copies of Consent to Operate obtained from MPCB for all plants.<br><br>**Hence, condition is complied.** |
| ii | The Project proponent Shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water /from the competent authority concerned in case of drawl of surface water required for the project. | Water supply to the project is from Irrigation Department, Raigad, GOM.<br>Agreement is made between JSW Steel Ltd and Irrigation Department, Raigad, Copy of Agreement enclosed as **Annexure 3**<br><br>**Hence, condition is complied.** |

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|---|---|---|
| iii | The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time | Authorization under the Hazardous and other Waste Management Rules, 2016 is granted by MPCB as a part of Combined Consent and Authorization document.<br><br>**Hence, condition is complied.** |
| **II.** | **Air quality monitoring and preservation** | |
| i | The Project Proponent Shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment ( Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 ( Integrated iron & Steel ) ; G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) as amended from time ; S.O 3305 ( E) dated 7th December 2015 ( Thermal Power Plants ) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment ( Protection ) Act, 1986 or NABL accredited laboratories. | 24x7 continuous emission monitoring system (CEMS) is provided at process stacks as per guidelines of CPCB and MPCB consent requirement.<br>Screenshot of Connectivity of CEMS is enclosed as **Annexure 4**<br>Calibration of the CEMS is done on by the external agency on regular basis<br><br>**Hence, condition is complied.** |
| ii | The Project Proponent Shall monitor fugitive emission in the plant premise at least once in every quarter through labs recognised under Environment (Protection)Act , 1986. | Fugitive Dust Monitoring is undertaken every month and the analysis report is attached in Annexure 5.<br><br>**Hence, condition is complied.** |
| iii | The Project Proponent Shall install system to carryout Continuous Ambient Air Quality monitoring for common /criterion parameters relevant to the main pollution released (e.g. PM $_{10}$ and PM $_{2.5}$ in reference to PM emission, and $SO_2$ and $NO_x$ emissions ) Within and outside the Plant area at least at four locations ( one within and three outside the plant area at an angel of 120º each) covering upwind and | CAAQMS installed at five locations in consultation with MPCB. All these stations are connected to URL of MPCB & CPCB & data is being transmitted online on real time basis for PM2.5, PM10, SO2, NOx & CO.<br>Screenshot of Connectivity of CAAQMS to MPCB is enclosed as **Annexure-7**.<br><br>**Hence, condition is complied.** |

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|---|---|---|
| | downwind directions. | |
| iv | The cameras shall be installed at suitable location for 24x7 recording of battery emission on the both sides of coke oven batteries and videos shall be preserved for at least one – month recording. | Camera installed at the Coke Oven battery with facility of storage of data.<br><br>**Hence, condition is complied.** |
| v | Sampling facility at process stacks and at quenching towers shall be provide as per CPCB guidelines for manual monitoring of emissions. | Sampling facility at process stacks and at quenching towers provide as per CPCB guidelines.<br>The access for monitoring on stack is provided through spiral ladder as well as man lifter machine.<br><br>**Hence, condition is complied.** |
| vi | The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and result of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional office of MoEF&CC, Zonal office of CPCB and regional office of SPCB along with six – Monthly monitoring report. | Six Monthly Environment Monitoring Report is submitted to MoEFCC along with EC compliance report.<br>Copy of email of last submission in Jan 2025 is enclosed as **Annexure-6**.<br><br>**Hence, condition is complied** |
| vii | Appropriate Air Pollution Control (APC) system shall be provide for all the dust generating points including fugitive dust from all vulnerable sources so as to comply prescribed stack emission and fugitive emission standards. | • Stack of adequate height & diameter with continuous stack monitoring facilities for all the stacks are provided, 46 nos of stacks are connected through OCEMS to CPCB and MPCB.<br>• ESP (17nos) and Bag Filters (157nos), Cyclone & Venturi Scrubber (06 nos), Dry Cyclone separator (01 no) are provided to control the PM emission from stacks within norms.<br>• Raw Material handling area with yard sprinklers, dry fog system, Dust extraction systems to control the fugitive emissions. Covered sheds for Raw Material storage purpose provided.<br>• Covered shed for Jetty yard-A with a capacity of 110,000MT for Coal Storage<br>• Covered shed for Jetty Yard-B with a total capacity of 305,000 MT for Iron Ore and Flux.<br>• Covered Sheds (2 Nos) for Pellet and Coke Storage of Capacity-1,20,000 MT each.<br>• Covered shed for storing Iron Ore Bearing Material |

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|---|---|---|
| | | and Flux is in progress. Capacity of the covered shed is 4,27,000 MT.<br>• Investment on Yard sprinklers, De-dusting system and Dry fogging system to the amount of Rs 77.29 Crores<br>• Bag filter, ESPs with adequate capacity to keep the emission levels below 30 mg/Nm$^3$ in all plants (Steel Melting Shop II, Hot Strip Mill II, Blast Furnace II and Lime Calcination Plants 5,6,7)<br>• Stacks of adequate height & diameter with continuous stack monitoring facilities for all the stacks as per the requirement.<br>• Energy efficient technologies in the Plant like waste heat recovery system, Top gas recovery turbine from Blast furnace and Gas Based power plant.<br>• All internal roads made of concrete.<br>• Road Sweeping machines (06 nos) and water sprinkler tankers (02 nos).<br>• Transferring dust of De-dusting system and other secondary dusts generated from Pollution Control equipment by bulkers.<br>• Transferring raw material from Jetty to plant 100 % through belt and pipe conveyors thereby eliminating any chances of fugitive emission through transportation of material from outside plant to the raw material yard there by improving the Ambient Air Quality.<br><br>**Hence, condition is complied.** |
| Viii | The Project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags. | In De-dusting system leakage detection system provided.<br>Bag filters with mechanized bag cleaning system like pulse jet type is provided.<br><br>**Hence, condition is complied.** |
| ix | Secondary emission control system shall be provide at SMS Converters. | In SMS Converters, Dust extraction system with bag filters and ESPs provided to control the secondary emissions.<br><br>**Hence, condition is complied.** |
| x | Pollution control system in the steel plant shall be provided as per the | The recommendations made in the Charter on Corporate Responsibility for Environment Protection |

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|---|---|---|
| | CREP Guidelines of CPCB. | (CREP) for the Steel Plants shall be complied as per the guidelines.<br><br>• BF Slag- 100% utilized in Cement plant.<br>• Steel slag- Utilized for construction activities for expansion projects by land reclamation in the low-lying areas and is also being used for internal road making. Further the slag shall be utilized for road construction (Internal roads and National Highways) and marine applications like tetrapod and other civil structures.<br>• The specific water consumption for the year 2023 - 24 is < 2.35 m3/t of crude steel which is well below the targets for flat products and as well as for long products.<br>• Dry Gas Cleaning plant installed in Blast Furnace 2. The traditional wet scrubbing process has high pressure drop due which the energy recovery is low (14 MW) but the bag filter has low pressure drop thus has high energy to recovery (36 MW), by using Dry GCP process the energy recovery has increase approx. of 22 MW, which will reduce CO2 emissions by approx. 1.4 Lac.tCO2eq. This system saves specific water consumption.<br>• Installed Gas Holders (Coke Oven Gas and LD Gas) which helps the steady flow for distribution of gas in constant pressure (Operating pressure 996 mm WC). Also, it helps in proper utilization of waste gases. It saves and Energy and reduces $CO_2$ emission.<br>• Blast Furnace TRT – Energy recovery of top blast furnace gas is being done with power generation through TRT by using top pressure of BF gas.<br>• Coke Oven Plant – Coke Dry Quenching systems (3 Nos) installed and recover the heat of red hot coke, reduce energy consumption and pollution and improve the quality of coke. Each CDQ reduces water consumption by 1920 m3/day and energy of 70 MW recovered which reduces the $CO_2$ emissions by approx. 10.9 Lac.t $CO_2$eq<br>• Steel Melting Shop (SMS), secondary de-dusting |

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|---|---|---|
| | | system (Gas Cleaning Plants 4 Nos) has been installed to control fugitive emissions<br>• Coal Injection Plant for direct injection of pulverized coal in furnace has been implemented. Present rate of CDI in our Blast Furnace 1 is 155 Kg/THM and Blast Furnace 2 is 197 Kg/THM (average for the year 2023-24).<br>• Cast House Fume extraction system inclusive of tap holes, runners, skimmers, ladle and charging points have been provided to control Fugitive emissions from Blast Furnace.<br><br>**Hence, condition is complied** |
| xi | Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors , roofs, regularly. | • Vacuum based Road sweeping machines (06 Nos) are provided to clean the internal on regular basis.<br>• Water tankers (02 Nos) with sprinklers provided for water spraying on road.<br>• Construction of all internal roads by Concrete.<br>• Transfer of dust from De-dusting system and other secondary dusts generated from Pollution Control equipment by bulkers.<br><br>**Hence, condition is complied.** |
| xii | Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices in the process after briquetting /agglomeration. | Iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices like Bag Filters and ESPs are reused in the process (Sinter Plant and Pellet Plants).<br><br>**Hence, condition is complied**. |
| xiii | The projects proponent use leak proof trucks /dumpers carrying coal and other raw materials and cover them with tarpaulin. | Majority of the raw material received in the plant is from Jetty through barges. From Barges the material is unloaded through Closed conveyors and pipe conveyors.<br>Raw Material Handling areas, yard sprinklers, Dry fogging system, dust extraction system provided in the junction houses and transfer points.<br><br><u>Covered sheds for Raw Material storage purpose</u>:<br>1. Covered shed for Jetty yard-A with a capacity of 110,000MT for Coal Storage<br>2. Covered shed for Jetty Yard-B with a total capacity of 305,000 MT for Iron Ore and Flux. |

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|---|---|---|
| | | 3. Covered Sheds (2 Nos) for Pellet and Coke Storage of Capacity-1,20,000 MT each.<br>4. New covered shed for storing Iron Ore Bearing Material and Flux of Capacity 4,27,000 MT<br><br>Total expenditure for covered shed 5 Nos is approximate **Rs 320 Crores**<br>Investment on Yard sprinklers, De-dusting system and Dry fogging system to the tune of **Rs 77.29 Crores.**<br><br>Transportation within plants for materials like lime etc. is through closed bulker. Minimal transportation is through open truck.<br><br>**Hence, condition is complied** |
| xiv | Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (chain conveyors land based industrial vacuum cleaning facility). | In wharf area of coke oven batteries regular cleaning is done through manually on daily basis. The cleaned material is manually feed to the conveyor. Bag filters are installed at transfer points of Conveyor belt. Collected dust is utilized in Coal cake making.<br><br>**Hence, condition is complied** |
| xv | Land – based APC systems to be installed to control coke pushing emissions | Separate ground De-dusting systems provided to control the charging and pushing emissions from Coke oven plants.<br><br>**Hence, condition is complied.** |
| xvi | Monitor CO, HC and $O_2$ in flue gases of the Coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber. | In Coke Oven plants on line systems installed to monitoring parameters for CO, HC and Oxygen.<br>Also the cross leakages in the combustion chamber measured by separate sensors.<br><br>**Hence, condition is complied.** |
| xvii | Vapour absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens. | We have recovery type coke ovens, vapour absorption system is provided.<br><br>**Hence, condition is complied.** |
| xviii | In Case concentrated ammonia liquor is incinerated, adopt high temperature incineration to destroy Dioxins and Furans. Suitable NOx control facility shall be provided to meet the prescribed standards. | No incineration of concentrated ammonia liquor.<br>Claus process is assisted with ammonia de-composition furnace.<br><br>**Hence, condition is not applicable.** |

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| | | |
| xix | The coke oven gas shall be subjected to desulphurization if the sulphur content in the coal exceeds 1%. | Sulphur content in coal is less than 1%, however, Desulphurization system has been provided in Coke oven plants.<br>After Tar separation, Coke Oven gas is sent to Desulphurization section where the sulphur in the form of $H_2S$ gets adsorbed to ammonia solution in the desulphurization tower.<br>The liquor from de-sulphurization tower is sent to De-acidifier & Ammonia Stripping Unit (DASU) to generate sulphur containing vapours, which is further sent to Claus process for sulphur recovery.<br>**Hence, condition is complied.** |
| xx | Wind Shelter fence and chemical spraying shall be provide on the raw material stock piles. | Closed covering sheds constructed for storing the raw materials (Coal and Coke).<br>Raw material is being transported through closed conveyors.<br>Raw Material Handling areas, yard sprinklers, Dry fogging system, dust extraction system provided in the junction houses and transfer points.<br>Installed Covered sheds (4 Nos) for Raw Material storage purpose.<br>• Covered shed for Jetty yard-A with a capacity of 110,000MT for Coal Storage. Covered shed for Jetty yard-B with a total capacity of 305,000 MT for Iron Ore and Flux.<br>• Covered Sheds (2 Nos) for Pellet and Coke Storage of Capacity-1,20,000 MT each.<br>• New covered shed for storing Iron Ore Bearing Material and Flux of Capacity 4,27,000 MT<br>• Investment on Yard sprinklers, De-dusting system and Dry fogging system to the tune of Rs 77.29 Crores<br>The project proponent has provided adequate de-dusting systems with ESPs, Bag Filters in Steel melting shop, Blast Furnace, Lime Calcination Plants, Pellet Plant.<br><br>Photographs of cover sheds is enclosed as **Annexure-9**.<br><br>**Hence, condition is complied.** |

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| xxi | Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, Motor houses, oil Cellars. | Adequate ventilation system has been provided for all motor houses, Oil cellars, Furnace areas by reputed vendors.<br><br>**Hence, condition is complied.** |
| xxi | The project proponent shall install dry Gas Cleaning Plant with bag filter for blast Furnace and SMS converter. | Dry Gas Cleaning Plant with bag filter installed at Blast Furnace and SMS Converter.<br>In Steel Melting Shop Basic Oxygen Furnace Converter area provided with pollution control systems like ESP and Bag Filters.<br><br>**Hence, condition is complied.** |
| **III Water quality monitoring and preservation** | | |
| i | The Project Proponent Shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment ( Protection ) Rules 1986 vide G.S.R.277 ( E) dated 31st March 2012 ( Integrated iron & Steel ); G.S.R 414 (E) dated 30th May 2008 ( Sponge Iron) as amended from time to time; S.O. 3305 ( E ) dated 7th December 2015 (Thermal Power Plant ) as amended from time to time and connected to SPCB and CPCB online Servers and Calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. | On line effluent monitoring systems is provided as per CPCB guidelines.<br><br>24x7 continuous emission monitoring system (CEMS) is provided at process stacks as per guidelines of CPCB and MPCB consent requirement.<br>Screenshot of Connectivity of CEMS is enclosed as **Annexure 4**<br>Calibration of the CEMS is done on by the external agency<br><br>**Hence, condition is complied.** |
| ii | The Project Proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers /sampling wells in the Plant and adjacent areas through recognised under Environment (Protection) Act. 1986 and NABAL accredited laboratories. | There is no ground water withdrawal hence piezometer for monitoring ground water is not provided.<br><br>**Hence, condition is not applicable.** |
| iii | The Project Proponent shall monthly summary report of continuous | Report of effluent monitoring are sent to Regional Office, MoEF&CC Nagpur and MPCB along with six |

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| | effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional office of MoEF & Cc , Zonal office CPCB and Regional office of SPCB along with Six – Monthly monitoring report. | monthly monitoring report.<br>Copy of email of six monthly monitoring report submission to RO, MoEF&CC, Nagpur is enclosed as **Annexure-6**.<br><br>**Hence, condition is complied.** |
| iv | The Project proponent shall provide the ETP for coke oven and by – product to meet the standards prescribed in G.S.R. 277 ( E) dated 31st March 2012 (Integrated iron & Steel ); 3305 ( E) dated 7th December 2015 ( Thermal Power Plant) as amended from time to time as amended from time to time. | Effluent Treatment Plant (ETP) i.e. Biological Oxidation and Dephenoloization (BOD) plant has been provided for the Coke Oven plant.<br>Treated Effluent from ETP meets the prescribed standards<br><br>**Hence, condition is complied**. |
| v | Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards. | Sewage Treatment Plant provided for treatment of domestic wastewater to meet the prescribed standards.<br><br>**Hence, condition is complied.** |
| vi | Garland drains and collection pits shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface run off. | Covered storage yards are provided for storage of raw material like coal, Iron Ore and Flux storage yards, installed to avoid runoff during monsoon.<br><br>**Hence, condition is complied.** |
| vii | Tyre washing facilities shall be provided at the entrance of the plant gates. | Raw material shall be transported through closed conveyor belt from jetty to plant.<br>Tippers and truck movement is restricted within premises.<br>All internal roads are concretised.<br><br>**Hence, condition is complied.** |
| viii | $CO_2$ injection shall be provide in GCP of SMS to reduce pH in circulating water to ensure optimal recycling of treated water for converter gas cleaning. | Dry type GCP is provided at SMS. Hence, reduce pH in circulating water to ensure optimal recycling of treated water is not applicable.<br><br>**Hence, condition is complied.** |
| ix | The projects proponent shall make efforts to maximum possible extent. | Noted. |
| x | Treated water from ETP of COBP shall not be used for coke quenching. | Dry type quenching method is used for coke quenching. |

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|---|---|---|
| | | However, while using the Wet quenching system, the treated water from the BOD plant is used for coke quenching purpose<br><br>**Hence, condition is complied.** |
| xi | Water meters shall be provided at the inlet to all unit processes in the steel plant. | Water meters have been provided at individual units to measure the water consumption.<br>**Hence, condition is complied.** |
| xii | The projects proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water. | Blow down from the cooling tower of clean circuit is fed as make-up water to cooling circuit of contaminated water. Pressure filtration system provided for cleaning the contaminated water.<br>Dry Gas Cleaning Plant provided at SMS Converter & Blast Furnace for water scrubber elimination, leading to the effective collection of LD gas and BF gas and utilized inside the plant.<br>Coke dry quenching system installed at Coke oven plant.<br><br>**Hence, condition is complied.** |
| **IV Noise monitoring and prevention** | | |
| i | Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional officer of the ministry as a part of six –monthly compliance report | Noise level monitoring is carried out in the plant locations and submitted to MoEFCC on six monthly basis.<br>Copy of noise monitoring report is enclosed as **Annexure-5**.<br><br>**Hence, condition is complied.** |
| ii | The ambient noise levels should conform to the standards prescribed under E (P) rules, 1986 viz . 75 db (A) during day time and 70 db (A) during night time | Copy of noise monitoring report is enclosed as **Annexure-5**.<br><br>**Hence, condition is complied.** |
| **V. Energy Conservation measures** | | |
| i | The project proponent shall provide TRTs to recover energy from top gases to blast furnaces. | In Blast Furnace Top Gas Recovery Turbine is provided to recover the energy from top gases.<br>The top gas from blast furnace is having high pressure (5 bars) which is recovered through Top Recovery Turbine (TRT).<br><br>The traditional wet scrubbing process has high pressure drop due which the energy recovery is low |

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| | | (14 MW) but the bag filter have low pressure drop thus has high energy to recovery (36 MW), by using Dry GCP process the energy recovery has increased approx. of 22 MW.<br><br>**Hence, condition is complied.** |
| ii | Coke Dry Quenching (CDQ) Shall be provided for coke quenching for the both recovery and non – recovery type coke ovens ; | We have recovery type Coke oven plant. Coke Dry Quenching (CDQ) system installed at Coke oven plants. The steam generated from the CDQ is used to generate power.<br><br>**Hence, condition is complied.** |
| iii | Waste heat shall be recovered from sinter Plant coolers and Sinter Plants coolers and sinter Machines. | At Sinter plants an Coke Oven plants, waste gas recovery systems with boilers are already installed.<br>• Energy efficient technologies provided in the Plant like waste heat recovery system,<br>  • Sinter plant- 1 Boiler (7 TPH) Waste Heat Recovery<br>  • Sinter plant- 2 Boiler (20 TPH) Waste Heat Recovery<br>  • Coke Oven -2 Boiler (9.2 TPH) Waste Heat Recovery<br>  • Coke Oven -2 Boiler (5.2 TPH) Waste Heat Recovery<br>  • Coke Oven -2 CD Boiler (5.2 TPH) Waste Heat Recovery<br>  • Coke Oven -1 Boiler (4.5 TPH) Waste Heat Recovery<br>  • Steel Melting Shop-2 Boiler (74 TPH) Waste Heat Recovery<br>  • Coke Dry Quenching (CDQ) Boiler-1 (72 TPH) Waste Heat Recovery<br>  • CDQ Boiler -2 (94 TPH) Waste Heat Recovery<br>  • CDQ Boiler -3 (94 TPH) Waste Heat Recovery<br><br>**Hence, condition is complied.** |
| iv | Use torpedo ladle for hot metal transfer as far as possible. If ladles not used , provide covers for open top ladles. | In Blast Furnace I & II the hot metal is transferred through torpedo ladle car (TLC). Total 35 Nos of TLCs are provided. 200 Tons capacity (21 Nos) for both BF-1 & BF-2 and 380 Tons capacity (14 nos) for BF-2, |

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| | | **Hence, condition is complied.** |
| v | Use hot charging of slabs and billets / blooms as far as possible. | The system is continuous process for making Hot rolled coils and TMT bars. Hence as per the existing practice, hot charging of slabs and billets / blooms process in place.<br><br>**Hence, condition is complied.** |
| vi | Waste hot recovery system shall be provide in all units where the flue gas or process gas exceeds 300ºC . | Existing Sinter plants I & II waste gas recovery systems with boilers are already installed.<br>Coke oven plants heat recovery boilers provided.<br><br>• Dry Gas Cleaning plant installed in Blast Furnace, the bag filter has low pressure drop thus has high energy to recovery (36 MW), by using Dry GCP process the energy recovery has increase approx. of 22 MW.<br>• Installed Gas Holders (Coke Oven Gas and LD Gas) which helps the steady network flow for distribution of gas in constant pressure (Operating pressure 996 mmWC). Also it helps to proper utilization of waste gases. It saves Energy and reduces CO2 emission.<br>• Blast Furnace TRT – Energy recovery of top blast furnace gas is being done with power generation through TRT by using top pressure of BF gas.<br>• Coke Oven Plant – Coke Dry Quenching systems (3 Nos) installed and recover the sensible heat of red hot coke, reduce energy consumption and pollution and improve the quality of coke. CDQ reduces water consumption and recovers energy which will reduce the CO2 emissions.<br><br>**Hence, condition is complied.** |
| vii | Explore feasibility to install WHRS at Waste Gases from BF Stoves: Sinter Machine Sinter Cooler, and all reheating furnaces and if feasible shall be installed . | At Blast Furnace, Sinter plants and Coke oven plants, Waste Heat Recovery boilers are in place.<br><br>**Hence, condition is complied.** |
| viii | Restrict Gas Flaring to < 1% | **Following initiatives have been taken to restrict gas flaring <1% :**<br>• The Gas generated form Blast Furnace and Coke oven plants are used as fuel in other |

| Sr. No. | ENVIRONMENTAL CLEARANCE CONDITIONS | COMPLIANCE STATUS |
|---|---|---|
| | | plants.<br>• Operation of Gas Based Captive Power plants of capacity 55 MW and 170 MW by Using BF and Coke oven gas.<br>• Installed Gas Holders (Coke Oven Gas and LD Gas) of capacity 1 Lakhs M3 which helps the steady network flow for distribution of gas in constant pressure.<br>• Total CO2 Savings will be approximately 660000 Ton of CO2 per year.<br>• Energy saving approximate 1 Million Gcal/Year<br><br>Hence, condition is complied. |
| ix | Provide solar Power generation on roof tops of buildings for solar light system for the all common area, stress lights. Parking around projects area and maintain the same regularly; | Power generation on site is through gas based CPP using waste gas/by-product gases from processes of units of integrated steel plant. Thus, non-fossil fuel based power generation is already implemented.<br>However, feasibility of installation of solar Power generation is being worked out and shall be implemented by end of completion of project.<br><br>**Hence, condition is being complied.** |
| x | Proved LED lights in their officers and residential areas. | LED lights are provided in the plant offices and plant areas.<br><br>**Hence, condition is complied.** |
| xi | Ensure installation of regenerative type burners on all reheating furnace. | Regenerative type burners are provided on reheating furnaces.<br><br>**Hence, condition is complied.** |
| **VI. Waste management** | | |
| i | An attrition grinding unit to improve the bulk density of BF granulated slag from 1.0 to 1.5 kg /l shall be installed to use slag as river sand in construction industry. | BF Slag is 100 % used Cement making by JSW Cement.<br><br>**Hence, condition is complied.** |
| ii | In Case of Non – Recovery coke ovens, the gas main carrying hot flue gases to the boiler, shall be insulated to conserve heat and to maximise heat recovery. | The existing coke oven plants are recovery type. The coke oven gas generated is used as fuel for various processes.<br>Heat recovery system boilers installed at Coke oven plants.<br>The waste heat lines are insulated to conserve heat and to maximise heat recovery. |

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| | | **Hence, condition is complied.** |
| iii | Tar sludge and waste oil shall be blend with coal charged in coke ovens (applicable only to recovery type coke ovens) | As per the Coke Oven plants are recovery type, the Tar sludge is blended with coal charging in the battery.<br><br>**Hence, condition is complied.** |
| iv | Carbon recovery plant to recover the elemental to recover scrap , metallic and flux for recycling to sinter plant and SMS. | For existing plant, the steel scrap generated from the plant is used in Electric Arc Furnace.<br>The Solid wastes like Coal dust, Iron Ore fines, Lime Stone fines, Bag filter dust and ESP dusts are reused as raw material in Sinter Plants and Pellet plants.<br><br>**Hence, condition is complied.** |
| v | Waste Recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS. | Slag processing plant with Metal recovery system is in place.<br>All the plant wastes like Bag Filter Dust, ETP sludge and Iron bearing materials are used in Sinter plants and Pellet Plant.<br>The metal scarp like skull and MS scraps are used in Electric Arc Furnace.<br><br>**Hence, condition is complied.** |
| vi | Used refractories shall be recycling for possible. | The used refractories are used in Steel melting shop as Eccentric Bottom Tapping (EBT) filling mass and sold to outside parties and/or used for land filling.<br><br>**Hence, condition is complied.** |
| vii | SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The Projects proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. the Project proponent shall establish linkage for 100% reuse of rejects from waste recycling plant. | R&D work with various Govt. agencies are carrying out the utilization of Steel slag for various purposes.<br>EAF slag is being used for road construction (Internal roads and National Highways) and land reclamation purpose.<br>Study conducted by Central Road & Research Institute (CRRI) for Construction of Concrete road by using Steel Slag (EAF Slag) as aggregates and construction of JSW Steel, under the CSIR-CRRI technological guidance, has constructed the 1 km long four lane steel slag road section on Indapur-Panvel Section of NH-66 Mumbai-Goa. For construction of this road around 80,000 tons of CONARC Steel slag were converted as processed steel slag aggregates at JSW Steel Dolvi, Raigad plant.<br>Also steel slag can be used for marine applications for |

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|---|---|---|
| | | making tetrapod and marine structures.<br>BOF Slag will be processed by steam quenching technology and shall be used for construction purpose. Proposed project for converting the slag into sand (by processing in Slag to Sand plant).<br><br>**Hence, condition is complied.** |
| viii | 100% utilization of fly ash shall be ensured . All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's regional Office. | This condition is not applicable to this plant.<br><br>The Captive Power plant for the existing and the expansion project are Gas based. Hence Fly Ash will not be generated in the process. Therefore, Fly Ash utilization is not relevant to this plant. |
| ix | Oil Collection pits shall be provided in oil cellars to collect and reuse/ recycle Spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area. | Oil cellar areas, oil collection pits have been provided to collect the spilled oil.<br>This plant is not producing Cold Rolled Coil and don't have facility for storage of cold rolled coil.<br>Hence, condition is complied. |
| x | The Waste oil grease and other hazardous waste like acidic sludge from picking galvanising chrome plating mills etc. Shall be disposed of as per the Hazardous & other waste ( Management & Transboundary Movement ) Rules 2016 Coal tar sludge / decanter shall be recycled to coke ovens . | The used and spent oil generated from the plant shall be sold to MPCB authorized recyclers as per the Hazardous Waste (Management, Handling and Transboundary Movement) Rules.<br>We don't have facility for producing galvanising chrome plating mill. Hence there will not be generation of acidic sludge.<br>Coal tar sludge / decanter generated from Coke oven plant is being recycled to coke ovens as per the CREP Guidelines as the Coke oven plant is recovery type.<br>Hence, condition is complied. |
| xi | Kitchen waste shall be composed or converted to biogas for further use. | Canteen waste is composed and converted into Bio gas.<br><br>Hence, condition is complied. |
| **VII. Green Belt** | | |
| i | Green belt shall be developed in are equal to 33% of the plant area with a native tree species in accordance with CPCB guideline. The greenbelt shall inter alia covert the entire periphery of the plant. | **Green Belt within Plant**:<br><br>Presently, 13% green belt is developed over 80.0 Ha land within the plant premises with 217505 Nos of trees. |

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<table>
<tr><th>Sr. No.</th><th>ENVIRONMENTAL CLEARANCE CONDITIONS</th><th>COMPLIANCE STATUS</th></tr>
<tr><td></td><td></td><td>Balance 18.42 Ha (3%) green belt area is to being developed with 46,200 nos of trees.<br><br>Green Belt in 10 Km Buffer:<br>Green belt outside the plant premises has been developed over 203.00 Ha i.e. 33%.<br>Green belt outside the plant premises is developed in forest land in proximity of the plant in consultation with local forest department over 51 ha land and Mangrove Plantation over 152 ha.<br><br>Hence, condition is complied.</td></tr>
<tr><td>ii</td><td>The Projects proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including planation.</td><td>GHG emissions inventory is being prepared for regular monitoring of CO2 emissions.<br>Plant wise CO2 Emissions contributors are regularly monitored and action plan prepared.<br><br>CO2 emission n reduction plan is as below-
<table>
<tr><th colspan="3">Carbon Footprint Mitigation Plan</th></tr>
<tr><th>Year</th><th>Project details</th><th>Reduction (Kg CO2/TCS)</th></tr>
<tr><td>FY'24</td><td>Optimizing utilization of FY23 Initiatives</td><td>130</td></tr>
<tr><td></td><td>Waste gas recirculation (Sinter 2)</td><td>3</td></tr>
<tr><td>FY'25</td><td>Renewable Energy 95 MW(RTC 30) Wind Power</td><td>15</td></tr>
<tr><td></td><td>Dehumidification in Blast Furnace Cold Blast</td><td>15</td></tr>
<tr><td></td><td>Reduction in BFG Flare from 9.09% to 3% by Injection in CDQ/Installation of BF Steam blower</td><td>35</td></tr>
<tr><td></td><td>Waste Gas Recirculation (Sinter 1)</td><td>3</td></tr>
<tr><td></td><td>NG Injection in BF @ 50 Kg/thm</td><td>25</td></tr>
<tr><td>FY'26</td><td>Renewable Energy 560 MW(RTC 162) (Wind +Solar)</td><td>90</td></tr>
<tr><td></td><td>DRI Usage in BF @ 50 Kg/thm</td><td>15</td></tr>
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<tr><td></td><td></td><td>
<table>
<tr><td></td><td>COG Injection in BF</td><td>15</td></tr>
<tr><td rowspan="4">FY'27</td><td>Best Available Technology in BF#3 (TRT, Stove WHR, GH, Dry GCP)</td><td>20</td></tr>
<tr><td>Increase in Hot Blast Temperature of BF</td><td>30</td></tr>
<tr><td>Gas based (BFG + COG) CPP 137 MW</td><td>60</td></tr>
<tr><td>SMS#3 (Waste Heat Recovery Boiler, LD Gas Recovery)</td><td>40</td></tr>
<tr><td>FY28</td><td>Renewable Energy 330 MW (RTC 106)</td><td>40</td></tr>
<tr><td>FY28</td><td>Use of scrap</td><td>120</td></tr>
</table>
Hence, condition is complied</td></tr>
<tr><td colspan="3">VIII. Public hearing and Human health issues</td></tr>
<tr><td>i</td><td>Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management plan shall be implemented .</td><td>Plant wise Hazard Identification and Risk Assessment (HIRA) and Disaster Management plan are already implemented.<br><br>Hence, condition is complied.</td></tr>
<tr><td>ii</td><td>The project proponent shall carry out heat stress analysis for the workmen who work in in high temperature work zone provide personal protection Equipment (PPE) as per the norms of factory Act.</td><td>Heat Stress analysis is being implemented for the workman who are working in high temperature area and adequate PPEs shall be provided. The records are maintained and submitted to statutory authorities by HR.<br>Hence, condition is complied</td></tr>
<tr><td>iii</td><td>Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking mobile toilets, mobile STP, safe drinking water medical health care ,crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.</td><td>During construction of housing colony, necessary infrastructure and facilities such as fuel for cooking mobile toilets, mobile STP, safe drinking water medical health care, crèche etc is being provided to the labours.<br><br>After completion of the entire project activities, the same shall be removed.<br>Hence, condition is complied</td></tr>
<tr><td>iv</td><td>Occupational heath surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.</td><td>As per the Factories Act, regular health check-ups have been done for workers and employees & records are maintained on regular basis.<br>Hence, condition is complied</td></tr>
</table>

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| | | |
| **IX CSR Environment Responsibility** | | |
| i | The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental police should prescribe for standards operating to have proper check and balance and to bring into focus any infringements / deviation /violation of the environmental /forest / wildlife norms/conditions. The company shall have defined system of reporting infringements /deviation /violation of the environmental / forest / wildlife norms / conditions and /or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF &CC as a part of six- monthly report. | Environment Policy is in place and being complied in adherence to Environmental Clearance, Environmental Laws and regulations.<br>Copy of Environment Policy is enclosed as **Annexure-8**.<br><br>**Hence, condition is complied.** |
| ii | A Separate Environmental Cell both at the Project and company head quarter level , with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization. | Separate Environment Cell is in place having qualified Environment personnel. The Environment Cell team size is around 25 nos.<br>The Team reports to Site Environment head and Site Environment head reports to Site Head and Corporate Environment Head, who reports to Chief Operations Officers- COO.<br><br>**Hence, condition is complied.** |
| iii | Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the | A separate budget head created under Environment Management Programme and the fund marked for Environment protection measures shall be maintained separately and it will not have diverted for any other purpose.<br><br>Rs 806 Crores spent for Expenditure on Environment Protection as capital investment for plants under Expansion from 5 to 10 MTPA steel Plant for pollution control devises for Air, Water and Solid Wastes.<br><br>**Hence, condition is complied.** |

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| | Ministry / regional office along with the Six Monthly Compliance Report. | |
| iv | Self environment audit shall be conducted annually. Every three years third party environmental audit shall be carried out. | Internal audit is conducted by trained internal audit team.<br><br>External audit also conducted by third party once in a year.<br><br>**Hence, condition is complied.** |
| v | All the recommendation made the charter on corporate responsibility for Environment protection (CREP)_ for the Iron and steel plants shall implemented. | The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants shall be complied as per the guidelines.<br><br>• Blast Furnace – Energy recovery of top blast furnace gas is being done with power generation through TRT by using top pressure of BF gas.<br>• DRY Gas Cleaning Plant installed in Blast Furnace.<br>• Steel Melting Shop (SMS), secondary de-dusting system has been installed to control fugitive emissions<br>• Coal Injection Plant for direct injection of pulverized coal in Blast Furnace has been implemented. Present rate of CDI in our Blast Furnace is 200 Kg/THM.<br>• BF Slag- 100% utilized in Cement plant.<br>• Steel slag- Utilized 100 % for construction activities for expansion projects by land reclamation in the low lying areas and is also being used for internal road making. Further the slag will be utilized for road construction and marine applications like tetrapod and other civil structures.<br>• Cast House Fume extraction system inclusive of tap holes, runners, skimmers, ladle and charging points have been provided to control Fugitive emissions from Blast Furnace.<br><br>• The specific water consumption for the year 2023 - 24 is < 2.35 m3/t of crude steel which is well below the targets for flat products and as well as for long products.<br><br>Online Stack Monitoring System have been installed on all stacks. The real time data is interlinked with MPCB and CPCB server. |

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| | | **Hence, condition is complied.** |
| **X. Miscellaneous** | | |
| i | The Projects proponent shall make public the environmental clearance granted for their projects along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspaper of the District or State, of which one shall be in the vernacular language within seven days and addition this shall also be displayed in the project proponent's website permanently. | Published in newspaper as per guidelines namely in Local newspaper Dainik Krushiwal, Raigad Times, Ramprahar dated 30th June 2020 and English newspaper Free Press Journal dated July 10, 2020 and the same was displayed on JSW website.<br><br>**Hence, condition is complied.** |
| | The copies of environmental clearance shall be submitted by the projects proponents to the Heads of local bodies. panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt. | A copy of Environment Clearance letter is already submitted to concerned Panchayat, Zillah Parishad/Municipal Corporation, Urban Local Body and the local NGO,<br><br>**Hence, condition is complied.** |
| iii | The project proponent shall up lode the status compliance of stipulated environment clearance conditions including results of monitored date on their website and update the same on half – yearly basis. | Noted and shall be complied on regular basis.<br><br>Environmental Monitoring Report and EC Compliance status are regularly updated on the company website.<br><br>**Hence, condition is complied.** |
| iv | The Projects Proponent shall monitor the criteria pollutants level namely; $PM_{10,}$ $SO_2$, $NO_x$ ( ambient levels as well as stack emissions) or critical sectoral parameters , indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company. | Environmental parameters are monitored on monthly basis and the Six monthly environmental monitoring reports are submitted to MoEFCC and displayed the same in JSW Steel website.<br><br>**Hence, condition is complied.** |
| v | The Project proponent shall submit six- monthly reports on the status of the compliance of the stipulated Environmental conditional on the website of the ministry of | Six monthly environmental Clearance compliance reports are submitted to MoEFCC and displayed the same in JSW Steel website.<br><br>**Hence, condition is complied.** |

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| | environment ,Forest and Climate change at environmental Clearance portal. | |
| vi | The Project proponent shall submit the environment statement for each financial year in from –V to the concerned state pollution control Board as prescribed under the Environment (Protection ) Rules , 1986, as amended subsequently and put on the website of the company. | Environment Statement reports are prepared and submitted to MPCB before 30th September of every year. The same is uploaded on JSW Steel Website.<br><br>**Hence, condition is complied.** |
| vii | The Project proponent shall inform the Regional office as well as Ministry , the date of financial, closure and final approval of the project by the concerned authorities commencing the land development work and start of production operation by the project. | The status of commencement and start of production is provided to all the authorities with six monthly compliance reports.<br><br>**Hence, condition is complied.** |
| viii | The Project authorities must strictly adhere to the stipulations mode by the state pollution control Board and the state Government. | The Project authorities is adhering strictly to the stipulations mode by the state pollution control Board and the state Government.<br><br>**Hence, condition is complied.** |
| ix | The Project proponent shall abide all the commitments and recommendations made in the EIA/ EMP report ,commitment made during public Hearing and also that during their presentation to the Expert Appraisal Committee . | Separate budget is maintained for implementing the projects/ issues as discussed during Public Hearing and as per the discussions with the Expert Appraisal Committee.<br><br>JSW foundation is the apex organization which is responsible for implementation of CSR activity in and around Dolvi works. JSW foundation is supported by JSW Steel Limited & will be complied.<br>The project proponent has spent the following Amount on CSR Activities:<br>The project proponent has spent Rs 13.42 Crores under CSR activity for 2023-24 (April to March 2024)<br>The above amount has been spent on Social Development- (Education & Training), Skill Development, Water and Sanitization, Agriculture, Rural Development, Health, Solid Waste Management and Community Development. |

**Compliance Report to Conditions stipulated in Environment Clearance for Changes in Plant configuration for proposed expansion of Integrated Steel Plant from 5 to 10 MTPA by M/s JSW Steel Limited at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra [No J-11011/76/2013-IA-II(I) dated 16/06/2020] for period (October 2024 to March 2025)**

| Sr. No. | ENVIRONMENTAL CLEARANCE CONDITIONS | COMPLIANCE STATUS |
|---|---|---|
| | | **Hence, condition is complied.** |
| x | No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment , Forests and Climate Change (MoEF/ CC). | No further expansion or modification in the plant have been carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF/ CC).<br><br>**Hence, condition is complied.** |
| xi | Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection ) Act,1986. | All the data is submitted with authenticity and undertaking for correctness.<br><br>**Hence, condition is complied.** |
| xii | The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory. | All the required conditions are implemented.<br><br>**Hence, condition is complied.** |
| xiii | The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions. | Agreed and complied for the conditions of MoEF&CC.<br><br>**Hence, condition is complied.** |
| xiv | The Regional office of this Ministry Monitor Compliance of stipulated conditional. The Project authorities should extended full cooperation to the officer (s) of the regional office by furnishing the requisite data /information/monitoring reports. | Agreed and complied.<br><br>**Hence, condition is complied.** |
| xv | The above conditions shall be enforced inter – alia under provisions of the water (Prevention & Control of Pollution ) Act,1974 the Air ( Prevention & Control of Pollution)Act,1981 , the Environment (Protection) Act ,1986 Hazardous and other Wastes ( Management and transboundary Movement ) Rules ,2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules ,2016 and any other orders passed by the hon'ble supreme Court of India /High | The plant is complying for<br>• The Water (Prevention and Control of Pollution) Act 1974<br>• The Air (Prevention and Control of Pollution) Act 1981<br>• The Environment (Protection) Act 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules 2008<br>• The Public (Insurance) Liability Act 1991 along with their amendments and Rules.<br><br>**Hence, condition is complied.** |

**Compliance Report to Conditions stipulated in Environment Clearance for Changes in Plant configuration for proposed expansion of Integrated Steel Plant from 5 to 10 MTPA by M/s JSW Steel Limited at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra [No J-11011/76/2013-IA-II(I) dated 16/06/2020] for period (October 2024 to March 2025)**

| Sr. No. | ENVIRONMENTAL CLEARANCE CONDITIONS | COMPLIANCE STATUS |
|---|---|---|
| | Court and any other Court of Law relating to the Subject matter. | |
| xvi | Any appeal against this EC shall lie with National Green Tribunal ,if any, preferred within a period of 30 days as prescribed under section 16 of the National green Tribunal Act,2010. | Agreed and complied.<br><br>**Hence, condition is complied.** |

Annexure-1

# Green belt Development Near Main Gate

**Plantation Near Goa Gate**

**Plantation Near Goa Gate**

**Green belt inside the plant**

**Green belt Near Main Gate**

# Green belt Development

Green belt at Admin building and Gas Storage

Green belt at Internal Roads

| | | |
|---|---|---|
|  | Green belt around Temple within plant at Entry gate<br>  |  |

| Green belt along internal roads | | |
|---|---|---|
|  |  |  |

Green Belt along Boundary Wall

Green belt at peripheral road

Green belt near Junction house/conveyor belt route

Green belt along conveyor belt route

Green belt at Sponge Iron Plant

Green belt at Gas receiving Station

Green belt at open area within plant

Green belt near LD Plant and internal road

Green belt at HSM Plant

Green belt near power Plant

Green belt in open area near Main Gate

Green belt at receipt and dispatch yard


Green belt around oxygen plant and rail track

## Annexure-2

## CER Details for five years (in Crores) from 2017 to 2022

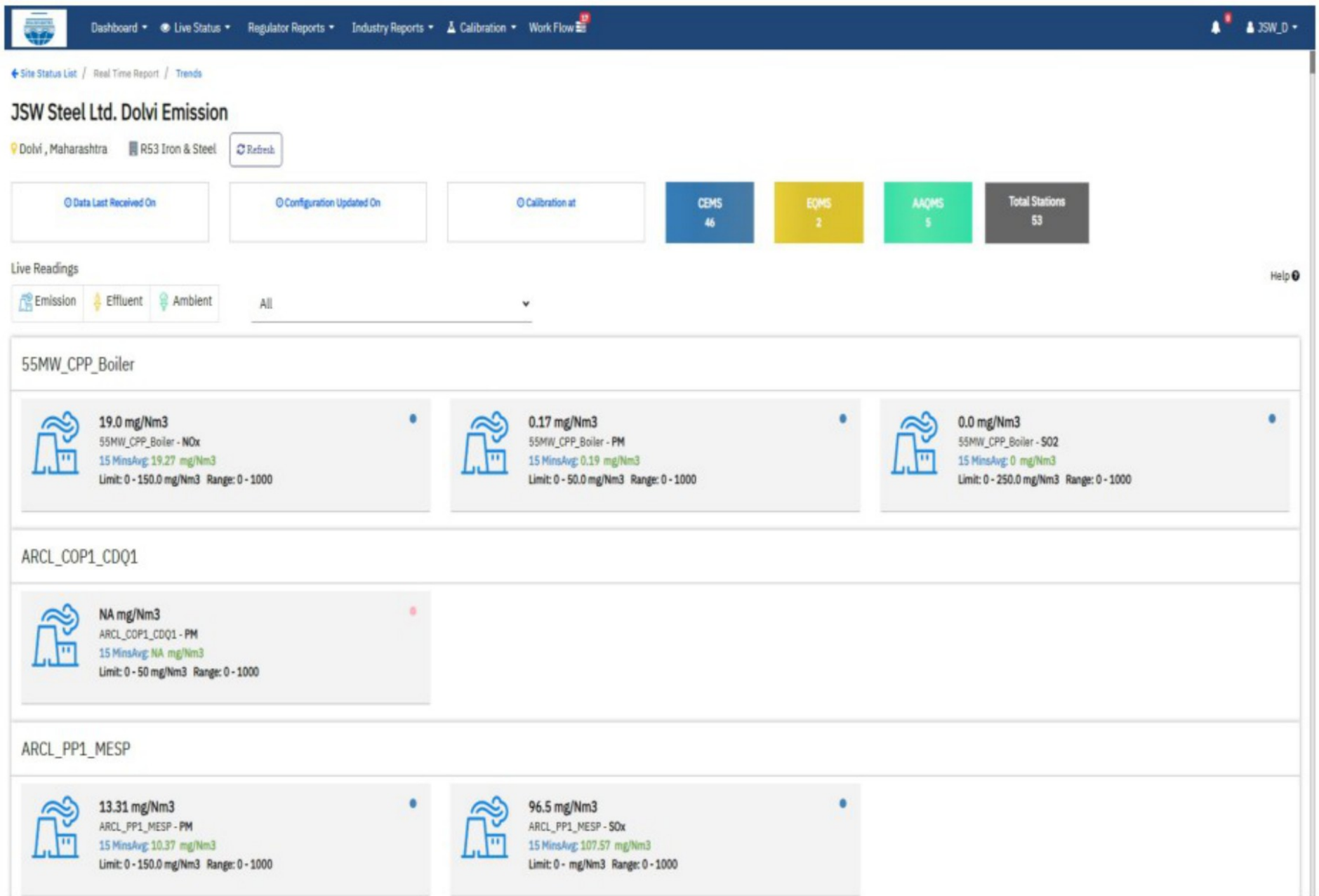
| S. No | Programme | Program details | Total | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 |
|---|---|---|---|---|---|---|---|---|
| 1 | **Health** | Construction of a new Multi speciality Hospital Jindal Sanjeevani Dolvi Hospital (70 beds) located near the plant on the road to Wadkhal. The hospital will serve the healthcare needs of the local community and employees at affordable costs making healthcare accessible to the local community. | 65 | 10 | 20 | 25 | 10 | - |
| 2 | **Water** | Provision of drinking water to 45 villages along the makeup water line to the steel plant. | 15 | 2 | 8 | 5 | | |
| | | Construction of Rain Water Harvesting at roof top of nearby villages and nearby schools. | 0.76 | 0.17 | 0.14 | 0.15 | 0.15 | 0.15 |
| | | Renovation of community ponds nearby villages | 0.45 | 0.08 | 0.07 | 0.1 | 0.1 | 0.1 |
| 3 | **Infrastructure** | Construction of internal village roads, pathways, Drainage and installation of solar street lights | 16.35 | 1.75 | 3.4 | 3.6 | 3.8 | 3.8 |
| 4 | **Skill development** | Supporting Infrastructure facilities at Industrial Training Institutes (ITIs) at Nagothane and Pen.<br>JSW Skill school at Wadkhal, Pen for tailoring, fish, hand gloves, vegetable shop, other livelihood options. | 8 | 1.5 | 1.25 | 1.75 | 1.75 | 1.75 |
| 5 | **Agricultural and Scientific support** | Support of better farming practices, market linkages and create awareness about Agri allied business | 4.25 | 0.65 | 0.9 | 0.9 | 0.9 | 0.9 |
| 6 | **Plantation** | Mangrove plantation within 10 KM area from the plant. (345 Acres).<br>Tree Plantation at Forest land of nearby plant area (Dolvi, Khakarav).<br>Avenue Plantation at NH in the plant area. | 9 | 1.25 | 1.75 | 2 | 2 | 2 |
| | | **TOTAL** | **118.81** | **17.4** | **35.51** | **38.5** | **18.7** | **8.7** |

--X--

## Copy of all Water drawl permission letters Annexure-3.2

**List of all Water drawl permission letters of JSWSL, Dolvi**

| Sn | Description | Permitted drawl quantity (in MLD) |
|---|---|---|
| 1. | 7.00 MLD (ARCL) WATER AGREEMENT | 7.00 |
| 2. | 9.00 MLD (JSW VILLAGERS) WATER AGREEMENT | 9.00 |
| 3. | 35.70 MLD (JSW) WATER AGREEMENT | 35.70 |
| 4. | 55.16 MLD (JSW) WATER AGREEMENT | 55.16 |
| 5. | 58.98 MLD (JSW) WATER AGREEMENT | 58.98 |
| **Total permitted quantity for drawl** | | **165.84** |


Dashboard
Live Status
Regulator Reports
Industry Reports
Calibration
Work Flow
JSW_D
Site Status List / Real Time Report / Trends
JSW Steel Ltd. Dolvi Emission
Dolvi , Maharashtra
R53 Iron & Steel
Refresh
Data Last Received On
Configuration Updated On
Calibration at
CEMS 46
EQMS 2
AAQMS 5
Total Stations 53
Live Readings
Help
Emission
Effluent
Ambient
All
55MW_CPP_Boiler
19.0 mg/Nm3
55MW_CPP_Boiler - NOx
15 MinsAvg: 19.27 mg/Nm3
Limit: 0 - 150.0 mg/Nm3 Range: 0 - 1000
0.17 mg/Nm3
55MW_CPP_Boiler - PM
15 MinsAvg: 0.19 mg/Nm3
Limit: 0 - 50.0 mg/Nm3 Range: 0 - 1000
0.0 mg/Nm3
55MW_CPP_Boiler - SO2
15 MinsAvg: 0 mg/Nm3
Limit: 0 - 250.0 mg/Nm3 Range: 0 - 1000
ARCL_COP1_CDQ1
NA mg/Nm3
ARCL_COP1_CDQ1 - PM
15 MinsAvg: NA mg/Nm3
Limit: 0 - 50 mg/Nm3 Range: 0 - 1000
ARCL_PP1_MESP
13.31 mg/Nm3
ARCL_PP1_MESP - PM
15 MinsAvg: 10.37 mg/Nm3
Limit: 0 - 150.0 mg/Nm3 Range: 0 - 1000
96.5 mg/Nm3
ARCL_PP1_MESP - SOx
15 MinsAvg: 107.57 mg/Nm3
Limit: 0 - mg/Nm3 Range: 0 - 1000

# Annexure VII

Environment Monitoring Report for the period October 2024 to March 2025 for plants under Phase 1 & 2

JSW Steel Limited

**Dolvi Works:**
Geetapuram,
Dolvi, Taluka - Pen,
Dist. Raigad - 402 107. Maharashtra, India.
CIN : L27102MH1994PLC152925
Phone : +91 2143 663000/3100/3200
Fax : +91 2143 277533/42
Website : www.jsw.in

**BY COURIER**

May 28, 2025

JSWSL/ENV/MOEF&CC/2025

To

Regional Officer,
Ministry of Environment, Forests & Climate Change
Regional Office, (West Central Zone)
Ground Floor, East Wing,
New Secretarial Building, Civil Line,
Nagpur – 440001.

Sub: Submission of Six Monthly Environmental Monitoring Reports for Integrated Steel Plant for the Period of October 2024 to March 2025.

Ref: i) EC from MoEF vide F No J-11011 / 4 / 96 – IA – II dated 31st December 1996.
ii) EC from MoEF, vide F No J-11011/166/2011-IA-II (I) dated 21st November 2012.
iii) EC from MoEF, vide F No J-11011/176/2013-IA-II (I) dated 25th August 2015.

Dear Sir,

Please find enclosed the six monthly Environmental Monitoring Reports for the period of October 2024 to March 2025 for Integrated Steel Plant. Report contains the analysis of Cooling Tower Blow Down, Treated & Untreated Effluent from Sponge Iron Plant, Stack Emissions and Work Zone Air Quality from Sponge Iron Plant, Hot Strip Mill Plant, Blast Furnace Plant, Lime Calcining Plant, Captive Power Plant, Sinter Plant-I, Sinter Plant-II, Billet Caster and Bar Mill and Ambient Air Quality for the Integrated Steel Plant.

This is for your information and record please.

Thanking You,

Yours Faithfully,
For JSW Steel Limited,

Satish Kumar Choudhary
General Manager(Environment)

CC: 1) The Director, MoEF&CC, Indira Paryavaran Bhawan, Jor Bagh, Lodi Road, New Delhi-110003 for kind information.
2) The Zonal officer, CPCB, Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara-390 023, Gujarat.
3) The Regional Officer, MPCB, Raigad, Raigad Bhavan, CBD Belapur, Navi Mumbai.

JINDAL Part of O. P. Jindal Group

**Regd. Office:** JSW Centre,
Bandra Kurla Complex,
Bandra (East), Mumbai - 400 051.
Phone : +91 22 4286 1000
Fax : +91 22 4286 3000

# JSW STEEL LIMITED

**GEETAPURAM, DOLVI, TAL.- PEN, DIST.- RAIGAD, PIN - 402 107**

## SPONGE IRON PLANT

## COOLING TOWER BLOWDOWN WATER ANALYSIS REPORT

| Sr. No. | PARAMETERS | UNIT | VALUES | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Oct-24 | Nov-24 | Dec-24 | Jan-25 | Feb-25 | Mar-25 |
| 1 | Chromium | mg/l | 0.0014 | 0.0014 | 0.0016 | 0.0014 | 0.0015 | 0.0014 |
| 2 | Zinc | mg/l | 0.089 | 0.089 | 0.089 | 0.091 | 0.092 | 0.091 |
| 3 | Phosphate | mg/l | 0.87 | 0.87 | 0.091 | 0.92 | 0.93 | 0.89 |
| 4 | Free Chlorine | mg/l | Nil | Nil | Nil | Nil | Nil | Nil |

Prepared By
P. P. Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager(Environment)

# JSW STEEL LIMITED

**GEETAPURAM, DOLVI, TAL.- PEN, DIST.- RAIGAD, PIN - 402 107**

## SPONGE IRON PLANT

## SIX MONTHLY TREATED EFFLUENT ANALYSIS REPORT

| SR. NO. | PARAMETERS | UNIT | VALUES | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Oct-24 | Nov-24 | Dec-24 | Jan-25 | Feb-25 | Mar-25 |
| 1 | Temperature | °C | 27.2 | 27.3 | 27.2 | 27 | 27.3 | 27.3 |
| 2 | pH | - | 7.3 | 7.3 | 7.2 | 7.2 | 7.3 | 7.2 |
| 3 | D.O. | mg/l | 5.5 | 5.5 | 5.6 | 5.5 | 5.5 | 5.4 |
| 4 | T.S.S. | mg/l | 19.8 | 19.2 | 18.7 | 19.9 | 20.7 | 19.6 |
| 5 | T.D.S. | mg/l | 341.3 | 330 | 337 | 329.0 | 353 | 347 |
| 6 | C.O.D. | mg/l | 23.9 | 23.9 | 23.9 | 20.2 | 23.2 | 20.5 |
| 7 | B.O.D. | mg/l | 6.9 | 7.3 | 7.4 | 7.1 | 6.9 | 6.5 |
| 8 | Oil & Grease | mg/l | 3.5 | 3.6 | 3.8 | 4.0 | 3.6 | 3.4 |
| 9 | Iron | mg/l | 0.4 | 0.30 | 0.30 | 0.4 | 0.30 | 0.40 |
| 10 | Chlorides | mg/l | 62.5 | 51.20 | 61.20 | 66.2 | 65.00 | 77.00 |
| 11 | Sulphates | mg/l | 2.4 | 2.3 | 2.4 | 2.4 | 2.4 | 2.4 |
| 12 | Bioassay Test on 100 % Effluent for 96 Hours. | Survival Rate | 100% | 100% | 100% | 100% | 100% | 100% |
| 13 | Receiving Water Body Temperature | $^0$C | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 |

Prepared By
P. P. Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

# JSW STEEL LIMITED

**GEETAPURAM, DOLVI, TAL.- PEN, DIST.- RAIGAD, PIN - 402 107**

## SPONGE IRON PLANT

## SIX MONTHLY UNTREATED EFFLUENT ANALYSIS REPORT

| SR. NO. | PARAMETERS | UNIT | VALUES | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Oct-24 | Nov-24 | Dec-24 | Jan-25 | Feb-25 | Mar-25 |
| 1 | Temperature | °C | 56.2 | 56.1 | 55.9 | 56.1 | 56.3 | 56.2 |
| 2 | pH | - | 8.1 | 8.2 | 8.2 | 8.3 | 8 | 8.1 |
| 3 | D.O. | mg/l | 2.1 | 2.2 | 2.2 | 2.3 | 2.2 | 2.2 |
| 4 | T.S.S. | mg/l | 620.0 | 614.8 | 600.4 | 626.3 | 629.6 | 611.0 |
| 5 | T.D.S. | mg/l | 447.5 | 459.0 | 449.3 | 459.8 | 491.5 | 455.6 |
| 6 | C.O.D. | mg/l | 47.7 | 45.1 | 47.8 | 45.4 | 51.3 | 45.0 |
| 7 | B.O.D. | mg/l | 7.8 | 8.3 | 8.7 | 10.5 | 10.9 | 11.0 |
| 8 | Oil & Grease | mg/l | 4.5 | 4.9 | 5.0 | 4.4 | 5 | 5 |
| 9 | Iron | mg/l | 1.3 | 1.3 | 1.28 | 1.4 | 1.2 | 1.30 |
| 10 | Chlorides | mg/l | 120.0 | 137.5 | 138.70 | 140 | 131.2 | 123.00 |
| 11 | Sulphates | mg/l | 3.3 | 3.3 | 3.40 | 2.6 | 3.3 | 3.20 |

Prepared By
P. P. Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

# JSW STEEL LIMITED

## Integrated Steel Mill Complex

## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

| Fugitive Emission Status | | | | | |
|---|---|---|---|---|---|
| Sr. No. | Location of the station | Date of Monitoring | Parameters | | |
| | | | PM10 | SO2 | Nox |
| | **Hot Strip Mill Plant** | | | | |
| | **CPCB Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Near GCP I Control Room | 21-10-2024 | 1773 | 7.1 | 25.37 |
| | | 04-11-2024 | 1642 | 7.6 | 26.98 |
| | | 02-12-2024 | 1553 | 7.6 | 26.98 |
| | | 06-01-2025 | 1758 | 7.10 | 27.75 |
| | | 04-02-2025 | 1489 | 6.60 | 30.02 |
| | | 11-03-2025 | 1230 | 7.09 | 30.06 |
| 2 | Near GCP II & III Control Room | 21-10-2024 | 1873 | 5.50 | 22.35 |
| | | 04-11-2024 | 1743 | 6.60 | 21.58 |
| | | 02-12-2024 | 1470 | 6.60 | 21.58 |
| | | 06-01-2025 | 1873 | 6.30 | 20.81 |
| | | 04-02-2025 | 1757 | 6.80 | 22.33 |
| | | 11-03-2025 | 1023 | 6.31 | 22.35 |
| 3 | Near EAF Control Room Shell 1 & 2 | 22-10-2024 | 1762 | 8.40 | 19.27 |
| | | 04-11-2024 | 1767 | 8.90 | 22.35 |
| | | 02-12-2024 | 1686 | 8.90 | 22.35 |
| | | 06-01-2025 | 1758 | 8.40 | 21.58 |
| | | 05-02-2025 | 1465 | 9.20 | 23.87 |
| | | 11-03-2025 | 1441 | 8.41 | 20.04 |
| 4 | Near EAF Control Room Shell 3 & 4 | 21-10-2024 | 1905 | 6.80 | 16.19 |
| | | 05-11-2024 | 1759 | 6.30 | 19.27 |
| | | 03-12-2024 | 1630 | 6.30 | 19.27 |
| | | 07-01-2025 | 1702 | 5.80 | 20.04 |
| | | 06-02-2025 | 1646 | 6.30 | 20.79 |
| | | 11-03-2025 | 1255 | 5.78 | 21.58 |
| 5 | Near Caster Control Room | 19-10-2024 | 1972 | 6.30 | 24.67 |
| | | 04-11-2024 | 1788 | 6.80 | 25.44 |
| | | 02-12-2024 | 1534 | 6.80 | 25.44 |
| | | 06-01-2025 | 1850 | 6.60 | 24.67 |
| | | 04-02-2025 | 1586 | 5.80 | 26.21 |
| | | 13-03-2025 | 1484 | 6.57 | 26.21 |

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager(Environment)

# JSW STEEL LIMITED
## Integrated Steel Mill Complex
## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

| Fugitive Emission Status | | | | | |
|---|---|---|---|---|---|
| Sr. No. | Location of the station | Date of Monitoring | Parameters | | |
| | | | PM10 | SO2 | Nox |
| 6 | Near Mould & Segment repair Shop | 21-10-2024 | 1614 | 7.30 | 16.15 |
| | | 05-11-2024 | 1857 | 7.10 | 18.50 |
| | | 03-12-2024 | 1009 | 7.10 | 18.50 |
| | | 07-01-2025 | 1650 | 7.40 | 19.27 |
| | | 04-02-2025 | 1682 | 6.80 | 21.58 |
| | | 13-03-2025 | 1284 | 7.36 | 20.81 |
| 7 | Mill Area - Near Shift Incharge Cabin | 22-10-2024 | 1699 | 6.30 | 20.04 |
| | | 05-11-2024 | 1758 | 6.80 | 22.35 |
| | | 03-12-2024 | 562 | 6.80 | 22.35 |
| | | 07-01-2025 | 1766 | 6.30 | 21.58 |
| | | 06-02-2025 | 1697 | 7.60 | 20.81 |
| | | 13-03-2025 | 1488 | 6.31 | 20.04 |
| | **Sponge Iron Plant** | | | | |
| | **CPCB Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Near R.M Handling Area | 22-10-2024 | 1796 | 8.1 | 24.64 |
| | | 07-11-2024 | 1893 | 8.7 | 27.75 |
| | | 06-12-2024 | 1475 | 8.7 | 27.75 |
| | | 09-01-2025 | 1874 | 9.20 | 26.98 |
| | | 03-02-2025 | 1540 | 7.3 | 28.49 |
| | | 05-03-2025 | 1897 | 9.2 | 29.29 |
| 2 | Near R.M Feeding Area | 10-23-2024 | 1937 | 6.8 | 20.76 |
| | | 07-11-2024 | 1892 | 6.6 | 18.50 |
| | | 06-12-2024 | 1279 | 6.6 | 18.50 |
| | | 09-01-2025 | 1869 | 5.80 | 16.96 |
| | | 03-02-2025 | 1368 | 6.6 | 19.25 |
| | | 05-03-2025 | 1677 | 5.8 | 19.25 |
| 3 | Near R.M Sceen Area | 10-22-2024 | 1660 | 7.6 | 21.58 |
| | | 07-11-2024 | 1818 | 7.1 | 20.04 |
| | | 06-12-2024 | 1477 | 7.1 | 20.04 |
| | | 09-01-2025 | 1731 | 6.80 | 18.50 |
| | | 03-02-2025 | 1400 | 7.6 | 22.33 |
| | | 05-03-2025 | 1985 | 6.8 | 20.04 |
| 4 | Near R.M .Silo Area | 10-23-2024 | 1841 | 6.3 | 18.50 |
| | | 07-11-2024 | 1703 | 6.8 | 16.96 |
| | | 06-12-2024 | 1334 | 6.8 | 16.96 |
| | | 09-01-2025 | 1797 | 6.30 | 20.81 |
| | | 03-02-2025 | 1190 | 6.6 | 21.56 |
| | | 04-03-2025 | 1892 | 6.3 | 21.58 |

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager(Environment)

# JSW STEEL LIMITED

## Integrated Steel Mill Complex

## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

| Fugitive Emission Status | | | | | |
|---|---|---|---|---|---|
| Sr. No. | Location of the station | Date of Monitoring | Parameters | | |
| | | | PM10 | SO2 | Nox |
| 5 | Near Furnace Area | 23-10-2024 | 1918 | 5.8 | 19.17 |
| | | 08-11-2024 | 1672 | 7.4 | 20.81 |
| | | 07-12-2024 | 1572 | 7.4 | 20.81 |
| | | 10-01-2025 | 1648 | 7.10 | 22.35 |
| | | 04-02-2025 | 1780 | 7.1 | 23.87 |
| | | 04-03-2025 | 1326 | 7.9 | 28.50 |
| 6 | Near Product Screen Area | 24-10-2024 | 1813 | 6.6 | 16.19 |
| | | 08-11-2024 | 1876 | 6.3 | 19.27 |
| | | 07-12-2024 | 1533 | 6.3 | 19.27 |
| | | 10-01-2025 | 1835 | 6.60 | 18.50 |
| | | 04-02-2025 | 1882 | 6.8 | 20.02 |
| | | 04-03-2025 | 1890 | 6.6 | 20.81 |
| 7 | Near Product Silo | 23-10-2024 | 1739 | 6.3 | 19.27 |
| | | 08-11-2024 | 1865 | 7.1 | 26.21 |
| | | 07-12-2024 | 1296 | 7.1 | 26.21 |
| | | 10-01-2025 | 1745 | 7.60 | 23.90 |
| | | 04-02-2025 | 1912 | 7.1 | 25.41 |
| | | 04-03-2025 | 1977 | 7.6 | 24.67 |
| 8 | Near Loading Point | 24-10-2024 | 1685 | 6.8 | 24.67 |
| | | 08-11-2024 | 1532 | 7.4 | 26.98 |
| | | 07-12-2024 | 1682 | 7.4 | 26.98 |
| | | 10-01-2025 | 1535 | 6.80 | 24.67 |
| | | 04-02-2025 | 1885 | 6.3 | 28.52 |
| | | 05-03-2025 | 1096 | 6.8 | 26.98 |
| | **Blast Furnace Plant** | | | | |
| | **CPCB Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Near Stock House | 10-10-2024 | 1748 | 6.30 | 20.81 |
| | | 09-11-2024 | 1869 | 5.80 | 21.58 |
| | | 09-12-2024 | 1776 | 5.80 | 21.58 |
| | | 11-01-2025 | 1852 | 6.00 | 22.35 |
| | | 05-02-2025 | 1975 | 6.04 | 22.33 |
| | | 15-03-2025 | 1693 | 6.04 | 21.56 |
| 2 | Near Stove Area | 10-10-2024 | 1791 | 5.80 | 18.48 |
| | | 09-11-2024 | 1785 | 6.80 | 20.04 |
| | | 09-12-2024 | 1092 | 6.80 | 20.04 |
| | | 11-01-2025 | 1735 | 6.60 | 21.58 |
| | | 05-02-2025 | 1230 | 6.56 | 21.56 |
| | | 12-03-2025 | 1956 | 6.58 | 20.84 |

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager(Environment)

# JSW STEEL LIMITED

## Integrated Steel Mill Complex

## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

| Fugitive Emission Status | | | | | |
|---|---|---|---|---|---|
| Sr. No. | Location of the station | Date of Monitoring | Parameters | | |
| | | | PM10 | SO2 | Nox |
| 3 | Near Cast House East Side | 11-10-2024 | 1926 | 9.10 | 25.83 |
| | | 09-11-2024 | 1840 | 9.50 | 24.67 |
| | | 09-12-2024 | 1384 | 9.50 | 28.78 |
| | | 11-01-2025 | 1896 | 10.20 | 31.86 |
| | | 05-02-2025 | 1651 | 10.53 | 33.02 |
| | | 15-03-2025 | 1142 | 10.13 | 33.83 |
| 4 | Near Cast House West Side | 10-10-2024 | 1964 | 4.70 | 18.48 |
| | | 09-11-2024 | 1738 | 3.90 | 21.58 |
| | | 09-12-2024 | 1574 | 3.90 | 21.58 |
| | | 11-01-2025 | 1820 | 6.30 | 22.35 |
| | | 05-02-2025 | 1423 | 6.30 | 22.33 |
| | | 12-03-2025 | 1010 | 6.27 | 26.08 |
| 5 | Near Slag Granulation Area | 11-10-2024 | 1828 | 6.00 | 20.81 |
| | | 11-11-2024 | 1838 | 6.60 | 19.27 |
| | | 10-12-2024 | 1228 | 6.60 | 19.27 |
| | | 13-01-2025 | 1648 | 7.10 | 21.58 |
| | | 06-02-2025 | 1930 | 7.08 | 21.56 |
| | | 15-03-2025 | 1577 | 7.08 | 20.02 |
| 6 | Near PCM - 1 | 10-10-2024 | 1824 | 7.10 | 18.50 |
| | | 11-11-2024 | 1740 | 7.40 | 27.75 |
| | | 10-12-2024 | 1195 | 7.40 | 27.75 |
| | | 13-01-2025 | 1731 | 6.60 | 25.44 |
| | | 15-02-2025 | 1577 | 7.08 | 20.02 |
| | | 13-03-2025 | 1529 | 6.57 | 26.98 |
| | **Lime Calcination Plant** | | | | |
| | **CPCB Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Near Kiln I&II Lime Dedusting system | 09-10-2024 | 1730 | 5.8 | 20.04 |
| | | 06-11-2024 | 1888 | 7.4 | 20.81 |
| | | 04-12-2024 | 1419 | 7.4 | 20.81 |
| | | 08-01-2025 | 1837 | 6.60 | 21.58 |
| | | 01-02-2025 | 1880 | 7.30 | 22.33 |
| | | 03-03-2025 | 1263 | 6.57 | 20.81 |
| 2 | Near product storage &Quick Lime Building | 09-10-2024 | 1810 | 6.80 | 22.35 |
| | | 06-11-2024 | 1758 | 6.30 | 21.58 |
| | | 04-12-2024 | 1427 | 6.30 | 21.58 |
| | | 08-01-2025 | 1780 | 5.80 | 22.35 |
| | | 01-02-2025 | 1849 | 6.80 | 25.41 |
| | | 03-03-2025 | 1903 | 5.78 | 23.90 |

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager(Environment)

# JSW STEEL LIMITED
## Integrated Steel Mill Complex
## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

| Fugitive Emission Status | | | | | |
|---|---|---|---|---|---|
| Sr. No. | Location of the station | Date of Monitoring | Parameters | | |
| | | | PM10 | SO2 | Nox |
| 3 | Lime Stone Feeding Building LCP-4 | 09-10-2024 | 1836 | 6.60 | 18.50 |
| | | 06-11-2024 | 1877 | 8.10 | 19.27 |
| | | 04-12-2024 | 1588 | 8.10 | 19.27 |
| | | 08-01-2025 | 1754 | 7.60 | 20.04 |
| | | 01-02-2025 | 1677 | 5.50 | 26.95 |
| | | 03-03-2025 | 1871 | 7.62 | 22.35 |
| 4 | Lime Dedusting System Area LCP-4 | 09-10-2024 | 1956 | 6.60 | 21.58 |
| | | 06-11-2024 | 1820 | 7.60 | 22.35 |
| | | 04-12-2024 | 1023 | 7.60 | 22.35 |
| | | 08-01-2025 | 1758 | 8.10 | 20.81 |
| | | 01-02-2025 | 1183 | 8.70 | 26.18 |
| | | 03-03-2025 | 1668 | 8.14 | 19.27 |
| | **Sinter Plant (I)** | | | | |
| | **CPCB Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Inside Flux &Coal Crushing House | 14-10-2024 | 1806 | 7.1 | 26.21 |
| | | 11-11-2024 | 1819 | 7.1 | 28.52 |
| | | 10-12-2024 | 1491 | 7.1 | 28.52 |
| | | 13-01-2025 | 1796 | 7.60 | 26.98 |
| | | 06-02-2025 | 1712 | 7.30 | 27.61 |
| | | 17-03-2025 | 1759 | 7.60 | 23.84 |
| 2 | Inside Flux Screening & Coal Crushing House | 15-10-2024 | 1681 | 6.60 | 18.50 |
| | | 11-11-2024 | 1628 | 6.00 | 20.04 |
| | | 10-12-2024 | 1428 | 6.00 | 20.04 |
| | | 13-01-2025 | 1717 | 5.80 | 21.58 |
| | | 06-02-2025 | 1223 | 6.80 | 22.35 |
| | | 17-03-2025 | 1848 | 5.75 | 22.24 |
| 3 | Inside Proportioning House | 14-10-2024 | 1865 | 6.30 | 20.81 |
| | | 12-11-2024 | 1759 | 6.80 | 22.35 |
| | | 11-12-2024 | 1547 | 6.80 | 22.35 |
| | | 14-01-2025 | 1854 | 7.10 | 19.27 |
| | | 07-02-2025 | 1207 | 6.50 | 20.71 |
| | | 17-03-2025 | 1693 | 7.09 | 20.81 |
| 4 | Near Sintering Machine | 14-10-2024 | 1467 | 6.80 | 24.64 |
| | | 12-11-2024 | 1654 | 7.60 | 26.21 |
| | | 11-12-2024 | 1583 | 7.60 | 26.21 |
| | | 14-01-2025 | 1622 | 6.30 | 25.44 |
| | | 07-02-2025 | 1764 | 6.00 | 24.61 |
| | | 17-03-2025 | 1880 | 6.28 | 26.88 |

Preapared By
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Checked By
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# JSW STEEL LIMITED
## Integrated Steel Mill Complex
## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

| Fugitive Emission Status | | | | | |
|---|---|---|---|---|---|
| Sr. No. | Location of the station | Date of Monitoring | Parameters | | |
| | | | PM10 | SO2 | Nox |
| 5 | Inside Product Screen House | 14-10-2024 | 1936 | 5.80 | 20.81 |
| | | 12-11-2024 | 1900 | 7.10 | 25.44 |
| | | 11-12-2024 | 1646 | 7.10 | 25.44 |
| | | 14-01-2025 | 1801 | 6.80 | 24.67 |
| | | 07-02-2025 | 1840 | 7.30 | 26.11 |
| | | 17-03-2025 | 1439 | 6.83 | 25.44 |
| | **Sinter Plant (II)** | | | | |
| | **CPCB Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Near Sinter House (800z Conveyor ) | 11-10-2024 | 1814 | 7.6 | 24.67 |
| | | 12-11-2024 | 1759 | 6.6 | 26.98 |
| | | 12-12-2024 | 1245 | 6.6 | 26.98 |
| | | 15-01-2025 | 1701 | 6.30 | 25.44 |
| | | 08-02-2025 | 1481 | 5.80 | 27.75 |
| | | 18-03-2025 | 1705 | 6.46 | 26.85 |
| 2 | RMHS-Crushing House | 12-10-2025 | 1848 | 8.40 | 18.48 |
| | | 13-11-2024 | 1817 | 8.70 | 20.04 |
| | | 12-12-2024 | 1461 | 8.70 | 20.04 |
| | | 15-01-2025 | 1738 | 8.10 | 22.35 |
| | | 08-02-2025 | 1616 | 7.60 | 23.90 |
| | | 19-03-2025 | 1865 | 8.12 | 20.76 |
| 3 | Flux Screen Building | 11-10-2025 | 1852 | 6.60 | 17.73 |
| | | 13-11-2024 | 1967 | 6.80 | 20.81 |
| | | 12-12-2024 | 1521 | 6.80 | 20.81 |
| | | 15-01-2025 | 1710 | 7.60 | 18.50 |
| | | 08-02-2025 | 1529 | 8.10 | 20.04 |
| | | 18-03-2025 | 1835 | 7.60 | 19.99 |
| 4 | Product Screen Area | 12-10-2025 | 1889 | 6.80 | 27.75 |
| | | 13-11-2024 | 1759 | 7.60 | 26.98 |
| | | 12-12-2024 | 1649 | 7.60 | 26.98 |
| | | 15-01-2025 | 1832 | 8.70 | 25.44 |
| | | 08-02-2025 | 1669 | 7.40 | 26.98 |
| | | 19-03-2025 | 1822 | 8.65 | 24.61 |
| 5 | Mixing & Nodulyzer Area | 12-10-2025 | 1667 | 6.30 | 25.44 |
| | | 13-11-2024 | 1855 | 6.60 | 30.06 |
| | | 13-12-2024 | 1347 | 6.60 | 30.06 |
| | | 16-01-2025 | 1801 | 6.30 | 26.98 |
| | | 10-02-2025 | 1252 | 6.80 | 28.52 |
| | | 18-03-2025 | 1838 | 6.28 | 26.11 |

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# JSW STEEL LIMITED
## Integrated Steel Mill Complex
## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

| Fugitive Emission Status | | | | | |
|---|---|---|---|---|---|
| Sr. No. | Location of the station | Date of Monitoring | Parameters | | |
| | | | PM10 | SO2 | Nox |
| 6 | Near Sinter Machine 5th Floor | 12-10-2025 | 1438 | 5.80 | 26.18 |
| | | 14-11-2024 | 1574 | 7.10 | 23.90 |
| | | 13-12-2024 | 1684 | 7.10 | 23.90 |
| | | 16-01-2025 | 1587 | 7.40 | 25.44 |
| | | 10-02-2025 | 1811 | 7.10 | 27.75 |
| | | 18-03-2025 | 1563 | 7.35 | 23.87 |
| | **Billet Caster** | | | | |
| | **CPCB Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Near Laddle Furnace 5 Areay | 19-10-2024 | 1810 | 7.6 | 19.22 |
| | | 14-11-2025 | 1817 | 8.1 | 20.04 |
| | | 21-12-2025 | 1568 | 6 | 22.35 |
| | | 16-01-2025 | 1678 | 8.40 | 21.58 |
| | | 11-02-2025 | 899 | 7.10 | 21.56 |
| | | 07-03-2025 | 1714 | 8.41 | 20.04 |
| 2 | Near Casting Floor (Control Room ) | 19-10-2024 | 1942 | 6.80 | 21.53 |
| | | 14-11-2025 | 1835 | 6.30 | 22.35 |
| | | 21-12-2025 | 1667 | 6.80 | 23.90 |
| | | 16-01-2025 | 1664 | 5.80 | 18.50 |
| | | 11-02-2025 | 748 | 6.00 | 19.25 |
| | | 07-03-2025 | 1936 | 5.78 | 19.27 |
| 3 | Near Billet Caster Torch Cutter Machine | 19-10-2024 | 1757 | 7.30 | 19.97 |
| | | 14-11-2025 | 1707 | 8.10 | 18.50 |
| | | 21-12-2025 | 1412 | 5.00 | 21.58 |
| | | 17-01-2025 | 1650 | 8.70 | 20.04 |
| | | 11-02-2025 | 470 | 6.80 | 21.56 |
| | | 07-03-2025 | 1183 | 8.67 | 22.35 |
| | **Bar MILL** | | | | |
| | **CPCB Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Near CP2 Furnace Mill Area | 18-10-2024 | 1945.2 | 6.3 | 20.73 |
| | | 15-11-2025 | 1863 | 6.8 | 21.58 |
| | | 20-12-2025 | 1238 | 8.4 | 32.38 |
| | | 17-01-2025 | 1689 | 7.10 | 22.35 |
| | | 10-02-2025 | 732 | 6.60 | 24.61 |
| | | 06-03-2025 | 1149 | 7.08 | 23.87 |
| 2 | Near Bed Cooling (Zero Meter ) Mill Area | 18-10-2024 | 1798 | 8.40 | 19.27 |
| | | 15-11-2025 | 1855 | 9.20 | 20.04 |
| | | 20-12-2025 | 1530 | 11.00 | 40.08 |
| | | 17-01-2025 | 1790 | 8.90 | 18.50 |
| | | 10-02-2025 | 992 | 8.40 | 19.27 |
| | | 06-03-2025 | 1162 | 8.92 | 25.41 |

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# JSW STEEL LIMITED
## Integrated Steel Mill Complex
## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

| Fugitive Emission Status | | | | | |
|---|---|---|---|---|---|
| Sr. No. | Location of the station | Date of Monitoring | Parameters | | |
| | | | PM10 | SO2 | Nox |
| | **Coke oven II** | | | | |
| | **CPCB Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Coal Blending Area | 17-10-2024 | 1888 | 6.8 | 19.27 |
| | | 21-11-2024 | 1866 | 7.1 | 17.73 |
| | | 23-12-2024 | 1571 | 7.1 | 17.73 |
| | | 22-01-2025 | 1807 | 7.60 | 16.96 |
| | | 12-02-2025 | 1987 | 8.1 | 19.27 |
| | | 19-03-2025 | 1600 | 7.6 | 22.30 |
| 2 | Coke Oven Battery Wharf area A | 17-10-2024 | 1861 | 7.1 | 18.50 |
| | | 21-11-2024 | 1779 | 7.6 | 16.96 |
| | | 23-12-2024 | 1649 | 7.6 | 16.96 |
| | | 22-01-2025 | 1798 | 7.40 | 18.50 |
| | | 12-02-2025 | 1567 | 6.8 | 22.35 |
| | | 19-03-2025 | 1629 | 7.3 | 21.56 |
| 3 | Coke Oven Battery Wharf GDS B | 18-10-2024 | 1787 | 8.4 | 20.04 |
| | | 21-11-2024 | 1855 | 8.7 | 18.50 |
| | | 23-12-2024 | 1512 | 8.7 | 18.50 |
| | | 23-01-2025 | 1795 | 8.10 | 19.27 |
| | | 12-02-2025 | 1288 | 8.4 | 20.81 |
| | | 20-03-2025 | 1873 | 8.1 | 23.90 |
| 4 | Coke Screening Area | 17-10-2024 | 1915 | 5.5 | 20.81 |
| | | 21-11-2024 | 1780 | 6.6 | 20.04 |
| | | 23-12-2025 | 1258 | 6.6 | 20.04 |
| | | 23-01-2025 | 1817 | 6.80 | 20.81 |
| | | 12-02-2025 | 1288 | 7.1 | 21.58 |
| | | 20-03-2025 | 1871 | 6.8 | 19.92 |
| 5 | Near Coke Cutter Area | 18-10-2024 | 1905 | 6.8 | 20.04 |
| | | 22-11-2024 | 1816 | 7.1 | 18.50 |
| | | 24-12-2024 | 1575 | 7.1 | 18.50 |
| | | 23-01-2025 | 1794 | 7.40 | 21.58 |
| | | 13-02-2025 | 1663 | 7.6 | 25.44 |
| | | 20-03-2025 | 1844 | 7.3 | 21.53 |
| 6 | Secondary Crusher Building | 17-10-2024 | 1915 | 7.1 | 21.58 |
| | | 22-11-2024 | 1772 | 7.6 | 20.81 |
| | | 24-12-2024 | 1604 | 7.6 | 20.81 |
| | | 23-01-2025 | 1782 | 7.40 | 22.35 |
| | | 13-02-2025 | 1855 | 8.4 | 29.29 |
| | | 20-03.2025 | 1691 | 7.3 | 21.48 |

Preapared By
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Checked By
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# JSW STEEL LIMITED

**Integrated Steel Mill Complex**

**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

## A) STACK EMISSION :

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (TPD and MWh) | Velocity m/sec | Parameters mg/Nm$^3$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| **I** | **Hot Strip Mill Plant** | | | | | **Plant Capacity: 3.0 MTPA** | | | | | | |
| 1 | GCP - I Stack | SMS Furnace | 70.5 | 5.5 | Bag Filters | 01/10/24 12:15 Hrs | 8469 | 17 | 15 | 13 | 14 | 18 |
| | | | | | | 05/11/24 10:15 Hrs | 9078 | 17 | 17 | 14 | 21 | 19 |
| | | | | | | 02/12/24 12:30 Hrs | 9251 | 17 | 19 | 16 | 15 | 24 |
| | | | | | | 07/01/25 10:20Hrs | 7540 | 17 | 21 | 12 | 17 | 21 |
| | | | | | | 20/02/25 10:25Hrs | 9870 | 17 | 21 | 10 | 15 | 18 |
| | | | | | | 03/03/25 10:30 Hrs | 9755 | 16 | 18 | 12 | 18 | 21 |
| 2 | GCP - II Stack | SMS Furnace | 70.5 | 5.5 | Bag Filters | 01/10/24 10:30 Hrs | 8469 | 17 | 17 | 15 | 19 | 22 |
| | | | | | | 05/11/24 11:45 Hrs | 9078 | 17 | 18 | 20 | 27 | 17 |
| | | | | | | 02/12/24 10:45 Hrs | 9251 | 17 | 18 | 17 | 14 | 19 |
| | | | | | | 07/01/25 12:35Hrs | 7540 | 18 | 16 | 10 | 16 | 18 |
| | | | | | | 20/02/25 12:35Hrs | 9870 | 18 | 17 | 13 | 18 | 23 |
| | | | | | | 03/03/25 12:40 Hrs | 9755 | 17 | 21 | 15 | 17 | 26 |
| 3 | GCP - III Stack | SMS Furnace | 66.5 | 3.3 | Bag Filters | 29/10/24 14:10 Hrs | 9213 | 8 | 21 | NA | NA | NA |
| | | | | | | 05/11/24 15:15 Hrs | 9078 | 5 | 16 | NA | NA | NA |
| | | | | | | 02/12/24 16:00 Hrs | 9251 | 5 | 17 | NA | NA | NA |
| | | | | | | 07/01/25 15:40Hrs | 7540 | 5 | 18 | NA | NA | NA |
| | | | | | | 19/02/25 14:45Hrs | 10625 | 4 | 15 | NA | NA | NA |
| | | | | | | 03/03/25 15:20 Hrs | 9755 | 6 | 18 | NA | NA | NA |
| 4 | GCP - IV Stack | SMS Furnace | 70 | 4 | Bag Filters | 29/10/24 16:10 Hrs | 9213 | 12 | 18 | NA | NA | NA |
| | | | | | | 15/11/24 10:25 Hrs | 8455 | 11 | 22 | NA | NA | NA |
| | | | | | | 13/12/24 10:40 Hrs | 9484 | 13 | 19 | NA | NA | NA |
| | | | | | | 08/01/25 16:25Hrs | 9095 | 15 | 20 | NA | NA | NA |
| | | | | | | 19/02/25 16:15Hrs | 10625 | 13 | 23 | NA | NA | NA |

Preapared By
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Manager (Environment)

Checked By
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# JSW STEEL LIMITED

**Integrated Steel Mill Complex**

**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

## A) STACK EMISSION :

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (TPD and MWh) | Velocity m/sec | Parameters mg/Nm$^3$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| | | | | | | 03/03/25 16:30 Hrs | 9755 | 10 | 21 | NA | NA | NA |
| 5 | Tunnel Furnace - I - A Stack | Tunnel Furnace | 50 | 1.5 | Blower | 02/10/24 10:15 Hrs | 9262 | 7 | 10 | 23 | 18 | 16 |
| | | | | | | 06/11/24 10:15 Hrs | 9417 | 7 | 10 | 15 | 17 | 19 |
| | | | | | | 03/12/24 09:45 Hrs | 6713 | 8 | 10 | 19 | 15 | 28 |
| | | | | | | 09/01/25 10:00Hrs | 4693 | 8 | 10 | 14 | 20 | 26 |
| | | | | | | 08/02/25 10:25Hrs | 8947 | 8 | 12 | 11 | 16 | 21 |
| | | | | | | 04/03/25 10:00 Hrs | 10024 | 10 | 10 | 10 | 15 | 20 |
| 6 | Tunnel Furnace - I - B Stack | Tunnel Furnace | 50 | 1.5 | Blower | 02/10/24 12:00 Hrs | 9262 | 7 | 12 | 19 | 14 | 20 |
| | | | | | | 06/11/24 12:00 Hrs | 9417 | 7 | 9 | 19 | 14 | 19 |
| | | | | | | 03/12/24 12:15 Hrs | 6713 | 7 | 8 | 26 | 17 | 19 |
| | | | | | | 09/01/25 12:10Hrs | 4693 | 7 | 12 | 16 | 19 | 23 |
| | | | | | | 08/02/25 12:35Hrs | 8947 | 8 | 14 | 14 | 19 | 25 |
| | | | | | | 04/03/25 12:05 Hrs | 10024 | 9 | 12 | 13 | 17 | 22 |
| 7 | Tunnel Furnace - II - A Stack | Tunnel Furnace | 50 | 1.5 | Blower | 03/10/24 10:30 Hrs | 8918 | 8 | 13 | 13 | 18 | 16 |
| | | | | | | 16/11/24 10:00 Hrs | 10025 | 7 | 14 | 13 | 15 | 16 |
| | | | | | | 04/12/24 12:15 Hrs | 9395 | 7 | 7 | 25 | 19 | 31 |
| | | | | | | 09/01/25 14:20Hrs | 4693 | 8 | 12 | 13 | 16 | 22 |
| | | | | | | 01/02/25 10:05Hrs | 8810 | 7 | 13 | 12 | 15 | 24 |
| | | | | | | 04/03/25 14:28 Hrs | 10024 | 8 | 11 | 14 | 18 | 26 |
| 8 | Tunnel Furnace - II - B Stack | Tunnel Furnace | 50 | 1.5 | Blower | 03/10/24 12:15 Hrs | 8918 | 7 | 4 | 17 | 18 | 27 |
| | | | | | | 16/11/24 12:15 Hrs | 10025 | 6 | 13 | 20 | 16 | 21 |
| | | | | | | 04/12/24 10:15 Hrs | 9395 | 7 | 9 | 16 | 18 | 26 |
| | | | | | | 09/01/25 16:20Hrs | 4693 | 8 | 13 | 15 | 18 | 28 |
| | | | | | | 01/02/25 14:45Hrs | 8810 | 8 | 10 | 13 | 17 | 22 |

*NA-Not Applicable

Preapared By
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Manager (Environment)

Checked By
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# JSW STEEL LIMITED

**Integrated Steel Mill Complex**

**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

## A) STACK EMISSION :

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (TPD and MWh) | Velocity m/sec | Parameters mg/Nm$^3$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| | | | | | | 04/03/25 16:25 Hrs | 10024 | 9 | 10 | 10 | 15 | 20 |
| 9 | 18 TPH Boiler Stack | Boiler | 65 | 1.8 | Blower | Shut Down 31/04/2022 | | | | | | |
| 10 | De-Dusting System Stack | Lime & Coke Handling System | 30 | 1.9 | Bag Filters | Stack dismentled In April - 15/4/2023 | | | | | | |
| | | | | | | | CPCB Norms | | <100 | NA | 50.00 | NA |
| II | **Lime Calcination Plant** | | | | | **Plant Capacity: 0.44 MTPA** | | | | | | |
| 1 | Lime Stone De-dusting system stack for Kiln I & II | Lime Stone Hopper | 41.5 | 0.825 | Bag Filters | Shut Down | | | | | | |
| | | | | | | 10/11/24 10:35 Hrs | 610 | 6 | 13 | NA | NA | NA |
| | | | | | | 31/12/24 10:35Hrs | 640 | 6 | 18 | NA | NA | NA |
| | | | | | | 24/01/25 14:20Hrs | 619 | 5 | 12 | NA | NA | NA |
| | | | | | | 18/02/25 14:00Hrs | 633 | 6 | 16 | NA | NA | NA |
| | | | | | | 21/03/25 14:30 Hrs | 569 | 7 | 15 | NA | NA | NA |
| 2 | Kiln - I Stack | Kiln - I | 48.7 | 0.914 | Bag Filters | 04/10/24 10:00 Hrs | 300 | 14 | 13 | 19 | 14 | 16 |
| | | | | | | 08/11/24 14:15 Hrs | 288 | 15 | 16 | 18 | 16 | 17 |
| | | | | | | 06/12/24 10:00 Hrs | 300 | 16 | 19 | 16 | 14 | 18 |
| | | | | | | 24/01/25 10:20Hrs | 287 | 18 | 21 | 10 | 15 | 19 |
| | | | | | | 18/02/25 10:00Hrs | 297 | 18 | 24 | 13 | 15 | 22 |
| | | | | | | 21/03/25 10:55 Hrs | 234 | 16 | 21 | 12 | 18 | 24 |
| 3 | Kiln - II Stack | Kiln - II | 48.7 | 0.914 | Bag Filters | 04/10/24 12:00 Hrs | 340 | 15 | 13 | 15 | 16 | 18 |
| | | | | | | 06/11/24 14:30 Hrs | 340 | 17 | 14 | 20 | 18 | 18 |
| | | | | | | 06/12/24 14:30 Hrs | 340 | 18 | 17 | 18 | 21 | 19 |

*NA-Not Applicable

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
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General Manager (Environment)

# JSW STEEL LIMITED

**Integrated Steel Mill Complex**

**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

## A) STACK EMISSION :

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollut on Control unit provic ed | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (TPD and MWh) | Velocit y m/sec | Parameters mg/Nm$^3$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| | | | | | | 24/01/25 12:10Hrs | 332 | 15 | 23 | 12 | 15 | 24 |
| | | | | | | 18/02/25 11:30Hrs | 336 | 15 | 26 | 15 | 18 | 28 |
| | | | | | | 21/03/25 11:00 Hrs | 335 | 15 | 24 | 15 | 21 | 27 |
| 4 | Lime De-dusting system Stack for Kiln I & II | Lime Storage Hopper | 25.5 | 0.825 | Bag Fi ters | 04/10/24 14:10 Hrs | 640 | 5 | 22 | NA | NA | NA |
| | | | | | | 11/11/24 10:25 Hrs | 634 | 6 | 18 | NA | NA | NA |
| | | | | | | 12/12/24 12:05 Hrs | 618 | 6 | 16 | NA | NA | NA |
| | | | | | | 24/01/25 16:30Hrs | 619 | 6 | 15 | NA | NA | NA |
| | | | | | | 18/02/25 15:30Hrs | 633 | 5 | 18 | NA | NA | NA |
| | | | | | | 21/03/25 15:30 Hrs | 569 | 8 | 15 | NA | NA | NA |

*NA-Not Applicable

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | Lime Stone De-dusting system stack for Kiln III | Lime Stone Hopper | 35 | 1.4 | Bag Fi ters | Shut Down | | | | | | |
| | | | | | | 10/11/24 12:05 Hrs | 580 | 4 | 14 | NA | NA | NA |
| | | | | | | 12/12/24 16:25 Hrs | 544 | 5 | 19 | NA | NA | NA |
| | | | | | | 28/01/25 10:00Hrs | 569 | 7 | 14 | NA | NA | NA |
| | | | | | | 24/02/25 10:10Hrs | 562 | 6 | 18 | NA | NA | NA |
| | | | | | | 24/03/25 10:05 Hrs | 562 | 7 | 14 | NA | NA | NA |
| 6 | Kiln - III Stack | Kiln - III | 60 | 1.3 | Bag Fi ters | 19/10/24 10:45 Hrs | 580 | 9 | 14 | 22 | 18 | 19 |
| | | | | | | 08/11/24 10:00 Hrs | 568 | 12 | 14 | 15 | 18 | 18 |
| | | | | | | 06/12/24 16:15 Hrs | 580 | 15 | 22 | 14 | 16 | 19 |
| | | | | | | 28/01/25 14:15Hrs | 569 | 18 | 26 | 16 | 19 | 22 |
| | | | | | | 25/02/25 12:10Hrs | 562 | 14 | 19 | 13 | 17 | 25 |
| | | | | | | 24/03/25 16:25 Hrs | 562 | 15 | 26 | 10 | 16 | 22 |
| 7 | Quick Lime & Lime De-dusting system Stack for Kiln III | Lime Storage Hopper | 31 | 0.960 | Bag Fi ters | 04/10/24 16:32 Hrs | 613 | 6 | 21 | NA | NA | NA |
| | | | | | | 11/11/24 12:25 Hrs | 580 | 6 | 15 | NA | NA | NA |

Preapared By
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Checked By
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# JSW STEEL LIMITED

**Integrated Steel Mill Complex**

**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

## A) STACK EMISSION :

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (TPD and MWh) | Velocity m/sec | Parameters mg/Nm$^3$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| | | | | | | 12/12/24 14:20 Hrs | 544 | 7 | 17 | NA | NA | NA |
| | | | | | | 28/01/25 16:25Hrs | 569 | 5 | 16 | NA | NA | NA |
| | | | | | | 24/02/25 11:55Hrs | 562 | 7 | 14 | NA | NA | NA |
| | | | | | | 24/03/25 14:30 Hrs | 562 | 6 | 15 | NA | NA | NA |
| 8 | Kiln - IV Stack | Kiln - IV | 58 | 1.3 | Bag Filters | 08/10/24 16:00 Hrs | 620 | 14 | 13 | 13 | 7 | 18 |
| | | | | | | 08/11/24 12:45 Hrs | 620 | 16 | 18 | 17 | 15 | 20 |
| | | | | | | 09/12/24 12:00 Hrs | 607 | 15 | 16 | 18 | 14 | 21 |
| | | | | | | 20/01/25 16:15Hrs | 599 | 17 | 22 | 13 | 17 | 23 |
| | | | | | | 25/02/25 10:00Hrs | 595 | 15 | 25 | 14 | 19 | 22 |
| | | | | | | 08/03/25 10:35 Hrs | 552 | 16 | 28 | 12 | 17 | 20 |

*NA-Not Applicable

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | Lime Stone De-dusting system stack for Kiln IV | Lime Stone Dedusting System | 35 | 1.4 | Bag Filters | Shut Down | | | | | | |
| | | | | | | 10/11/24 14:15 Hrs | 620 | 5 | 17 | NA | NA | NA |
| | | | | | | 12/12/24 10:15 Hrs | 568 | 5 | 16 | NA | NA | NA |
| | | | | | | 20/01/25 14:35Hrs | 599 | 7 | 14 | NA | NA | NA |
| | | | | | | 24/02/25 14:15Hrs | 606 | 5 | 17 | NA | NA | NA |
| | | | | | | 24/03/25 12:05 Hrs | 606 | 5 | 14 | NA | NA | NA |
| 10 | Lime De-dusting system Stack for Kiln IV | Lime Dedusting System | 31 | 0.960 | Bag Filters | 08/10/24 14:00 Hrs | 620 | 5 | 14 | NA | NA | NA |
| | | | | | | 11/11/24 15:45 Hrs | 619 | 6 | 14 | NA | NA | NA |
| | | | | | | 09/12/24 10:20 Hrs | 607 | 6 | 14 | NA | NA | NA |
| | | | | | | 20/01/25 10:00Hrs | 599 | 6 | 16 | NA | NA | NA |
| | | | | | | 24/02/25 16:22Hrs | 606 | 6 | 15 | NA | NA | NA |
| | | | | | | 08/03/25 12:05 Hrs | 552 | 6 | 17 | NA | NA | NA |
| | | | | | | | CPCB Norms | | <100 | NA | 100 | NA |

Preapared By
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Checked By
Satish Kumar Choudhary
General Manager (Environment)

# JSW STEEL LIMITED

**Integrated Steel Mill Complex**

**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

## A) STACK EMISSION :

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (TPD and MWh) | Velocity m/sec | Parameters mg/Nm$^3$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| **III** | **Sponge Iron Plant** | | | | | **Plant Capacity: 2.0 MTPA** | | | | | | |
| 1 | Flue Gas Ejector Stack | Reformer | 40 | 2.851 | I.D Fan | 13/10/24 16:30 Hrs | 4196.0 | 40 | 9 | 24.0 | 14.7 | 31 |
| | | | | | | 23/11/24 15:15 Hrs | 4189.0 | 40 | 13 | 16.4 | 18.9 | 19.2 |
| | | | | | | 24/12/24 16:45 Hrs | 4023.0 | 39 | 11 | 23.1 | 25.1 | 29 |
| | | | | | | 04/01/25 16:15Hrs | 3504.0 | 42 | 12 | 16.0 | 19.0 | 33 |
| | | | | | | 12/02/25 10:45Hrs | 4089.0 | 38 | 13 | 16.0 | 19.0 | 33 |
| | | | | | | 06/03/25 15:55Hrs | 2709.0 | 40 | 13 | 16.0 | 19.0 | 33 |
| 2 | Furnace Dust Collector Stack | Furnace | 30 | 0.9 | Cyclone & Venturi Scrubber | 22/10/24 11:30 Hrs | 4177.0 | 33 | 26 | NA | NA | NA |
| | | | | | | 23/11/24 12:05 Hrs | 4189.0 | 10 | 26 | NA | NA | NA |
| | | | | | | 24/12/24 09:45 Hrs | 4023.0 | 7 | 29 | NA | NA | NA |
| | | | | | | 04/01/25 14:22Hrs | 3504.0 | 7 | 27 | NA | NA | NA |
| | | | | | | 12/02/25 12:05Hrs | 4089.0 | 8 | 29 | NA | NA | NA |
| | | | | | | 26/03/25 10:15Hrs | 4128.0 | 8 | 33 | NA | NA | NA |
| 3 | Screen Dust Collector Stack C304 | Prodct screen Area | 30 | 0.9 | Venturi Scrubber | 22/10/24 16:30 Hrs | 4177.0 | 7 | 23 | NA | NA | NA |
| | | | | | | 23/11/24 16:15 Hrs | 4189.0 | 8 | 23 | NA | NA | NA |
| | | | | | | 25/12/24 12:15 Hrs | 3989.0 | 8 | 27 | NA | NA | NA |
| | | | | | | 04/01/25 12:25Hrs | 3504.0 | 7 | 28 | NA | NA | NA |
| | | | | | | 28/02/25 10:25Hrs | 4099.0 | 7 | 32 | NA | NA | NA |
| | | | | | | 26/03/25 14:05Hrs | 4128.0 | 6 | 28 | NA | NA | NA |
| 4 | Screen Dust Collector Stack I | Product Screen Area | 30 | 0.9 | Cyclone & Venturi Scrubber | 22/10/24 10:00 Hrs | 4177.0 | 7 | 29 | NA | NA | NA |
| | | | | | | 25/11/24 11:25 Hrs | 4196.0 | 8 | 32 | NA | NA | NA |

*NA-Not Applicable

Preapared By
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Manager (Environment)

Checked By
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General Manager (Environment)

# JSW STEEL LIMITED

## Integrated Steel Mill Complex

### Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| | | | | | Scrubber | 24/12/24 14:00 Hrs | 4023.0 | 7 | 29 | NA | NA | NA |
| | | | | | | 04/01/25 10:15Hrs | 3504.0 | 8 | 31 | NA | NA | NA |
| | | | | | | 28/02/25 11:50 Hrs | 4099.0 | 7 | 33 | NA | NA | NA |
| | | | | | | 14/03/25 12:05 Hrs | 4086.0 | 7 | 34 | NA | NA | NA |
| 5 | Screen Dust Collector Stack II | Product Screen Area | 30 | 0.9 | Cyclone & Venturi Scrubber | 13/10/24 09:50 Hrs | 4196 | 5 | 20 | NA | NA | NA |
| | | | | | | 23/11/24 10:05 Hrs | 4189 | 7 | 22 | NA | NA | NA |
| | | | | | | 25/12/24 09:45 Hrs | 3989 | 7 | 25 | NA | NA | NA |
| | | | | | | 06/01/25 10:20Hrs | 4061 | 6 | 29 | NA | NA | NA |
| | | | | | | 28/02/25 14:28Hrs | 4099 | 6 | 28 | NA | NA | NA |
| | | | | | | 14/03/25 10:00 Hrs | 4086 | 7 | 31 | NA | NA | NA |
| 6 | Product Silo Dust Collector Stack | Product Silo | 30 | 0.9 | Venturi Scrubber | 22/10/24 14:15 Hrs | 4177 | 6 | 16 | NA | NA | NA |
| | | | | | | 25/11/24 15:00 Hrs | 4196 | 6 | 18 | NA | NA | NA |
| | | | | | | 24/12/24 12:30 Hrs | 4023 | 5 | 23 | NA | NA | NA |
| | | | | | | 06/01/25 14:25Hrs | 4061 | 6 | 25 | NA | NA | NA |
| | | | | | | 28/02/25 16:05Hrs | 4099 | 6 | 26 | NA | NA | NA |
| | | | | | | 26/03/25 12:00Hrs | 4128 | 7 | 26 | NA | NA | NA |
| | | | | | | | CPCB Norms | | < 50 | | NA | NA |
| | | | | | | | | | | | | |
| IV | **Blast Furnace Plant** | | | | | | **Plant Capacity: 3.5 MTPA** | | | | | |
| 1 | Cast House Dedusting system | Stock House | 45 | 2.5 | Bag Filters | 25/10/24 10:30 Hrs | 9010.0 | 11 | 17 | NA | NA | NA |
| | | | | | | 19/11/24 10:00 Hrs | 9657.0 | 10 | 21 | NA | NA | NA |
| | | | | | | 16/12/24 12:15 Hrs | 9580.0 | 8 | 18 | NA | NA | NA |
| | | | | | | 22/01/25 10:35Hrs | 9362 | 12 | 16 | NA | NA | NA |

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Checked By
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General Manager (Environment)

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| | | | | | | 18/02/25 10:10Hrs | 9515 | 10 | 17 | NA | NA | NA |
| | | | | | | 13/03/25 10:15Hrs | 3435 | 13 | 21 | NA | NA | NA |
| 2 | Stock House- 1 | Stock House | 45 | 2.5 | Bag Filters | 25/10/24 12:30 Hrs | 9010 | 7 | 31 | NA | NA | NA |
| | | | | | | 19/11/24 12:15 Hrs | 9657 | 8 | 28 | NA | NA | NA |
| | | | | | | 11/12/24 10:15 Hrs | 9551 | 6 | 11 | NA | NA | NA |
| | | | | | | 23/01/25 10:15Hrs | 9562 | 8 | 18 | NA | NA | NA |
| | | | | | | 18/02/25 12:00Hrs | 9515 | 11 | 22 | NA | NA | NA |
| | | | | | | 18/03/25 10:25Hrs | 7802 | 12 | 26 | NA | NA | NA |
| 3 | Stock House- 2 | Stock House | 45 | 2.5 | Heat Exchanger | 25/10/24 16:25 Hrs | 9010.0 | 7 | 29 | NA | NA | NA |
| | | | | | | 19/11/24 14:15 Hrs | 9657.0 | 7 | 26 | NA | NA | NA |
| | | | | | | 11/12/24 12:15 Hrs | 9551.0 | 7 | 14 | NA | NA | NA |
| | | | | | | 23/01/25 12:45Hrs | 9562 | 8 | 23 | NA | NA | NA |
| | | | | | | 18/02/25 14:20Hrs | 9515 | 14 | 26 | NA | NA | NA |
| | | | | | | 18/03/25 12:05Hrs | 7802 | 10 | 28 | NA | NA | NA |
| 4 | Stock House- 3 | Stock House | 45 | 2.5 | Bag Filters | 25/10/24 14:35 Hrs | 9010.0 | 9 | 25 | NA | NA | NA |
| | | | | | | 19/11/24 16:20 Hrs | 9657.0 | 6 | 23 | NA | NA | NA |
| | | | | | | 11/12/24 16:45 Hrs | 9551.0 | 7 | 19 | NA | NA | NA |
| | | | | | | 23/01/25 15:25Hrs | 9562 | 8 | 26 | NA | NA | NA |
| | | | | | | 18/02/25 16:20Hrs | 9515 | 10 | 19 | NA | NA | NA |
| | | | | | | 18/03/25 14:35Hrs | 7802 | 9 | 31 | NA | NA | NA |
| 5 | Stove stack | Stove Unit | 75 | 5 | Heat Exchanger | 19/10/24 12:40 Hrs | 8922.0 | 12 | 15 | 28 | 31 | 37 |
| | | | | | | 23/11/24 16:45 Hrs | 9536.0 | 12 | 9 | 18 | 35 | 41 |

'*NA-Not Applicable

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# JSW STEEL LIMITED

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**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

## A) STACK EMISSION :

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| | | | | | | 27/12/24 16:50 Hrs | 9411.0 | 14 | 12 | 20 | 27 | 38 |
| | | | | | | 22/01/25 16:45Hrs | 9362 | 15 | 14 | 19 | 23 | 42 |
| | | | | | | 26/02/25 16:45Hrs | 9620 | 14 | 16 | 19 | 23 | 42 |
| | | | | | | 13/03/25 15:25Hrs | 3435 | 14 | 14 | 19 | 23 | 39 |
| 6 | 16 TPH Boiler Stack | 16 TPH Boiler | 59.5 | 1.2 | Blower | 19/10/24 16:30 Hrs | 170.0 | 8 | 16 | 24 | 17 | 25 |
| | | | | | | 04/11/24 10:25 Hrs | 77.0 | 8 | 16 | 24 | 19 | 26 |
| | | | | | | 16/12/24 13:45 Hrs | 37.0 | 7 | 14 | 27 | 16 | 19 |
| | | | | | | 14/01/25 12:15Hrs | 235 | 8 | 12 | 13 | 18 | 22 |
| | | | | | | 26/02/25 15:00Hrs | 9620 | 8 | 11 | 13 | 18 | 22 |
| | | | | | | 24/03/25 10:15Hrs | 206 | 9 | 17 | 13 | 18 | 22 |
| 7 | Coal Injection Plant | Coal Injection Unit | 60.5 | 1.7 | Bag Filters | 19/10/24 16:30 Hrs | 170.0 | 8 | 16 | 24 | 17 | 25 |
| | | | | | | 04/11/24 10:25 Hrs | 77.0 | 8 | 16 | 24 | 19 | 26 |
| | | | | | | 16/12/24 13:45 Hrs | 37.0 | 7 | 14 | 27 | 16 | 19 |
| | | | | | | 22/01/25 14:35Hrs | 9362 | 8 | 29 | NA | NA | NA |
| | | | | | | 26/02/25 10:00Hrs | 9620 | 8 | 27 | NA | NA | NA |
| | | | | | | 28/03/25 15:05Hrs | 9729 | 7 | 32 | NA | NA | NA |
| | | | | | | | | | | | | |
| **V** | **Sinter Plant -I** | | | | | | **Plant Capacity: 2.8 MTPA** | | | | | |
| 1 | Fuel Bag Filter Stack | Fuel Raw Material Crushing House | 40 | 1.804 | Bag Filters | 24/10/24 10:30 Hrs | 7096.0 | 7 | 25 | NA | NA | NA |
| | | | | | | 18/11/24 16:05 Hrs | 7382.0 | 6 | 20 | NA | NA | NA |
| | | | | | | 19/12/24 10:10 Hrs | 7428.0 | 6 | 25 | NA | NA | NA |
| | | | | | | 15/01/25 10:20Hrs | 7486 | 7 | 21 | NA | NA | NA |
| | | | | | | 03/02/25 14:30Hrs | 7078 | 11 | 18 | NA | NA | NA |
| | | | | | | 14/03/25 14:20 Hrs | 7404 | 9 | 21 | NA | NA | NA |

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Checked By
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General Manager (Environment)

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| 2 | Flux ESP Stack | Raw Material Crushing & Screening House | 50 | 2.404 | Electrostatic Precipitators | 24/10/24 12:10 Hrs | 7096.0 | 7 | 28 | NA | NA | NA |
| | | | | | | 18/11/24 10:15 Hrs | 7382.0 | 7 | 24 | NA | NA | NA |
| | | | | | | 19/12/24 12:05 Hrs | 7428.0 | 7 | 28 | NA | NA | NA |
| | | | | | | 15/01/25 12:30Hrs | 7486 | 8 | 26 | NA | NA | NA |
| | | | | | | 03/02/25 11:15Hrs | 7078 | 8 | 27 | NA | NA | NA |
| | | | | | | 12/03/25 14:00 Hrs | 6250 | 8 | 29 | NA | NA | NA |
| 3 | Propotioning ESP Stack | Propotioning House | 50 | 2.404 | Electrostatic Precipitators | 24/10/24 14:30 Hrs | 7096 | 8 | 27 | NA | NA | NA |
| | | | | | | 18/11/24 12:05 Hrs | 7382 | 7 | 28 | NA | NA | NA |
| | | | | | | 19/12/24 14:30 Hrs | 7428 | 8 | 31 | NA | NA | NA |
| | | | | | | 14/01/25 12:00Hrs | 7488 | 7 | 29 | NA | NA | NA |
| | | | | | | 21/02/25 10:00Hrs | 7361 | 8 | 25 | NA | NA | NA |
| | | | | | | 14/03/25 16:45 Hrs | 7404 | 8 | 26 | NA | NA | NA |
| 4 | Main Stack | Sintering House | 140 | 4.200 | Electrostatic Precipitators | 05/10/24 12:30 Hrs | 7327 | 9 | 39 | 28 | 24 | 38 |
| | | | | | | 16/11/24 17:00 Hrs | 7281 | 9 | 33 | 24 | 26 | 28 |
| | | | | | | 05/12/24 10:30 Hrs | 7455 | 9 | 43 | 25 | 28 | 38 |
| | | | | | | 14/01/25 13:20Hrs | 7488 | 9 | 44 | 24 | 28 | 41 |
| | | | | | | 03/02/25 11:40Hrs | 7078 | 14 | 39 | 18 | 25 | 33 |
| | | | | | | 12/03/25 10:45 Hrs | 6250 | 13 | 42 | 18 | 25 | 33 |
| 5 | Product Sinter Sizing & Discharge End ESP Stack | Product Sinter Sizing House & Product Discharge End | 60 | 4.508 | Electrostatic Precipitators | 23/10/24 16:10 Hrs | 5481 | 12 | 30 | NA | NA | NA |
| | | | | | | 16/11/24 14:15 Hrs | 7281 | 10 | 27 | NA | NA | NA |
| | | | | | | 05/12/24 14:15 Hrs | 7455 | 10 | 28 | NA | NA | NA |
| | | | | | | 14/01/25 10:00Hrs | 7488 | 9 | 32 | NA | NA | NA |

*NA-Not Applicable

Preapared By
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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| | | | | | | 04/02/25 11:00Hrs | 6807 | 12 | 33 | NA | NA | NA |
| | | | | | | 12/03/25 12:20 Hrs | 6250 | 10 | 31 | NA | NA | NA |
| | *NA-Not Applicable | | | | | | | | | | | |
| VI | **Sinter Plant -II** | | | | | | **Plant Capacity: 2.5 MTPA** | | | | | |
| 1 | Main ESP | Sinter Machine | 85 | 5.5 | Electrostatic | 23/10/24 10:00 Hrs | 4734 | 16 | 29 | 35 | 17 | 25 |
| | | | | | | 15/11/24 16:00 Hrs | 7751 | 19 | 30 | 28 | 41 | 44 |
| | | | | | | 13/12/24 14:30 Hrs | 8265 | 17 | 29 | 28 | 33 | 42 |
| | | | | | | 16/01/25 15:30Hrs | 8402 | 17 | 26 | 28 | 33 | 42 |
| | | | | | | 05/02/25 10:30Hrs | 8171 | 18 | 31 | 19 | 26 | 35 |
| | | | | | | 13/03/25 12:15Hrs | 8446 | 18 | 38 | 19 | 26 | 35 |
| 2 | Bag Filter- 1 ( Flux/Fuel Crush Or Building | Crusher Building | 35 | 4.7 | Bag Filters | 28/10/24 10:20 Hrs | 8189 | 7 | 16 | NA | NA | NA |
| | | | | | | 13/11/24 10:15 Hrs | 7917 | 7 | 14 | NA | NA | NA |
| | | | | | | 18/12/24 10:20 Hrs | 8232 | 7 | 13 | NA | NA | NA |
| | | | | | | 16/01/25 12:35Hrs | 8402 | 7 | 14 | NA | NA | NA |
| | | | | | | 05/02/25 12:00Hrs | 8171 | 7 | 16 | NA | NA | NA |
| | | | | | | 15/03/25 15:05Hrs | 8559 | 7 | 14 | NA | NA | NA |
| 3 | Bag Filter- 2 ( Flux/Fuel Screen Building) | Screen Building | 35 | 1.4 | Bag Filters | 26/10/24 10:35 Hrs | 8167 | 6 | 19 | NA | NA | NA |
| | | | | | | 14/11/24 10:25 Hrs | 7487 | 7 | 17 | NA | NA | NA |
| | | | | | | 18/12/24 12:00 Hrs | 8232 | 6 | 19 | NA | NA | NA |
| | | | | | | 16/01/25 16:30Hrs | 8402 | 6 | 17 | NA | NA | NA |
| | | | | | | 13/02/25 10:05Hrs | 8446 | 9 | 14 | NA | NA | NA |

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# JSW STEEL LIMITED

## Integrated Steel Mill Complex

**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

## A) STACK EMISSION :

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (TPD and MWh) | Velocity m/sec | Parameters mg/Nm$^3$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| | | | | | | 15/03/25 15:50Hrs | 8559 | 9 | 17 | NA | NA | NA |

*NA-Not Applicable

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | Bag Filter- 3( Near Sinter Product Screen Building) | Sinter Product Screen Building | 29 | 1.0 | Bag Filters | 26/10/24 12:15 Hrs | 8167 | 6 | 16 | NA | NA | NA |
| | | | | | | 14/11/24 12:05 Hrs | 7487 | 6 | 19 | NA | NA | NA |
| | | | | | | 20/12/24 10:20 Hrs | 8391 | 6 | 22 | NA | NA | NA |
| | | | | | | 17/01/25 10:00Hrs | 8383 | 6 | 20 | NA | NA | NA |
| | | | | | | 13/02/25 12:05Hrs | 8446 | 10 | 17 | NA | NA | NA |
| | | | | | | 17/03/25 14:15Hrs | 8078 | 10 | 13 | NA | NA | NA |
| 5 | Bag Filter- 4 ( Near Sinter Product Crusher & HLQRF) | Sinter Product Crusher & HLQRF | 22 | 0.9 | Bag Filters | 26/10/24 15:25 Hrs | 8167 | 6 | 17 | NA | NA | NA |
| | | | | | | 14/11/24 15:15 Hrs | 7487 | 7 | 22 | NA | NA | NA |
| | | | | | | 20/12/24 12:25 Hrs | 8391 | 5 | 24 | NA | NA | NA |
| | | | | | | 17/01/25 12:10Hrs | 8383 | 5 | 22 | NA | NA | NA |
| | | | | | | 13/02/25 14:30Hrs | 8446 | 11 | 19 | NA | NA | NA |
| | | | | | | 22/03/25 10:25Hrs | 8350 | 11 | 18 | NA | NA | NA |
| 6 | Bag Filter- 5 ( Near Banker House & JHO8) | Banker House & JHO8 | 32 | 0.9 | Bag Filters | 26/10/24 10:35 Hrs | 8167 | 6 | 22 | NA | NA | NA |
| | | | | | | 14/11/24 16:35 Hrs | 7487 | 7 | 29 | NA | NA | NA |
| | | | | | | 20/12/24 15:25 Hrs | 8391 | 6 | 28 | NA | NA | NA |
| | | | | | | 17/01/25 15:00Hrs | 8383 | 6 | 25 | NA | NA | NA |
| | | | | | | 14/02/25 10:20Hrs | 8290 | 10 | 16 | NA | NA | NA |
| | | | | | | 17/03/25 15:15Hrs | 8078 | 10 | 15 | NA | NA | NA |

*NA-Not Applicable

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# JSW STEEL LIMITED

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## A) STACK EMISSION :

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (TPD and MWh) | Velocity m/sec | Parameters mg/Nm$^3$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| 7 | Bag Filter- 6( Banker House) | Banker House | 33.5 | 1.0 | Bag Filters | 28/10/24 12:05 Hrs | 8189 | 4 | 14 | NA | NA | NA |
| | | | | | | 13/11/24 12:15 Hrs | 7917 | 6 | 17 | NA | NA | NA |
| | | | | | | 18/12/24 14:10 Hrs | 8232 | 4 | 11 | NA | NA | NA |
| | | | | | | 17/01/25 16:20Hrs | 8383 | 5 | 11 | NA | NA | NA |
| | | | | | | 14/02/25 14:20Hrs | 8290 | 5 | 15 | NA | NA | NA |
| | | | | | | 22/03/25 12:35Hrs | 8350 | 5 | 18 | NA | NA | NA |
| 8 | Bag Filter- 7 ( Fuel Storage Crusher Building) | Fuel Storage Crusher Building | 33.5 | 0.8 | Bag Filters | 28/10/24 14 :20 Hrs | 8189 | 5 | 13 | NA | NA | NA |
| | | | | | | 13/11/24 15:20 Hrs | 7917 | 6 | 18 | NA | NA | NA |
| | | | | | | 18/12/24 16:35 Hrs | 8232 | 6 | 21 | NA | NA | NA |
| | | | | | | 15/01/25 16:45Hrs | 8560 | 6 | 15 | NA | NA | NA |
| | | | | | | 14/02/25 12:19Hrs | 8290 | 9 | 13 | NA | NA | NA |
| | | | | | | 22/03/25 16:05Hrs | 8350 | 9 | 16 | NA | NA | NA |
| **VII** | **Captive Power Plant (55 MW)** | | | | | | | | | | | |
| 1 | Boiler Stack | Boiler | 40 | 5.0 | Blower | 23/10/24 11:55 Hrs | 54 | 8 | 3 | 17 | 35 | 41 |
| | | | | | | 23/11/24 14:15 Hrs | 54 | 9 | 3 | 28 | 15 | 32 |
| | | | | | | 27/12/24 10:00 Hrs | 53 | 8 | 6 | 24 | 18 | 42 |
| | | | | | | 13/01/25 16:35Hrs | 54 | 10 | 8 | 16 | 21 | 33 |
| | | | | | | 26/02/25 15:15Hrs | 54 | 13 | 10 | 16 | 21 | 33 |
| | | | | | | 27/03/25 12:15 Hrs | 1322 | 10 | 9 | 15 | 18 | 25 |
| | *NA-Not Applicable | | | | | | CPCB Norms | | <150 | NA | NA | NA |

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## A) STACK EMISSION :

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (TPD and MWh) | Velocity m/sec | Parameters mg/Nm$^3$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| VIII | **Billet Caster & Bar Mill ( 1.5 & 1.4 MTPA)** | | | | | | | | | | | |
| 1 | Billet Caster Stack | Laddle Heating Furnace | 80 | 2.0 | Fume extraction system | 29/10/24 12:35 Hrs | 2745 | 8 | 16 | 13 | 18 | 20 |
| | | | | | | 22/11/24 16:45 Hrs | 2797 | 8 | 18 | 14 | 16 | 19 |
| | | | | | | 27/12/24 12:15 Hrs | 2783 | 7 | 12 | 12 | 16 | 18 |
| | | | | | | 13/01/25 12:25Hrs | 2244 | 7 | 16 | 14 | 17 | 21 |
| | | | | | | 19/02/25 12:35Hrs | 2384 | 7 | 16 | 14 | 17 | 21 |
| | | | | | | 06/03/25 14:05Hrs | 3573 | 7 | 16 | 14 | 17 | 21 |
| 2 | Bar Mill Stack | Reheating Furnace | 80 | 3.0 | Bag Filter | 29/10/24 10:20 Hrs | 1962 | 16 | 9 | 17 | 28 | 38 |
| | | | | | | 22/11/24 14:25 Hrs | 1812 | 14 | 11 | 15 | 25 | 42 |
| | | | | | | 27/12/24 15:30 Hrs | 2950 | 16 | 9 | 12 | 19 | 31 |
| | | | | | | 13/01/25 10:20Hrs | 3590 | 17 | 10 | 14 | 19 | 35 |
| | | | | | | 19/02/25 10:05Hrs | 3645 | 15 | 12 | 14 | 19 | 35 |
| | | | | | | 06/03/25 12:15Hrs | 3502 | 15 | 12 | 14 | 19 | 35 |
| | | | | | | | CPCB Norms | | <50 | NA | NA | NA |
| IX | **Coke oven Plant -II** | | | | | | **Plant Capacity: 2.5 MTPA** | | | | | |
| 1 | Coke Oven Battery Main Stack 1 | Coke Oven Battery | 150 | 11.0 | Electrostatic Precipitators | 07/10/24 16:45 Hrs | 6714 | 10 | 43 | 122 | 136 | 148 |
| | | | | | | 20/11/24 16:25 Hrs | 7572 | 11.5 | 45 | 131 | 142 | 166 |
| | | | | | | 07/12/24 16:25 Hrs | 5933 | 10.8 | 43 | 128 | 136 | 152 |
| | | | | | | 17/01/25 12:10Hrs | 7521 | 12.3 | 39 | 108 | 128 | 141 |
| | | | | | | 20/02/25 14:25Hrs | 7272 | 10.5 | 42 | 108 | 128 | 141 |
| | | | | | | 05/03/25 16:00Hrs | 7353 | 10.5 | 45 | 108 | 128 | 141 |
| 2 | Coke Oven Battery Pushing Side | Coke Oven Battery Pushing Side | 30 | 2.8 | Bag Filters | 07/10/24 11:30 Hrs | 6714 | 7.2 | 16 | NA | NA | NA |
| | | | | | | 20/11/24 10:35 Hrs | 7572 | 7.8 | 11 | NA | NA | NA |
| | | | | | | 07/12/24 10:25 Hrs | 5933 | 7.8 | 14 | NA | NA | NA |
| | | | | | | 17/01/25 16:30Hrs | 7521 | 5 | 10 | NA | NA | NA |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| | | | | | | 10/02/25 10:00Hrs | 6107 | 5.19 | 9 | NA | NA | NA |
| | | | | | | 05/03/25 12:05Hrs | 7353 | 5.19 | 9 | NA | NA | NA |
| 3 | Coke Oven Battery Charging Side | Coke Oven Battery Charging Side | 29.5 | 1.5 | Bag Filters | 07/10/24 10:45 Hrs | 6714 | 6.8 | 14 | NA | NA | NA |
| | | | | | | 20/11/24 12:05 Hrs | 7572 | 7 | 12 | NA | NA | NA |
| | | | | | | 07/12/24 11:45 Hrs | 5933 | 6.8 | 16 | NA | NA | NA |
| | | | | | | 17/01/25 15:10Hrs | 7521 | 2.3 | 13 | NA | NA | NA |
| | | | | | | 10/02/25 12:10Hrs | 6107 | 2.1 | 10 | NA | NA | NA |
| | | | | | | 05/03/25 12:40Hrs | 7353 | 2.1 | 10 | NA | NA | NA |
| 4 | Coal Crushing | Coal Crushing de dusting | 19.5 | 1.5 | Bag Filters | 11/10/24 12:05 Hrs | 7461.0 | 5.9 | 16 | NA | NA | NA |
| | | | | | | 21/11/24 10:15 Hrs | 7482.0 | 4.2 | 17 | NA | NA | NA |
| | | | | | | 26/12/24 10:15 Hrs | 7373.0 | 5.5 | 16 | NA | NA | NA |
| | | | | | | 21/01/25 12:00Hrs | 6995.0 | 5.1 | 16 | NA | NA | NA |
| | | | | | | 17/02/25 14:20Hrs | 7432.0 | 6.6 | 14 | NA | NA | NA |
| | | | | | | 27/03/25 14:25 Hrs | 7481.0 | 6.6 | 15 | NA | NA | NA |
| 5 | Coke Cutting | Coke Cutting de dusting | 25 | 1.8 | Bag Filters | 11/10/24 10:00 Hrs | 7461.0 | 6.8 | 18 | NA | NA | NA |
| | | | | | | 21/11/24 12:25 Hrs | 7482.0 | 5.9 | 20 | NA | NA | NA |
| | | | | | | 26/12/24 12:25 Hrs | 7373.0 | 6.6 | 18 | NA | NA | NA |
| | | | | | | 21/01/25 15:00Hrs | 6995.0 | 4.1 | 16 | NA | NA | NA |
| | | | | | | 17/02/25 12:00Hrs | 7432.0 | 5.5 | 16 | NA | NA | NA |
| | | | | | | 27/03/25 16:05 Hrs | 7481.0 | 5.5 | 13 | NA | NA | NA |
| 6 | Coke Bunker | Coke Bunker | 30 | 2.5 | Bag Filters | 11/10/24 14:35 Hrs | 7461.0 | 7.0 | 16 | NA | NA | NA |
| | | | | | | 21/11/24 15:45 Hrs | 7482.0 | 6.8 | 23 | NA | NA | NA |
| | | | | | | 26/12/24 15:05 Hrs | 7373.0 | 69.0 | 23 | NA | NA | NA |
| | | | | | | 21/01/25 10:00Hrs | 6995.0 | 5.6 | 20 | NA | NA | NA |
| | | | | | | 17/02/25 10:00Hrs | 7432.0 | 6.8 | 18 | NA | NA | NA |
| | | | | | | 05/03/25 14:00Hrs | 7353.0 | 6.8 | 17 | NA | NA | NA |
| | | Boiler | | | | 17/10/24 12:10 Hrs | 270.0 | 7 | 14 | 12 | 18 | 28 |
| | | | | | | 04/11/24 14:15 Hrs | 280.0 | 8 | 12 | 15 | 16 | 25 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| 7 | Boiler | | 30 | 1.0 | Blower | 14/12/24 11:15 Hrs | 252.0 | 8 | 16 | 15 | 16 | 25 |
| | | | | | | 27/01/25 12:25Hrs | 222.0 | 8 | 14 | 14 | 16 | 23 |
| | | | | | | 21/02/25 14:20Hrs | 280.0 | 12 | 15 | 14 | 16 | 23 |
| | | | | | | 07/03/25 14:30Hrs | 305.0 | 12 | 17 | 14 | 16 | 23 |

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## B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

### a). AMBIENT AIR QUALITY(AAQ):

| Location | Near Kasumata Temple | | | | | Near Coke Oven Plant | | | | | Near Goa Gate | | | | | Near MSEB Substation | | | | | Near Dolvi Village | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO |
| 01-10-2024 | NA | NA | NA | NA | NA | 37 | 92 | 10.1 | 13.1 | 0.8 | 33 | 50 | 7.8 | 11.1 | 0.8 | 45 | 90 | 11.8 | 8.8 | 1.2 | 40 | 70 | 7.48 | 24 | 0.62 |
| 02-10-2024 | NA | NA | NA | NA | NA | 28 | 86 | 10.4 | 16.7 | 0.7 | 43 | 63 | 8.4 | 7.8 | 0.9 | 30 | 65 | 10.9 | 7.9 | 1.8 | 51 | 87 | 9.36 | 21 | 0.62 |
| 03-10-2024 | NA | NA | NA | NA | NA | 23 | 79 | 10.3 | 18.2 | 0.5 | 36 | 64 | 8.3 | 11.3 | 0.8 | 30 | 63 | 10.3 | 7.9 | 1.6 | 36 | 62 | 7.33 | 18 | 0.53 |
| 04-10-2024 | NA | NA | NA | NA | NA | 29 | 89 | 9.5 | 16.6 | 0.6 | 24 | 52 | 8.3 | 11.7 | 0.8 | 25 | 51 | 8.7 | 8.2 | 0.8 | 38 | 67 | 7.58 | 25 | 0.43 |
| 05-10-2024 | NA | NA | NA | NA | NA | 24 | 90 | 9.5 | 15.8 | 0.6 | 19 | 45 | 7.9 | 11.3 | 0.7 | 28 | 69 | 8.7 | 8.1 | 0.4 | 40 | 66 | 7.4 | 28 | 0.5 |
| 06-10-2024 | NA | NA | NA | NA | NA | 30 | 91 | 9.3 | 14.8 | 0.7 | 24 | 44 | 7.8 | 12.9 | 0.7 | 54 | 92 | 9.1 | 8.4 | 0.4 | 44 | 78 | 8.32 | 30 | 0.62 |
| 07-10-2024 | NA | NA | NA | NA | NA | 37 | 93 | 9.4 | 14.1 | 1.1 | 46 | 77 | 7.8 | 11.2 | 0.9 | 43 | 78 | 9.6 | 9.2 | 0.2 | 48 | 89 | 9.06 | 29 | 0.77 |
| 08-10-2024 | NA | NA | NA | NA | NA | 40 | 78 | 9.2 | 15.9 | 0.8 | 49 | 81 | 8.4 | 11.2 | 1.0 | 33 | 90 | 9.5 | 8.4 | 0.2 | 57 | 90 | 8.27 | 28 | 0.76 |
| 09-10-2024 | NA | NA | NA | NA | NA | 25 | 68 | 9.7 | 17.0 | 0.9 | 33 | 44 | 9.1 | 10.4 | 0.8 | 52 | 56 | 9.6 | 9.2 | 0.4 | 35 | 61 | 7.86 | 22 | 0.72 |
| 10-10-2024 | NA | NA | NA | NA | NA | 23 | 75 | 9.5 | 14.4 | 0.9 | 32 | 54 | 8.9 | 12.4 | 1.0 | 21 | 45 | 9.3 | 9.3 | 0.2 | 21 | 64 | 7.97 | 24 | 0.66 |
| 11-10-2024 | NA | NA | NA | NA | NA | 24 | 78 | 9.0 | 12.7 | 0.8 | 22 | 41 | 9.4 | 10.5 | 0.9 | 30 | 44 | 9.4 | 9.2 | 0.1 | 9 | 31 | 6.92 | 25 | 0.57 |
| 12-10-2024 | NA | NA | NA | NA | NA | 42 | 90 | 7.2 | 14.2 | 0.7 | 14 | 28 | 11.0 | 9.0 | 0.7 | 37 | 39 | 9.6 | 8.4 | 0.2 | 16 | 34 | 7.24 | 22 | 0.58 |
| 13-10-2024 | NA | NA | NA | NA | NA | 32 | 88 | 7.3 | 11.5 | 0.6 | 16 | 31 | 12.5 | 8.9 | 0.7 | 27 | 58 | 9.1 | 7.7 | 0.3 | 21 | 41 | 6.95 | 22 | 0.64 |
| 14-10-2024 | NA | NA | NA | NA | NA | 25 | 89 | 7.3 | 14.7 | 0.7 | 19 | 34 | 13.1 | 10.9 | 0.7 | 33 | 46 | 8.8 | 8.4 | 0.3 | 13 | 27 | 6.84 | 23 | 0.57 |
| 15-10-2024 | 16 | 35 | NA | 18.9 | 1.4 | 16 | 91 | 7.3 | 16.0 | 0.8 | 19 | 33 | 17.2 | 11.9 | 0.8 | 27 | 47 | 9.5 | 8.4 | 0.4 | 10 | 38 | 8.52 | 24 | 0.62 |
| 16-10-2024 | 52 | 90 | NA | 19.0 | 1.4 | 56 | 80 | 7.6 | 16.1 | 1.0 | 27 | 47 | 13.0 | 11.6 | 0.8 | 35 | 50 | 10.1 | 8.7 | 0.6 | 22 | 52 | 7.12 | 26 | 0.73 |
| 17-10-2024 | 53 | 91 | NA | 19.0 | 1.4 | 44 | 76 | 8.0 | 12.8 | 0.9 | 38 | 67 | 13.2 | 10.5 | 0.8 | 43 | 68 | 10.3 | 8.2 | 0.6 | 35 | 72 | 7.2 | 26 | 0.71 |
| 18-10-2024 | 47 | 92 | NA | 18.7 | 1.6 | 32 | 90 | 7.7 | 14.1 | 0.8 | 35 | 59 | 12.7 | 15.2 | 1.2 | 31 | 48 | 9.9 | 8.3 | 0.3 | 47 | 92 | 7.11 | 26 | 0.67 |
| 19-10-2024 | 26 | 56 | NA | 18.6 | 1.7 | 29 | 91 | 7.5 | 14.1 | 0.5 | 14 | 24 | 12.7 | 12.9 | 1.0 | 43 | 55 | 9.3 | 7.8 | 0.1 | 10 | 30 | 7.11 | 24 | 0.47 |
| 20-10-2024 | 36 | 81 | NA | 18.5 | 1.5 | 36 | 87 | 7.5 | 17.1 | 1.0 | 17 | 20 | 12.6 | 9.8 | 0.7 | 54 | 81 | 9.3 | 8.1 | 0.3 | 4 | 29 | 7.04 | 21 | 0.6 |
| 21-10-2024 | 36 | 75 | NA | 18.4 | 1.5 | 27 | 93 | 7.2 | 17.1 | 0.7 | 18 | 24 | 11.4 | 7.7 | 0.6 | 24 | 59 | 9.3 | 8.3 | 0.4 | 17 | 48 | 7.22 | 23 | 0.62 |
| 22-10-2024 | 46 | 92 | NA | 18.3 | 1.5 | 40 | 91 | 6.9 | 15.5 | 0.7 | 29 | 36 | 10.7 | 6.8 | 0.6 | 43 | 65 | 9.2 | 8.4 | 0.4 | 30 | 77 | 7.1 | 29 | 0.6 |
| 23-10-2024 | 47 | 91 | NA | 18.2 | 1.5 | 45 | 91 | 8.3 | 15.0 | 0.8 | 32 | 33 | 11.2 | 6.1 | 0.9 | 43 | 87 | 9.1 | 9.0 | 0.6 | 29 | 55 | 6.98 | 23 | 0.61 |
| 24-10-2024 | 44 | 75 | NA | 18.1 | 1.5 | 46 | 92 | 12.1 | 14.1 | 0.9 | 58 | 63 | 11.2 | 11.7 | 0.7 | 47 | 91 | 9.3 | 8.7 | 0.6 | 52 | 91 | 7.14 | 32 | 0.75 |
| 25-10-2024 | 41 | 90 | NA | 18.0 | 1.8 | 45 | 92 | 13.9 | 26.8 | 0.9 | 54 | 72 | 11.1 | 9.1 | 0.9 | 41 | 82 | 9.4 | 8.2 | 0.6 | 49 | 88 | 7.2 | 35 | 0.73 |
| 26-10-2024 | 50 | 93 | NA | 17.9 | 1.6 | 58 | 91 | 14.3 | 29.4 | 0.9 | 52 | 66 | 10.8 | 7.0 | 0.9 | 40 | 91 | 9.5 | 8.3 | 0.6 | 42 | 86 | 7.12 | 33 | 0.8 |
| 27-10-2024 | 52 | 82 | NA | 17.8 | 1.7 | 54 | 93 | 14.9 | 29.1 | 1.0 | 55 | 71 | 11.0 | 8.2 | 0.9 | 51 | 89 | 9.5 | 8.0 | 0.5 | 47 | 92 | 7.04 | 34 | 0.86 |
| 28-10-2024 | 59 | 91 | NA | 17.7 | 1.8 | 50 | 80 | 14.5 | 21.3 | 0.9 | 60 | 74 | 10.8 | 7.8 | 0.9 | 35 | 90 | 9.8 | 8.3 | 0.1 | 53 | 90 | 7.15 | 32 | 0.81 |
| 29-10-2024 | 36 | 92 | NA | 17.6 | 1.3 | 59 | 90 | 14.1 | 14.1 | 0.8 | 50 | 63 | 10.5 | 9.6 | 0.8 | 49 | 91 | 9.6 | 8.1 | 0.3 | 52 | 89 | 7.2 | 34 | 0.73 |
| 30-10-2024 | 43 | 72 | NA | 17.5 | 1.4 | 50 | 92 | 15.4 | 11.6 | 0.9 | 43 | 57 | 10.8 | 10.3 | 0.7 | 45 | 87 | 9.8 | 8.5 | 0.6 | 53 | 77 | 7.14 | 34 | 0.69 |
| 31-10-2024 | 49 | 76 | NA | 17.4 | 1.6 | 59 | 90 | 15.7 | 13.4 | 1.0 | 53 | 72 | 12 | 8 | 1 | 42 | 78 | 10.1 | 8.0 | 0.8 | 55 | 93 | 7.12 | 33 | 0.77 |
| Max (µg/m3) | 59 | 93 | NA | 19 | 2 | 59 | 93 | 16 | 29 | 1 | 60 | 81 | 17 | 15 | 1 | 54 | 92 | 12 | 9 | 2 | 57 | 93 | 9 | 35 | 1 |
| Min (µg/m3) | 16 | 35 | NA | 17 | 1 | 16 | 68 | 7 | 11 | 1 | 14 | 20 | 8 | 6 | 1 | 21 | 39 | 9 | 8 | 0 | 4 | 27 | 7 | 18 | 0 |
| Average (µg/m3 | 43 | 81 | NA | 18 | 2 | 37 | 87 | 10 | 16 | 1 | 34 | 51 | 11 | 10 | 1 | 39 | 69 | 10 | 8 | 1 | 35 | 67 | 7 | 27 | 1 |
| Standards | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 |

Showing NA due to the Aqms station is kept in observation.

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

## B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

### a). AMBIENT AIR QUALITY(AAQ):

| Location | Near Kasumata Temple | | | | | Near Coke Oven Plant | | | | | Near Goa Gate | | | | | Near MSEB Substation | | | | | Near Dolvi Village | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO |
| 01-11-2024 | 53 | 85 | NA | 17.3 | 1.6 | 48 | 90 | 16.42 | 14.88 | 0.86 | 43 | 59 | 11.53 | 7.42 | 1.02 | 36 | 88 | 10.02 | 8.07 | 0.86 | 48 | 74 | 6.97 | 29.58 | 0.74 |
| 02-11-2024 | 51 | 87 | NA | 17.2 | 1.9 | 54 | 79 | 17.15 | 17.94 | 1.1 | 46 | 65 | 11.44 | 6.08 | 0.81 | 41 | 85 | 9.63 | 7.69 | 0.87 | 51 | 72 | 6.88 | 24.54 | 0.69 |
| 03-11-2024 | 53 | 94 | NA | 17.1 | 2.0 | 50 | 85 | 13.56 | 18.59 | 1.12 | 52 | 80 | 12.06 | 7.22 | 0.83 | 45 | 89 | 9.63 | 7.81 | 0.95 | 59 | 80 | 7.15 | 30.07 | 0.76 |
| 04-11-2024 | 57 | 91 | NA | 17.1 | 1.9 | 60 | 89 | 13.88 | 16.58 | 1.09 | 48 | 71 | 11.99 | 7.36 | 0.81 | 39 | 85 | 9.66 | 7.96 | 0.94 | 55 | 83 | 6.93 | 34.11 | 0.74 |
| 05-11-2024 | 58 | 93 | NA | 17.0 | 1.7 | 55 | 90 | 5.61 | 17.58 | 0.99 | 49 | 78 | 12.21 | 8.31 | 0.84 | 48 | 95 | 9.78 | 8.5 | 1.0 | 55 | 82 | 7.02 | 35.57 | 0.75 |
| 06-11-2024 | 54 | 90 | NA | 17.0 | 1.8 | 58 | 87 | 9.96 | 14.58 | 1 | 47 | 78 | 12.52 | 6.99 | 0.89 | 56 | 95 | 9.86 | 8.39 | 1.21 | 48 | 90 | 7.04 | 35.85 | 0.83 |
| 07-11-2024 | 46 | 58 | NA | 16.8 | 1.7 | 49 | 60 | 14.78 | 16.32 | 0.95 | 53 | 80 | 14.02 | 11.67 | 0.95 | 55 | 94 | 9.9 | 8.24 | 1.44 | 44 | 87 | 6.91 | 37.67 | 0.87 |
| 08-11-2024 | 52 | 74 | NA | 16.8 | 1.8 | 55 | 85 | 19.43 | 17.59 | 1.07 | 59 | 83 | 16.07 | 9.27 | 1.06 | 41 | 83 | 9.72 | 8.48 | 1.36 | 58 | 82 | 6.86 | 34.76 | 0.92 |
| 09-11-2024 | 54 | 79 | NA | 16.7 | 1.8 | 53 | 73 | 16.86 | 16.53 | 1.18 | 54 | 74 | 14.55 | 9.88 | 1 | 40 | 83 | 9.72 | 9.05 | 1.35 | 59 | 79 | 6.84 | 36.79 | 0.86 |
| 10-11-2024 | 50 | 82 | NA | 16.6 | 1.7 | 56 | 58 | 3.12 | 3.7 | 1.01 | 55 | 76 | 14.25 | 11.35 | 0.95 | 45 | 84 | 9.67 | 8.44 | 1.33 | 59 | 89 | 6.91 | 36.94 | 0.84 |
| 11-11-2024 | 54 | 87 | NA | 16.6 | 1.8 | 52 | 73 | 1.64 | 3.06 | 0.87 | 58 | 81 | 15.45 | 9.42 | 0.97 | 43 | 79 | 9.75 | 8.61 | 1.41 | 55 | 81 | 6.93 | 35.2 | 0.85 |
| 12-11-2024 | 51 | 63 | NA | 16.5 | 1.7 | 59 | 79 | 3.69 | 8.75 | 1.03 | 56 | 79 | 15.61 | 10.2 | 0.97 | 44 | 90 | 9.85 | 8.68 | 1.45 | 57 | 86 | 6.86 | 36.92 | 0.86 |
| 13-11-2024 | 53 | 87 | NA | 16.4 | 1.7 | 56 | 85 | 5.6 | 9.39 | 0.92 | 59 | 86 | 15.51 | 12.27 | 0.98 | 47 | 92 | 9.74 | 9.35 | 1.47 | 60 | 90 | 6.69 | 31.06 | 0.87 |
| 14-11-2024 | 43 | 92 | NA | 16.4 | 1.7 | 51 | 73 | 7.07 | 14.69 | 0.67 | 53 | 80 | 17.6 | 12.88 | 0.97 | 49 | 93 | 9.74 | 8.78 | 1.52 | 53 | 83 | 7.19 | 42.23 | 0.86 |
| 15-11-2024 | 54 | 76 | NA | 16.2 | 1.8 | 37 | 85 | 9.72 | 12.86 | 0.9 | 51 | 70 | 15.48 | 11.34 | 1 | 44 | 92 | 11.09 | 8.67 | 1.64 | 48 | 83 | 6.6 | 37.71 | 0.84 |
| 16-11-2024 | 58 | 73 | NA | 16.2 | 1.5 | 30 | 91 | 11.35 | 9.65 | 1.13 | 49 | 81 | 16.46 | 10.12 | 1.05 | 48 | 86 | 12.05 | 8.96 | 1.83 | 46 | 93 | 6.39 | 34.32 | 0.89 |
| 17-11-2024 | 45 | 73 | NA | 16.2 | 1.6 | 59 | 84 | 11.09 | 14.58 | 1.15 | 45 | 84 | 14.79 | 8.03 | 1.07 | 56 | 91 | 12.08 | 8.35 | 1.79 | 55 | 89 | 6.92 | 39.2 | 0.9 |
| 18-11-2024 | 50 | 79 | NA | 16.3 | 1.5 | 51 | 85 | 11.39 | 16.87 | 1.09 | 52 | 82 | 14.63 | 9.15 | 0.94 | 53 | 90 | 11.5 | 10.32 | 1.69 | 44 | 90 | 7.49 | 36.61 | 0.8 |
| 19-11-2024 | 54 | 82 | NA | 16.5 | 1.7 | 54 | 78 | 11.4 | 13.57 | 1.02 | 58 | 78 | 21.06 | 8.71 | 0.95 | 50 | 93 | 10.23 | 10.18 | 1.88 | 47 | 90 | 6.71 | 31.26 | 0.79 |
| 20-11-2024 | 53 | 82 | NA | 16.6 | 1.8 | 56 | 92 | 11.98 | 0.87 | 0.98 | 53 | 80 | 20.37 | 12.65 | 1.12 | 49 | 85 | 10.23 | 9.28 | 1.93 | 56 | 92 | 7.39 | 41.48 | 1.01 |
| 21-11-2024 | 50 | 94 | NA | 16.5 | 1.7 | 46 | 89 | 11.49 | 5.09 | 1.01 | 55 | 89 | 15.8 | 11.33 | 1.11 | 46 | 85 | 10.58 | 8.91 | 1.92 | 55 | 93 | 8.03 | 44.35 | 1.02 |
| 22-11-2024 | 58 | 84 | NA | 16.5 | 1.8 | 59 | 66 | 11.4 | 4.2 | 1 | 51 | 94 | 17.98 | 8.76 | 1.18 | 55 | 90 | 9.64 | 8.84 | 2.01 | 52 | 94 | 7.6 | 38.78 | 1.03 |
| 23-11-2024 | 57 | 67 | NA | 16.4 | 1.9 | 50 | 83 | 11.29 | 2.91 | 1.04 | 49 | 89 | 18.98 | 7.52 | 1.16 | 49 | 88 | 9.47 | 10.08 | 2.05 | 48 | 89 | 6.37 | 31.3 | 0.95 |
| 24-11-2024 | 58 | 68 | NA | 16.4 | 1.9 | 50 | 93 | 10.78 | 3.56 | 1.21 | 51 | 91 | 23.42 | 8.61 | 1.22 | 56 | 91 | 9.87 | 9.66 | 2.18 | 58 | 93 | 8.37 | 35.57 | 1.02 |
| 25-11-2024 | 52 | 70 | NA | 16.4 | 1.8 | 51 | 90 | 11.18 | 5.44 | 1.37 | 53 | 84 | 21.7 | 8.44 | 1.16 | 58 | 95 | 10.5 | 9.46 | 2.14 | 56 | 90 | 6.66 | 34.58 | 1.06 |
| 26-11-2024 | 55 | 85 | NA | 16.3 | 1.9 | 56 | 77 | 10.92 | 3.73 | 1.3 | 49 | 87 | 17.7 | 9.24 | 1.05 | 48 | 90 | 11.88 | 9.18 | 2 | 48 | 80 | 7.73 | 35.6 | 0.93 |
| 27-11-2024 | 48 | 87 | NA | 16.2 | 1.7 | 59 | 90 | 10.16 | 3.3 | 1.04 | 56 | 85 | 15.99 | 12.66 | 1 | 51 | 93 | 12.63 | 10.6 | 2.07 | 59 | 83 | 8.56 | 37.98 | 0.89 |
| 28-11-2024 | 53 | 83 | NA | 16.2 | 1.7 | 58 | 94 | 11.19 | 5.48 | 1.34 | 53 | 79 | 23.37 | 12.6 | 1 | 40 | 93 | 13 | 10.55 | 1.95 | 53 | 87 | 7.58 | 43.33 | 0.87 |
| 29-11-2024 | 40 | 81 | NA | 16.2 | 1.5 | 54 | 91 | 11.09 | 4.04 | 1.14 | 52 | 85 | 12.65 | 11.66 | 0.94 | 56 | 92 | 13.46 | 11.09 | 1.89 | 57 | 92 | 7.51 | 42.22 | 0.85 |
| 30-11-2024 | 54 | 93 | NA | 16.1 | 1.9 | 55 | 90 | 11.28 | 4.25 | 1.13 | 55 | 89 | 17.59 | 14.85 | 1.16 | 56 | 94 | 15.3 | 9.41 | 2.17 | 50 | 91 | 7.73 | 47.16 | 1.09 |
| Max (µg/m3) | 58 | 94 | NA | 17 | 2 | 60 | 94 | 19 | 19 | 1 | 59 | 94 | 23 | 15 | 1 | 58 | 95 | 15 | 11 | 2 | 60 | 94 | 9 | 47 | 1 |
| Min (µg/m3) | 40 | 58 | NA | 16 | 1 | 30 | 58 | 2 | 1 | 1 | 43 | 59 | 11 | 6 | 1 | 36 | 79 | 9 | 8 | 1 | 44 | 72 | 6 | 25 | 1 |
| verage (µg/m3 | 52 | 81 | NA | 17 | 2 | 53 | 83 | 11 | 10 | 1 | 52 | 81 | 16 | 10 | 1 | 48 | 89 | 11 | 9 | 2 | 53 | 86 | 7 | 36 | 1 |
| Standards | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 |

Showing NA due to the Processor kept in observation.

Prepared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
Ceneral Manager (Environment)

## B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

### a). AMBIENT AIR QUALITY(AAQ):

| Location | Near Kasumata Temple | | | | | Near Coke Oven Plant | | | | | Near Goa Gate | | | | | Near MSEB Substation | | | | | Near Dolvi Village | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO |
| 01-12-2024 | 42 | 81 | NA | 16.1 | 2.0 | 42 | 92 | 11.31 | 3 | 1.2 | 44 | 90 | 21.96 | 10.2 | 1.22 | 57 | 91 | 31.97 | 8.38 | 1.68 | 46 | 89 | 8.37 | 43.79 | 1.14 |
| 02-12-2024 | 45 | 65 | NA | 16.1 | 1.9 | 43 | 92 | 12.25 | 5.52 | 1.26 | 57 | 85 | 18.84 | 18.98 | 1.25 | 48 | 86 | 32.8 | 9.33 | 1.85 | 54 | 92 | 8.14 | 46.41 | 1.11 |
| 03-12-2024 | 50 | 78 | NA | 16.2 | 1.9 | 44 | 87 | 14.78 | 6.41 | 1.26 | 51 | 82 | 17.3 | 13.03 | 1.3 | 57 | 78 | 36.34 | 9.59 | 1.68 | 57 | 93 | 7.43 | 45.76 | 1.13 |
| 04-12-2024 | 45 | 89 | NA | 24.9 | 1.6 | 54 | 89 | 14.72 | 12.54 | 1.08 | 53 | 71 | 16.46 | 11.03 | 1.24 | 42 | 80 | 27.37 | 9.3 | 1.49 | 44 | 90 | 6.69 | 40.92 | 0.93 |
| 05-12-2024 | 36 | 92 | NA | 64.3 | 0.6 | 44 | 91 | 13.89 | 5.95 | 0.97 | 45 | 61 | 13.98 | 7.92 | 1.16 | 35 | 62 | 22.05 | 8.63 | 1.4 | 46 | 85 | 7.17 | 35.63 | 0.92 |
| 06-12-2024 | 43 | 92 | NA | 50.7 | 0.8 | 35 | 71 | 14 | 2.67 | 1.03 | 54 | 68 | 14.37 | 7.77 | 1.08 | 51 | 90 | 19.21 | 8.64 | 1.78 | 52 | 90 | 6.68 | 39.96 | 0.97 |
| 07-12-2024 | 52 | 84 | NA | 46.6 | 0.9 | 34 | 73 | 13.69 | 4.83 | 1.02 | 59 | 69 | 12.97 | 10.61 | 1.01 | 54 | 92 | 17.58 | 9.31 | 1.5 | 55 | 91 | 6.91 | 38.96 | 0.97 |
| 08-12-2024 | 54 | 87 | NA | 42.2 | 0.9 | 54 | 82 | 16.97 | 3.16 | 1.24 | 33 | 89 | 12.02 | 11.38 | 0.88 | 48 | 79 | 16.99 | 8.87 | 0.36 | 53 | 85 | 7.48 | 37.34 | 0.86 |
| 09-12-2024 | 48 | 78 | NA | 18.0 | 1.7 | 33 | 47 | 11.98 | 2.76 | 1.13 | 38 | 81 | 11.92 | 11.3 | 0.92 | 53 | 89 | 16.49 | 10.34 | 0.68 | 55 | 82 | 7.02 | 33.61 | 0.87 |
| 10-12-2024 | 49 | 91 | NA | 17.7 | 1.7 | 33 | 92 | 10.08 | 17.19 | 1.02 | 39 | 84 | 11.44 | 14.54 | 0.97 | 52 | 87 | 17.37 | 9.6 | 0.53 | 56 | 87 | 7.39 | 39.8 | 0.96 |
| 11-12-2024 | 49 | 82 | NA | 17.7 | 1.8 | 56 | 91 | 14.55 | 18.15 | 1.24 | 47 | 92 | 11.7 | 12.88 | 1.02 | 47 | 83 | 17.39 | 9.16 | 0.64 | 54 | 93 | 7.41 | 39.02 | 1.07 |
| 12-12-2024 | 45 | 76 | NA | 17.5 | 1.7 | 49 | 91 | 22.98 | 22.65 | 1.25 | 51 | 85 | 12.11 | 21.62 | 1.11 | 54 | 90 | 17.6 | 9.65 | 1.3 | 49 | 89 | 7.03 | 46.38 | 1 |
| 13-12-2024 | 40 | 79 | NA | 17.6 | 1.6 | 46 | 91 | 20.11 | 30.95 | 1.3 | 47 | 87 | 11.41 | 23.01 | 0.98 | 58 | 79 | 17.5 | 9.65 | 0.79 | 44 | 91 | 6.51 | 35.77 | 0.92 |
| 14-12-2024 | 49 | 90 | NA | 14.2 | 1.8 | 40 | 92 | 17.96 | 23.52 | 0.83 | 52 | 88 | 11.21 | 26.76 | 0.96 | 50 | 92 | 17.39 | 10.12 | 0.54 | 52 | 91 | 7.58 | 41.44 | 1.02 |
| 15-12-2024 | 56 | 82 | NA | 10.1 | 1.9 | 48 | 91 | 17.55 | 21.47 | 1.22 | 51 | 94 | 10.77 | 21.08 | 0.94 | 52 | 93 | 17.27 | 9.65 | 0.6 | 51 | 78 | 7.13 | 40.66 | 1.05 |
| 16-12-2024 | 51 | 91 | NA | 10.0 | 2.0 | 58 | 94 | 17.37 | 22.27 | 1.16 | 42 | 91 | 10.98 | 18.15 | 0.88 | 58 | 89 | 17.47 | 9.27 | 0.8 | 57 | 84 | 7.9 | 38.02 | 0.94 |
| 17-12-2024 | 37 | 87 | NA | 12.3 | 1.5 | 56 | 91 | 16.74 | 20.82 | 1.29 | 49 | 90 | 10.81 | 17.3 | 0.99 | 46 | 91 | 17.52 | 9.97 | 1.02 | 46 | 91 | 8.22 | 39.58 | 1.05 |
| 18-12-2024 | 44 | 81 | NA | 15.6 | 1.2 | 49 | 90 | 16.49 | 19.61 | 1.11 | 55 | 87 | 11.3 | 19.86 | 1.13 | 57 | 90 | 17.79 | 9.35 | 0.82 | 49 | 90 | 8.04 | 39.39 | 1.17 |
| 19-12-2024 | 58 | 84 | NA | 18.7 | 1.2 | 55 | 92 | 17.48 | 19.04 | 1.25 | 60 | 84 | 10.74 | 17.69 | 1.13 | 32 | 58 | 17.73 | 8.62 | 0.83 | 53 | 91 | 7.44 | 46.59 | 1.27 |
| 20-12-2024 | 49 | 90 | NA | 19.0 | 1.2 | 46 | 90 | 9.87 | 17.76 | 1.36 | 57 | 88 | 10.03 | 15.14 | 1.16 | 31 | 89 | 19.31 | NA | 0.89 | 57 | 91 | 6.91 | 46.14 | 1.1 |
| 21-12-2024 | 56 | 94 | NA | 19.3 | 1.6 | 49 | 89 | 5.75 | 17.43 | 0.89 | 47 | 91 | 9.87 | 17.37 | 1.48 | 39 | 85 | 20.24 | NA | 1.02 | 57 | 87 | 7.57 | 35.25 | 0.95 |
| 22-12-2024 | 45 | 89 | NA | 19.6 | 1.1 | 36 | 85 | 6.23 | 14.71 | 0.84 | 36 | 92 | 9.67 | 15.68 | 1.38 | 46 | 91 | 17.16 | NA | 1.34 | 38 | 83 | 7.33 | 34 | 0.85 |
| 23-12-2024 | 44 | 87 | NA | 19.7 | 1.0 | 35 | 92 | 6.24 | 14.27 | 0.86 | 38 | 92 | 9.34 | 14.25 | 0.94 | 49 | 87 | 16.89 | 10.72 | 0.99 | 33 | 70 | 7.5 | 29.37 | 0.81 |
| 24-12-2024 | 58 | 90 | NA | 19.8 | 1.1 | 46 | 93 | 6.23 | 16.79 | 1.12 | 44 | 89 | 9.05 | 19.6 | 0.95 | 43 | 88 | 15.24 | 10.42 | 1.64 | 25 | 78 | 7.32 | 36.55 | 1.03 |
| 25-12-2024 | 39 | 91 | NA | 19.8 | 1.2 | 45 | 91 | 5.85 | 20.29 | 1.07 | 49 | 84 | 10.05 | 24.03 | 1.04 | 55 | 90 | 16.93 | 10.26 | 1.87 | 17 | 77 | 7.31 | 38.01 | 1.02 |
| 26-12-2024 | 44 | 76 | NA | 19.8 | 1.2 | 45 | 91 | 5.32 | 19.14 | 1.15 | 47 | 88 | 9.55 | 28.49 | 1.08 | 56 | 93 | 17.18 | 9.9 | 1.49 | 52 | 69 | 5.66 | 43.8 | 1.08 |
| 27-12-2024 | 54 | 91 | NA | 19.9 | 1.3 | 47 | 86 | 5.23 | 18.59 | 1.29 | 43 | 91 | 9.03 | 27.21 | 1.27 | 47 | 90 | 23.2 | 9.51 | 1.38 | 55 | 86 | 6.01 | 39.69 | 1.14 |
| 28-12-2024 | 54 | 80 | NA | 19.9 | 1.2 | 56 | 89 | 5.12 | 17.18 | 1.45 | 44 | 94 | 8.6 | 17.19 | 1.11 | 51 | 91 | 20.47 | 10.54 | 1.28 | 58 | 85 | 6.44 | 36.37 | 1.08 |
| 29-12-2024 | 58 | 89 | NA | 19.8 | 1.2 | 44 | 88 | 5.36 | 19.37 | 1.2 | 57 | 92 | 8.71 | 21.47 | 1.78 | 57 | 91 | 26.45 | 9.87 | 1.27 | 54 | 88 | 6.8 | 38.63 | 1.06 |
| 30-12-2024 | 45 | 85 | NA | 19.8 | 1.1 | 35 | 91 | 5.39 | 20.55 | 1.19 | 48 | 87 | 9.24 | 25.64 | 1.67 | 50 | 87 | 28.21 | 9.65 | 0.67 | 51 | 89 | 6.75 | 40.73 | 0.95 |
| 31-12-2024 | 46 | 88 | NA | 19.7 | 1.3 | 37 | 91 | 5.27 | 20.13 | 1.11 | 47 | 90 | 13.53 | 19.56 | 0.98 | 53 | 89 | 19.46 | 9.25 | 0.39 | 58 | 91 | 9.04 | 47.46 | 1.08 |
| Max (µg/m3) | 58 | 94 | 0 | 64 | 2 | 58 | 94 | 23 | 31 | 1 | 60 | 94 | 22 | 28 | 2 | 58 | 93 | 36 | 11 | 2 | 58 | 93 | 9 | 47 | 1 |
| Min (µg/m3) | 36 | 65 | 0 | 10 | 1 | 33 | 47 | 5 | 3 | 1 | 33 | 61 | 9 | 8 | 1 | 31 | 58 | 5 | 8 | 0 | 17 | 69 | 6 | 29 | 1 |
| Average (µg/m3) | 48 | 85 | #DIV/0! | 22 | 1 | 45 | 88 | 12 | 15 | 1 | 48 | 86 | 12 | 17 | 1 | 49 | 86 | 21 | 10 | 1 | 49 | 86 | 7 | 40 | 1 |
| Standards | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 |

Showing NA due to the Processor Under observation.

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

## B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

### a). AMBIENT AIR QUALITY(AAQ):

| Location | Near Kasumata Temple | | | | | Near Coke Oven Plant | | | | | Near Goa Gate | | | | | Near MSEB Substation | | | | | Near Dolvi Village | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO |
| 01-01-2025 | 52 | 90 | NA | 19.7 | 1.2 | 51 | 90 | 5.48 | 20.48 | 1.32 | 53 | 38 | 15.03 | 11.71 | 0.99 | 46 | 85 | | 8.46 | 0.84 | 58 | 81 | 8.33 | 42.96 | 1.07 |
| 02-01-2025 | 57 | 82 | NA | 19.8 | 1.1 | 48 | 95 | 5.38 | 20.71 | 1.22 | 46 | 38 | 12.11 | 11.01 | 0.79 | 48 | 88 | | 9.13 | 1.13 | 55 | 80 | 7.89 | 43.64 | 0.92 |
| 03-01-2025 | 58 | 92 | NA | 19.7 | 1.3 | 52 | 92 | 5.48 | 25.22 | 1.13 | 33 | 30 | 4.47 | 14.07 | 0.91 | 39 | 90 | | 9.51 | 1.12 | 59 | 81 | 8 | 38.01 | 0.9 |
| 04-01-2025 | 59 | 90 | NA | 19.5 | 1.5 | 50 | 95 | 5.53 | 21.35 | 1.03 | 47 | 32 | 6.07 | 18.93 | 1.07 | 44 | 88 | | 9.05 | 1.03 | 59 | 83 | 7.89 | 38.64 | 0.9 |
| 05-01-2025 | 59 | 95 | NA | 19.2 | 1.8 | 51 | 90 | 5.59 | 18.46 | 1.27 | 50 | 30 | 5.54 | 16.81 | 1.23 | 48 | 95 | | 8.59 | 1.4 | 45 | 86 | 7.98 | 41.07 | 1.17 |
| 06-01-2025 | 54 | 90 | NA | 19.2 | 1.4 | 50 | 89 | 5.55 | 17.89 | 1.17 | 52 | 31 | 5.69 | 18.35 | 1.17 | 50 | 90 | | 9.76 | 1.89 | 47 | 85 | 8.1 | 31.4 | 1.02 |
| 07-01-2025 | 52 | 93 | NA | 19.1 | 1.5 | 49 | 81 | 5.63 | 16.82 | 1.05 | 51 | 32 | 5.79 | 30.78 | 1.26 | 52 | 91 | | 10 | 1.94 | 51 | 90 | 8.21 | 47.57 | 1.08 |
| 08-01-2025 | 50 | 93 | NA | 19.1 | 1.5 | 53 | 88 | 5.83 | 17.43 | 1.06 | 53 | 34 | 6.9 | 24.43 | 1.19 | 55 | 90 | | 9.68 | 1.59 | 55 | 88 | 7.99 | 43.59 | 1.16 |
| 09-01-2025 | 56 | 94 | NA | 19.1 | 1.5 | 57 | 90 | 6.61 | 17.35 | 1.05 | 48 | 33 | 7.62 | 20.94 | 1.09 | 46 | 90 | | 9.66 | 1.52 | 52 | 86 | 8.06 | 40.68 | 1.01 |
| 10-01-2025 | 59 | 91 | NA | 19.1 | 1.7 | 58 | 93 | 6.92 | 16.75 | 1.12 | 46 | 32 | 7.3 | 17.35 | 1.06 | 50 | 94 | | 8.63 | 1.6 | 51 | 90 | 6.96 | 38.23 | 0.99 |
| 11-01-2025 | 55 | 90 | NA | 19.0 | 1.5 | 46 | 82 | 6.91 | 15.38 | 1.13 | 49 | 32 | 7.93 | 16.91 | 1.08 | 51 | 92 | | 8.87 | 1.8 | 50 | 83 | 6.44 | 42.14 | 0.98 |
| 12-01-2025 | 51 | 96 | NA | 19.0 | 1.5 | 30 | 89 | 6.94 | 16.62 | 1.2 | 53 | 34 | 8.16 | 22.05 | 1.17 | 56 | 92 | | 9.16 | 2.19 | 54 | 86 | 7.07 | 38.68 | 1.08 |
| 13-01-2025 | 52 | 85 | NA | 19.0 | 1.5 | 32 | 80 | 6.98 | 16.93 | 1.17 | 60 | 35 | 7.66 | 21.03 | 1.13 | 54 | 92 | | 8.81 | 1.84 | 53 | 88 | 7.03 | 40.41 | 1.03 |
| 14-01-2025 | 58 | 90 | NA | 19.0 | 1.7 | 48 | 86 | 7.56 | 16.89 | 1.11 | 48 | 33 | 6.3 | 17.46 | 1.93 | 42 | 91 | | 8.55 | 1.5 | 55 | 83 | 6.84 | 36.64 | 0.93 |
| 15-01-2025 | 56 | 91 | NA | 19.0 | 1.5 | 34 | 57 | 8.1 | 15.31 | 1.09 | 42 | 33 | 5.69 | 12.87 | 1.31 | 60 | 92 | | 8.83 | 2.17 | 53 | 81 | 7.36 | 31.92 | 0.99 |
| 16-01-2025 | 51 | 90 | NA | 18.1 | 1.4 | 32 | 75 | 8.26 | 16.17 | 1.2 | 53 | 32 | 6.21 | 18.11 | 1.28 | 58 | 93 | | 9.48 | 2.49 | 53 | 83 | 7.62 | 36.01 | 1.01 |
| 17-01-2025 | 57 | 95 | NA | 18.9 | 1.5 | 35 | 67 | 8.3 | 16.47 | 1.33 | 53 | 34 | 5.84 | 17.15 | 1.23 | 51 | 82 | | 9.34 | 1.61 | 55 | 90 | 7.02 | 36.04 | 1.05 |
| 18-01-2025 | 53 | 90 | NA | 18.9 | 1.5 | 54 | 71 | 8.21 | 15.72 | 1.38 | 52 | 35 | 5.79 | 21.85 | 1.13 | 47 | 93 | | 9.01 | 1.04 | 51 | 89 | 7.31 | 38.48 | 1.05 |
| 19-01-2025 | 50 | 92 | NA | 18.9 | 1.6 | 55 | 93 | 8.29 | 15.95 | 1.5 | 56 | 31 | 4.73 | 17.79 | 1.1 | 53 | 89 | | 8.44 | 1.29 | 59 | 92 | 7.4 | 48.15 | 1 |
| 20-01-2025 | 50 | 81 | NA | 18.9 | 1.5 | 55 | 86 | 8.29 | 15.46 | 1.3 | 56 | 30 | 5.16 | 17.78 | 1.1 | 56 | 92 | | 8.16 | 1.44 | 56 | 95 | 7.31 | 44.3 | 1.05 |
| 21-01-2025 | 58 | 93 | NA | 18.9 | 1.4 | 33 | 67 | 8.33 | 15.64 | 1.2 | 56 | 31 | 5.88 | 19.86 | 0.94 | 46 | 92 | | 8.44 | 1.41 | 57 | 95 | 7.42 | 47.02 | 1.09 |
| 22-01-2025 | 49 | 87 | NA | 18.8 | 1.5 | 41 | 75 | 8.56 | 16.92 | 1.23 | 57 | 30 | 4.96 | 21.38 | 0.9 | 49 | 94 | | 8.5 | 1.78 | 58 | 94 | 6.91 | 59.33 | 1.09 |
| 23-01-2025 | 46 | 92 | NA | 18.9 | 1.5 | 32 | 91 | 8.25 | | 1.02 | 55 | 35 | 5.81 | 28.14 | 1.02 | 47 | 92 | | 8.94 | 1.69 | 51 | 93 | 7.46 | 50.15 | 1.04 |
| 24-01-2025 | 50 | 93 | NA | 18.9 | 1.5 | 30 | 76 | 8.58 | | 1.35 | 57 | 30 | 6.65 | 29.07 | 1.76 | 43 | 91 | | 8.35 | 1.75 | 56 | 92 | 7.53 | 49.44 | 1.29 |
| 25-01-2025 | 57 | 95 | NA | 18.9 | 1.6 | 37 | 82 | 8.65 | | 1.05 | 41 | 34 | 5.91 | 16.38 | 1.21 | 32 | 79 | | 8.35 | 1.19 | 50 | 92 | 6.94 | 47.67 | 1.01 |
| 26-01-2025 | 54 | 87 | NA | 18.9 | 1.9 | 38 | 91 | 8.75 | | 1.46 | 49 | 33 | 6.02 | 18.5 | 1.41 | 39 | 86 | | 7.92 | 1.35 | 59 | 93 | 7.44 | 49.95 | 1.24 |
| 27-01-2025 | 50 | 92 | NA | 18.9 | 1.8 | 41 | 91 | 8.81 | Showing NA due to the analyzer maintananace analyzer under observation. | 1.48 | 46 | 32 | 5.97 | 14.8 | 1.26 | 23 | 59 | | 7.89 | 1.64 | 51 | 90 | 7.34 | 43.5 | 1.15 |
| 28-01-2025 | 57 | 92 | NA | 18.7 | 1.6 | 44 | 81 | 8.76 | | 1.33 | 51 | 34 | 6.13 | 21.41 | 1.58 | Due to internet problem ( Internet cable cut) | | | | | 58 | 90 | 7.07 | 51.17 | 1.06 |
| 29-01-2025 | 48 | 94 | NA | 18.5 | 2.0 | 45 | 84 | 8.7 | | 1.21 | 38 | 30 | 5.49 | 17.01 | 0.92 | | | | | | 47 | 93 | 6.89 | 44.3 | 0.88 |
| 30-01-2025 | 54 | 86 | NA | 18.5 | 1.9 | 27 | 54 | 8.71 | | 0.99 | 49 | 35 | 5.98 | 24.12 | 1.12 | | | | | | 60 | 94 | 7.09 | 51.09 | 0.97 |
| 31-01-2025 | 58 | 95 | NA | 18.6 | 1.6 | 28 | 56 | 8.79 | | 0.99 | 39 | 32 | 5.56 | 22.25 | 0.95 | | | | | | 53 | 91 | 6.79 | 42.31 | 0.91 |
| Max (µg/m3) | 59 | 96 | 0 | 20 | 2 | 58 | 95 | 9 | 25 | 2 | 60 | 95 | 15 | 31 | 2 | 60 | 95 | 0 | 10 | 2 | 60 | 95 | 8 | 59 | 1 |
| Min (µg/m3) | 46 | 81 | 0 | 18 | 1 | 27 | 54 | 5 | 15 | 1 | 33 | 28 | 4 | 11 | 1 | 23 | 59 | 0 | 8 | 1 | 45 | 80 | 6 | 31 | 1 |
| Average (µg/m3 | 54 | 91 | #DIV/0! | 19 | 2 | 43 | 82 | 7 | 18 | 1 | 50 | 32 | 7 | 19 | 1 | 48 | 89 | ##### | 9 | 2 | 54 | 88 | 7 | 43 | 1 |
| Standards | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 |

Showing NA due to the Processor card Under observation.

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

## B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

### a). AMBIENT AIR QUALITY(AAQ):

| Location | Near Kasumata Temple | | | | | Near Coke Oven Plant | | | | | Near Goa Gate | | | | | Near MSEB Substation | | | | | Near Dolvi Village | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO |
| 01-02-2025 | 40 | 76 | NA | 18.6 | 1.6 | 26 | 41 | 8.69 | NA | 0.8 | 35 | 92 | 5.36 | 19.85 | 0.82 | 37 | 89 | 12.84 | 9.01 | 1.21 | 38 | 88 | 7.35 | 55.35 | 0.8 |
| 02-02-2025 | 54 | 95 | NA | 18.6 | 1.6 | 24 | 54 | 8.69 | NA | 0.98 | 36 | 90 | 6.4 | 15.74 | 0.93 | 41 | 84 | 9.57 | 8.39 | 1.02 | 54 | 91 | 6.96 | 37.7 | 0.9 |
| 03-02-2025 | 59 | 85 | NA | 18.6 | 1.6 | 30 | 60 | 8.95 | NA | 1.1 | 35 | 79 | 5.49 | 22.52 | 0.92 | 32 | 91 | 8.63 | 8.54 | 1.65 | 52 | 85 | 6.74 | 42.14 | 0.9 |
| 04-02-2025 | 44 | 79 | NA | 18.6 | 1.6 | 24 | 50 | 9.03 | NA | 1.19 | 33 | 89 | 5.12 | 16.99 | 0.84 | 34 | 90 | 10.54 | 9.27 | 1.23 | 48 | 84 | 7.46 | 47.6 | 0.8 |
| 05-02-2025 | 52 | 90 | NA | 18.6 | 1.7 | 28 | 59 | 8.57 | NA | 0.97 | 46 | 95 | 5.68 | 20.42 | 0.94 | 40 | 92 | 8.53 | 10.82 | 0.6 | 45 | 91 | 7.32 | 34.86 | 0.8 |
| 06-02-2025 | 53 | 91 | NA | 18.5 | 1.8 | 27 | 60 | 8.58 | NA | 1.13 | 44 | 82 | 5.34 | 25.97 | 1.08 | 32 | 92 | 12.52 | 21.02 | 1.64 | 55 | 92 | 8.09 | 55.5 | 1 |
| 07-02-2025 | 55 | 93 | NA | 20.6 | 1.7 | 45 | 85 | 13.66 | NA | 1.28 | 43 | 95 | 6.08 | 20.9 | 1.48 | 26 | 90 | 15.32 | 8.89 | 1.74 | 58 | 87 | 7.76 | 47.11 | 1.1 |
| 08-02-2025 | 24 | 87 | NA | 18.7 | 1.9 | 49 | 89 | 20.45 | NA | 1.18 | 44 | 92 | 6.17 | 19.44 | 1.32 | 30 | 88 | 13.93 | 9.82 | 1.63 | 53 | 90 | 8.36 | 43.77 | 1.1 |
| 09-02-2025 | 50 | 80 | NA | 18.7 | 1.9 | 44 | 84 | 20.52 | NA | 1.04 | 45 | 88 | 5.39 | 21.66 | 1.11 | 43 | 77 | 15.5 | 8.72 | 1.24 | 52 | 91 | 7.63 | 47.1 | 0.9 |
| 10-02-2025 | 41 | 73 | NA | 18.7 | 1.9 | 54 | 61 | 18.04 | NA | 1.01 | 31 | 93 | 5.5 | 16.32 | 0.75 | 42 | 82 | 14.43 | 10.28 | 1.78 | 42 | 89 | 7.96 | 46.54 | 0.8 |
| 11-02-2025 | 50 | 77 | NA | 18.6 | 1.8 | 29 | 60 | 20.48 | NA | 0.89 | 39 | 95 | 6.14 | 29.12 | 0.85 | 39 | 90 | 13.72 | 9.72 | 1.2 | 49 | 83 | 7.3 | 52.73 | 0.9 |
| 12-02-2025 | 58 | 90 | NA | 18.6 | 1.7 | 28 | 75 | 19.8 | NA | 1.21 | 45 | 90 | 5.6 | 21.03 | 0.91 | 31 | 82 | 9.98 | 11.99 | 1.57 | 45 | 81 | 7.73 | 39.29 | 1 |
| 13-02-2025 | 52 | 92 | NA | 18.7 | 1.5 | 35 | 79 | 18.94 | NA | 1.07 | 42 | 85 | 5.23 | 20.29 | 0.92 | 42 | 88 | 7.68 | 11.58 | 1.02 | 46 | 90 | 7.55 | 51.04 | 0.9 |
| 14-02-2025 | 47 | 91 | NA | 19.1 | 1.3 | 40 | 87 | 13.57 | NA | 1.03 | 38 | 88 | 4.86 | 14.43 | 0.89 | 56 | 80 | 14.06 | 16.92 | 1.53 | 50 | 91 | 8.01 | 52.05 | 0.9 |
| 15-02-2025 | 59 | 93 | NA | 17.1 | 1.4 | 39 | 89 | 8.53 | NA | 1.13 | 35 | 86 | 6.27 | 16.87 | 0.86 | 50 | 83 | 10.16 | 15.2 | 1.58 | 46 | 94 | 8.03 | 50.44 | 0.9 |
| 16-02-2025 | 58 | 77 | NA | 16.6 | 1.4 | 39 | 80 | 9.04 | NA | 1.05 | 36 | 87 | 5.79 | 20.46 | 0.85 | 49 | 92 | 7.48 | 11.23 | 1.3 | 47 | 90 | 8.22 | 58.94 | 0.9 |
| 17-02-2025 | 45 | 87 | NA | 16.4 | 1.4 | 24 | 51 | 9.26 | NA | 1.01 | 32 | 81 | 4.93 | 12.67 | 0.77 | 37 | 91 | 6.96 | 12.8 | 1.38 | 50 | 92 | 7.08 | 55.18 | 0.8 |
| 18-02-2025 | 55 | 88 | NA | 16.4 | 1.4 | 30 | 64 | 8.36 | NA | 1.05 | 38 | 87 | 6.6 | 8.2 | 0.78 | 36 | 90 | 7.32 | 12.48 | 1.2 | 35 | 87 | 7.55 | 50.14 | 0.9 |
| 19-02-2025 | 50 | 94 | NA | 16.4 | 1.4 | 56 | 92 | 9.41 | NA | 0.99 | 35 | 88 | 7.18 | 9.22 | 0.83 | 56 | 93 | 7.34 | 11.63 | 1.53 | 37 | 91 | 7.57 | 54.01 | 0.9 |
| 20-02-2025 | 55 | 92 | NA | 16.4 | 1.4 | 58 | 82 | 9.06 | NA | 0.98 | 40 | 95 | 8.06 | 9.56 | 0.95 | 47 | 90 | 7.43 | 11.81 | 1.53 | 47 | 90 | 7.98 | 50.15 | 1 |
| 21-02-2025 | 54 | 91 | NA | 16.4 | 1.4 | 52 | 78 | 8.64 | NA | 1.1 | 41 | 92 | 6.93 | 15.24 | 0.92 | 57 | 91 | 7.97 | 11.8 | 1.75 | 40 | 92 | 7.14 | 47.52 | 0.9 |
| 22-02-2025 | 59 | 90 | NA | 16.3 | 1.5 | 57 | 95 | 8.37 | NA | 1.18 | 39 | 91 | 6.24 | 18.8 | 1.02 | 41 | 86 | 5.21 | 11.4 | 1.26 | 42 | 90 | 7.65 | 63.02 | 1 |
| 23-02-2025 | 47 | 85 | NA | 16.3 | 1.5 | 49 | 90 | 8.74 | NA | 0.99 | 35 | 94 | 7.55 | 9.97 | 0.97 | 44 | 84 | 5.38 | 10.35 | 1.5 | 31 | 91 | 7.54 | 43.74 | 0.9 |
| 24-02-2025 | 52 | 88 | NA | 16.3 | 1.5 | 56 | 96 | 8.53 | NA | 0.88 | 36 | 90 | 7.04 | 8.46 | 1.09 | 29 | 87 | 5.52 | 10.24 | 1.01 | 28 | 84 | 7.12 | 44.72 | 0.8 |
| 25-02-2025 | 57 | 86 | NA | 16.3 | 1.6 | 51 | 86 | 10.1 | NA | 0.96 | 37 | 91 | 7.46 | 9.83 | 1.72 | 31 | 89 | 4.96 | 10.29 | 0.66 | 31 | 89 | 7.94 | 46.69 | 0.9 |
| 26-02-2025 | 51 | 95 | NA | 16.2 | 1.6 | 58 | 96 | 13.34 | NA | 0.85 | 33 | 86 | 6.93 | 9.21 | 1.39 | 26 | 92 | 5.05 | 10.68 | 0.72 | 33 | 90 | 8.04 | 51 | 0.9 |
| 27-02-2025 | 56 | 94 | NA | 16.1 | 1.6 | 52 | 87 | 12.04 | NA | 0.93 | 34 | 88 | 7.26 | 9.54 | 1.44 | 26 | 91 | 5.01 | 10.55 | 0.84 | 33 | 94 | 7.92 | 50.3 | 1 |
| 28-02-2025 | 57 | 92 | NA | 16.1 | 1.6 | 55 | 94 | 11.14 | NA | 1.09 | 37 | 85 | 6.24 | 8.63 | 1.04 | 39 | 90 | 5 | 10 | 1 | 34 | 68 | 8.16 | 45.17 | 0.9 |
| Max (µg/m3) | 59 | 95 | 0 | 21 | 2 | 58 | 96 | 21 | 0 | 1 | 46 | 95 | 8 | 29 | 2 | 57 | 93 | 16 | 21 | 2 | 58 | 94 | 8 | 63 | 1 |
| Min (µg/m3) | 24 | 73 | 0 | 16 | 1 | 24 | 41 | 8 | 0 | 1 | 31 | 79 | 5 | 8 | 1 | 26 | 77 | 5 | 8 | 1 | 28 | 68 | 7 | 35 | 1 |
| verage (µg/m3 | 51 | 88 | #DIV/0! | 18 | 2 | 42 | 76 | 12 | #DIV/0! | 1 | 38 | 89 | 6 | 16 | 1 | 39 | 88 | 9 | 11 | 1 | 44 | 88 | 8 | 49 | 1 |
| Standards | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 |

Showing NA due to Analyzer under observation

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

## B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

### a). AMBIENT AIR QUALITY(AAQ):

| Location | Near Kasumata Temple | | | | | Near Coke Oven Plant | | | | | Near Goa Gate | | | | | Near MSEB Substation | | | | | Near Dolvi Village | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO |
| 01-03-2025 | 17 | 81 | NA | 16.1 | 1.5 | 35 | 82 | 11.2 | NA | 1.15 | 10 | 91 | 7.00 | 15.19 | 1.2 | 59 | 88 | 5.54 | 10.76 | 1.34 | 44 | 93 | 7.62 | 51.21 | 1.0 |
| 02-03-2025 | 29 | 80 | NA | 16.0 | 1.4 | 29 | 80 | 11.3 | NA | 0.94 | 50 | 82 | 7.85 | 10.72 | 1.14 | 43 | 88 | 5.39 | 10.6 | 1.84 | 31 | 85 | 7.89 | 37.71 | 0.9 |
| 03-03-2025 | 37 | 81 | NA | 16.1 | 1.4 | 49 | 86 | 11.11 | NA | 0.92 | 44 | 93 | 7.03 | 8.4 | 0.98 | 60 | 90 | 5.27 | 10.73 | 2.22 | 28 | 81 | 7.69 | 34.84 | 0.9 |
| 04-03-2025 | 19 | 83 | NA | 16.1 | 1.3 | 11 | 85 | 10.94 | NA | 1.13 | 44 | 97 | 8.16 | 11.63 | 0.98 | 54 | 92 | 5.39 | 11.53 | 2.49 | 23 | 92 | 7.72 | 39.57 | 0.9 |
| 05-03-2025 | 45 | 86 | NA | 16.1 | 1.3 | 23 | 88 | 10.95 | NA | 1.01 | 28 | 95 | 7.35 | 9.81 | 0.85 | 25 | 95 | 4.81 | 11.53 | 1.7 | 54 | 84 | 7.31 | 39.98 | 0.8 |
| 06-03-2025 | 47 | 85 | 5.4 | 16.0 | 1.1 | 17 | 90 | 10.84 | NA | 1.14 | 16 | 90 | 7.45 | 12.34 | 1.05 | 16 | 93 | 5.34 | 11.2 | 2.19 | 56 | 82 | 7.53 | 51.99 | 0.8 |
| 07-03-2025 | 41 | 90 | 4.4 | 15.9 | 1.1 | 49 | 88 | 14.79 | NA | 1.03 | 55 | 93 | 7.73 | 8.22 | 1.07 | 11 | 94 | 4.86 | 10.45 | 1.64 | 48 | 88 | 8.33 | 55.29 | 1.0 |
| 08-03-2025 | 13 | 88 | 3.6 | 15.9 | 1.2 | 45 | 95 | 13.1 | NA | 1.29 | 46 | 93 | 7.29 | 7.14 | 1.13 | 20 | 94 | 4.54 | 10.38 | 1.75 | 24 | 89 | 7.93 | 50.58 | 1.0 |
| 09-03-2025 | 36 | 86 | 3.2 | 15.9 | 1.2 | 33 | 91 | 3.38 | NA | 1.03 | 38 | 94 | 7.78 | 9.82 | 0.9 | 16 | 93 | 4.64 | 10.12 | 1.69 | 29 | 92 | 7.85 | 0.00 | 0.9 |
| 10-03-2025 | 58 | 90 | 2.5 | 15.9 | 1.2 | 56 | 91 | 4.45 | NA | 1.12 | 16 | 91 | 7.57 | 15.0 | 2.05 | 32 | 92 | 4.57 | 10.5 | 1.21 | 16 | 87 | 7.56 | 54.45 | 1.1 |
| 11-03-2025 | 56 | 83 | 2.0 | 15.9 | 1.7 | 45 | 90 | 7.29 | NA | 1.43 | 50 | 90 | 7.86 | 7.14 | 1.77 | 37 | 92 | 4.41 | 10.05 | 1.33 | 16 | 90 | 7.54 | 45.14 | 1.3 |
| 12-03-2025 | 25 | 86 | 1.3 | 15.8 | 1.5 | 31 | 90 | 6.72 | NA | 1.09 | 59 | 96 | 7.33 | 12.71 | 1.55 | 40 | 94 | 4.53 | 10.32 | 1.05 | 56 | 83 | 7.12 | 57.91 | 1.0 |
| 13-03-2025 | 48 | 88 | 3.4 | 15.8 | 1.5 | 10 | 94 | 5.49 | NA | 1.00 | 43 | 85 | 8.13 | 8.28 | 1.39 | 48 | 95 | 4.68 | 10.24 | 1.44 | 41 | 86 | 7.91 | 41.39 | 1.0 |
| 14-03-2025 | 16 | 83 | 5.8 | 15.8 | 1.3 | 18 | 92 | 5.94 | NA | 1.14 | 18 | 97 | 8.54 | 8.39 | 1.34 | 54 | 93 | 5.13 | 10.23 | 1.83 | 37 | 66 | 7.94 | 41.79 | 1.0 |
| 15-03-2025 | 38 | 81 | 6.0 | 15.8 | 1.2 | 46 | 96 | 5.89 | NA | 1.17 | 44 | 91 | 8.18 | 10.87 | 1.05 | 21 | 93 | 5.1 | 10.61 | 1.7 | 33 | 65 | 8.16 | 44.54 | 0.9 |
| 16-03-2025 | 56 | 83 | 5.8 | 15.8 | 1.2 | 27 | 91 | 6 | NA | 0.93 | 43 | 90 | 8.51 | 15.18 | 0.95 | 26 | 92 | 4.87 | 10.51 | 1.62 | 34 | 72 | 7.93 | 49.94 | 0.8 |
| 17-03-2025 | 51 | 90 | 5.8 | 15.7 | 1.2 | 25 | 92 | 6.22 | NA | 0.78 | 51 | 95 | 8.85 | 9.77 | 0.91 | 39 | 94 | 5.14 | 10.61 | 1.69 | 45 | 69 | 7.83 | 80.54 | 0.7 |
| 18-03-2025 | 12 | 89 | 5.3 | 15.8 | 1.0 | 40 | 92 | 6.34 | NA | 0.69 | 32 | 90 | 8.53 | 11.5 | 0.92 | 20 | 95 | 5.64 | 11.84 | 1.51 | 22 | 78 | 7.35 | NA | 0.7 |
| 19-03-2025 | 43 | 92 | 4.5 | 15.7 | 0.9 | 13 | 93 | 6.54 | 16.92 | 0.95 | 12 | 92 | 8.36 | 11.83 | 1.03 | 16 | 91 | 5.36 | 11.59 | 1.44 | 15 | 76 | 7.15 | 39.13 | 0.8 |
| 20-03-2025 | 45 | 91 | 3.8 | 15.7 | 0.9 | 18 | 82 | 6.86 | 29.82 | 0.91 | 28 | 81 | 8.53 | 14.15 | 0.94 | 15 | 90 | 5.29 | 11.47 | 2.31 | 22 | 90 | 7.73 | 56.78 | 0.7 |
| 21-03-2025 | 24 | 90 | 3.1 | 15.7 | 0.9 | 45 | 93 | 6.91 | 34.22 | 0.96 | 13 | 93 | 8.65 | 10.65 | 0.83 | 53 | 91 | 7.37 | 12.73 | 1.63 | 51 | 90 | 7.18 | 43.47 | 0.8 |
| 22-03-2025 | 31 | 90 | 2.3 | 15.7 | 0.9 | 58 | 91 | 7.13 | 22.97 | 0.74 | 36 | 87 | 8.68 | 10.61 | 0.64 | 13 | 90 | 7.89 | 11.18 | 1.03 | 17 | 49 | 7.62 | 39.57 | 0.6 |
| 23-03-2025 | 17 | 93 | 1.4 | 15.7 | 0.9 | 33 | 92 | 7.14 | 20.03 | 0.87 | 55 | 97 | 8.52 | 10.24 | 1.39 | 30 | 90 | 7.66 | 10.63 | 1.16 | 30 | 64 | 7.74 | 35.00 | 0.6 |
| 24-03-2025 | 35 | 92 | 2.8 | 15.7 | 1.2 | 25 | 92 | 7.01 | 17.42 | 0.81 | 52 | 93 | 8.61 | 5.54 | 0.89 | 29 | 93 | 7.82 | 11.73 | 1.97 | 52 | 62 | 7.73 | 36.29 | 0.8 |
| 25-03-2025 | 36 | 92 | 4.0 | 15.5 | 1.0 | 48 | 94 | 7.25 | 22.6 | 0.82 | 42 | 95 | 9.1 | 9.42 | 0.82 | 22 | 94 | 8.19 | 16.4 | 1.79 | 31 | 61 | 8.00 | 40.41 | 0.7 |
| 26-03-2025 | 51 | 93 | 3.8 | 15.5 | 1.1 | 37 | 92 | 7.27 | 19.39 | 0.74 | 19 | 87 | 8.76 | 7.58 | 0.59 | 32 | 93 | 8.01 | 25.14 | 2.04 | 41 | 42 | 7.37 | 32.39 | 0.6 |
| 27-03-2025 | 58 | 90 | 3.5 | 15.5 | 0.9 | 22 | 91 | 7.43 | 17.9 | 0.67 | 20 | 92 | 8.5 | 11.43 | 0.59 | 44 | 86 | 6.98 | 70.87 | 2.3 | 51 | 48 | 7.19 | 36.56 | 0.5 |
| 28-03-2025 | 59 | 90 | 3.2 | 15.5 | 0.8 | 31 | 79 | 7.37 | 19.35 | 0.71 | 56 | 92 | 8.97 | 9.19 | 0.65 | 51 | 92 | 7.00 | NA | 2.5 | 21 | 81 | 7.6 | 47.34 | 0.6 |
| 29-03-2025 | 44 | 93 | 2.5 | 15.5 | 0.9 | 18 | 86 | 7.45 | 32.4 | 0.86 | 10 | 94 | 9.36 | 13.79 | 1.11 | 47 | 81 | 9.28 | NA | 1.15 | 54 | 90 | 8.06 | 56.31 | 0.9 |
| 30-03-2025 | 25 | 94 | 1.7 | 15.5 | 1.3 | 23 | 59 | 7.55 | 26.05 | 1.42 | 29 | 86 | 8.53 | 6.59 | 1.16 | 46 | 80 | 18.32 | NA | 1.22 | 29 | 91 | 8.23 | 43.07 | 1.0 |
| 31-03-2025 | 54 | 91 | 1.2 | 15.5 | 1.7 | 59 | 80 | 7.62 | 15.21 | 1.09 | 43 | 95 | 8.34 | 5.68 | 1.34 | 32 | 90 | 16.81 | NA | 0.71 | 50 | 64 | 7.65 | 30.63 | 0.8 |
| Max (µg/m3) | 59 | 94 | 6 | 16 | 2 | 59 | 96 | 15 | 34 | 1 | 59 | 97 | 9 | 15 | 2 | 60 | 95 | 18 | 71 | 3 | 56 | 93 | 8 | 81 | 1 |
| Min (µg/m3) | 12 | 80 | 1 | 15 | 1 | 10 | 59 | 3 | 15 | 1 | 10 | 81 | 7 | 6 | 1 | 11 | 80 | 4 | 10 | 1 | 15 | 42 | 7 | 0 | 1 |
| verage (µg/m3 | 38 | 88 | 4 | 16 | 1 | 33 | 88 | 8 | 23 | 1 | 36 | 91 | 8 | 10 | 1 | 34 | 91 | 7 | 14 | 2 | 36 | 77 | 8 | 44 | 1 |
| Standards | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 |

Showing NA due to the Processor Analyzer under observation

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

JSW Steel Limited

**Dolvi Works:**
Geetapuram,
Dolvi, Taluka - Pen,
Dist. Raigad - 402 107. Maharashtra, India.
CIN : L27102MH1994PLC152925
Phone : +91 2143 663000/3100/3200
Fax : +91 2143 277533/42
Website : www.jsw.in

**BY COURIER**

May 28, 2025

JSWSL/ENV/MOEF&CC/2025

To

Regional Officer,
Ministry of Environment, Forests & Climate Change
Regional Office, (West Central Zone)
Ground Floor, East Wing,
New Secretarial Building, Civil Line,
Nagpur – 440001.

Sub: Submission of Six Monthly Environmental Monitoring Reports for Integrated Steel Plant for the Period of October 2024 to March 2025.

Ref: EC from MoEF, vide F No J-11011/176/2013-IA-II (I) dated 25th August 2015.

Dear Sir,

Please find enclosed the six monthly Environmental Monitoring Reports for the period of October 2024 to March 2025 for Integrated Steel Plant Phase II Lime calcination plant 5,6,7Hot Strip Mill Plant-II, Steel Melt Shop -II Blast Furnace Plant-II ,Pellet plant -II 175 MW Captive Power Plant, Incineration plant.

This is for your information and record please.

Thanking You,

Yours Faithfully,
For JSW Steel Limited,

Satish Kumar Choudhary
General Manager(Environment)

CC: 1) The Director, MoEF&CC, Indira Paryavaran Bhawan, Jor Bagh, Lodi Road, New Delhi-110003 for kind information.
2) The Zonal officer, CPCB, Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara-390 023, Gujarat.
3) The Regional Officer, MPCB, Raigad, Raigad Bhavan, CBD Belapur, Navi Mumbai

**JSW STEEL LIMITED**
**Integrated Steel Mill Complex Phase II**
**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

**STACK EMISSION :**

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (Ton/TPD/KWh) | Velocity m/sec | Parameters mg/Nm$^3$ as per MPCB Consent | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| 1 | **Lime Calcination Plant 5,6,7** | | | | | | | | **Plant Capacity: 3600 TPD** | | | |
| 1 | Kiln -5 Stack | WHR System Kiln 5 | 62 | 1.4 | Bag Filters | Shut Down | | | | | | |
| | | | | | | 23/11/24 10:35 Hrs | 421 | 14 | 22 | 12 | 16 | 19 |
| | | | | | | 27/12/24 10:25 Hrs | 569 | 12 | 26 | 11 | 18 | 21 |
| | | | | | | 27/01/25 10:15 Hrs | 440 | 14 | 22 | 13 | 17 | 23 |
| | | | | | | 26/02/25 10:35 Hrs | 216 | 14 | 18 | 14 | 18 | 23 |
| | | | | | | 28/03/25 10:05 Hrs | 493 | 13 | 19 | 10 | 15 | 18 |
| 2 | Kiln -6 Stack | WHR System Kiln 6 | 62 | 1.4 | Bag Filters | 25/10/24 14:15 Hrs | 444 | 12 | 26 | 10 | 16 | 21 |
| | | | | | | 23/11/24 12:15 Hrs | 233 | 14 | 26 | 10 | 16 | 21 |
| | | | | | | 27/12/24 12:05 Hrs | 412 | 15 | 28 | 13 | 17 | 24 |
| | | | | | | 27/01/25 12:20 Hrs | 253 | 16 | 18 | 10 | 15 | 19 |
| | | | | | | 26/02/25 12:15 Hrs | 385.0 | 13 | 22 | 13 | 15 | 19 |
| | | | | | | 28/03/25 12:15 Hrs | 395 | 15 | 24 | 13 | 17 | 23 |
| 3 | Kiln -7 Stack | WHR System Kiln 7 | 62 | 1.4 | Bag Filters | 25/10/24 16:25 Hrs | 578 | 14 | 19 | 12 | 18 | 25 |
| | | | | | | 23/11/24 15:05 Hrs | 423 | 12 | 19 | 12 | 18 | 25 |
| | | | | | | 27/12/24 15:35 Hrs | 596 | 14 | 23 | 11 | 16 | 19 |
| | | | | | | 27/01/25 15:00 Hrs | 450 | 15 | 23 | 12 | 16 | 21 |
| | | | | | | 26/02/25 15:22 Hrs | 469 | 12 | 25 | 11 | 16 | 25 |
| | | | | | | 28/03/25 14:25 Hrs | 493 | 12 | 23 | 15 | 19 | 26 |
| 4 | LDE-1 (Kiln discharge - product) | common for kiln 5,6,7 | 35 | 1.2 | Bag Filters | 25/10/24 10:00 Hrs | 1022 | 5 | 13 | NA | NA | NA |
| | | | | | | 21/11/24 10:00 Hrs | 1002 | 5 | 13 | NA | NA | NA |
| | | | | | | 26/12/24 10:15 Hrs | 1290 | 4 | 16 | NA | NA | NA |
| | | | | | | 21/01/25 10:25 Hrs | 534 | 6 | 14 | NA | NA | NA |
| | | | | | | 05/02/25 11:25 Hrs | 778 | 4 | 12 | NA | NA | NA |
| | | | | | | 28/03/25 16:35 Hrs | 1381 | 6 | 13 | NA | NA | NA |

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish kumar Choudhary
General Manager Environment

**JSW STEEL LIMITED**
**Integrated Steel Mill Complex Phase II**
**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

**STACK EMISSION :**

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (Ton/TPD/KWh) | Velocity m/sec | Parameters mg/Nm$^3$ as per MPCB Consent | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| 5 | LDE-2 (Kiln feed building - raw material) | common for kiln 5,6,7 | 37 | 1.75 | Bag Filters | Shut Down | | | | | | |
| | | | | | | 21/11/24 14:15 Hrs | 1002 | 5 | 16 | NA | NA | NA |
| | | | | | | 15/12/24 10:35 Hrs | 1163 | 4 | 18 | NA | NA | NA |
| | | | | | | 18/01/25 15:35 Hrs | 1240 | 4 | 16 | NA | NA | NA |
| | | | | | | 22/02/25 10:35 Hrs | 1291 | 5 | 11 | NA | NA | NA |
| | | | | | | 15/03/25 14:45 Hrs | 995 | 4 | 15 | NA | NA | NA |
| 6 | LDE-3 (Junction house - raw material) | common for kiln 5,6,7 | 30 | 0.65 | Bag Filters | Shut Down | | | | | | |
| | | | | | | 21/11/24 15:15 Hrs | 1002 | 4 | 13 | NA | NA | NA |
| | | | | | | 26/12/24 12:35 Hrs | 1290 | 4 | 15 | NA | NA | NA |
| | | | | | | 21/01/25 14:10 Hrs | 534 | 4 | 15 | NA | NA | NA |
| | | | | | | 05/02/25 14:18 Hrs | 778 | 4 | 16 | NA | NA | NA |
| | | | | | | 15/03/25 10:35 Hrs | 995 | 4 | 16 | NA | NA | NA |
| 7 | LDE-4 (Product storage building) | common for kiln 5,6,7 | 35 | 1.35 | Bag Filters | 25/10/24 12:35 Hrs | 1022 | 5 | 17 | NA | NA | NA |
| | | | | | | 21/11/24 12:05 Hrs | 1002 | 5 | 18 | NA | NA | NA |
| | | | | | | 26/12/24 16:25 Hrs | 1290 | 5 | 19 | NA | NA | NA |
| | | | | | | 21/01/25 16:25 Hrs | 534 | 4 | 17 | NA | NA | NA |
| | | | | | | 05/02/24 16:05 Hrs | 778 | 4 | 18 | NA | NA | NA |
| | | | | | | 15/03/25 12:05 Hrs | 995 | 4 | 14 | NA | NA | NA |
| 8 | LDE-5 (Raw material storage building) | common for kiln 5,6,7 | 33 | 1.04 | Bag Filters | Shut Down | | | | | | |
| | | | | | | 23/11/24 16:45 Hrs | 1077 | 4 | 14 | NA | NA | NA |
| | | | | | | 15/12/24 12:25 Hrs | 1163 | 6 | 12 | NA | NA | NA |
| | | | | | | 18/01/25 11:25 Hrs | 1240 | 5 | 14 | NA | NA | NA |
| | | | | | | 22/02/25 14:40 Hrs | 1291.0 | 6 | 13 | NA | NA | NA |
| | | | | | | 15/03/25 16:45 Hrs | 995 | 4 | 13 | NA | NA | NA |
| | | | | | | | Norms | | 50 | 400 | 500 | |

Preapared By
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Manager (Environment)

Checked By
Satish kumar Choudhary
General Manager Environment

**JSW STEEL LIMITED**
**Integrated Steel Mill Complex Phase II**
**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

**STACK EMISSION :**

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (Ton/TPD/KWh) | Velocity m/sec | Parameters mg/Nm$^3$ as per MPCB Consent | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| **II** | **Pellet Plant II** | | | | | | | | | | | |
| 1 | Process ESP Stack | Process ESP | 100 | 9.7 | Electrostatic Precipitators | 01/10/24 14:25 Hrs | 17147 | 22 | 31 | 17 | 26 | 36 |
| | | | | | | 22/11/24 14:35 Hrs | 19738 | 19 | 28 | 15 | 18 | 28 |
| | | | | | | 25/12/24 10:25 Hrs | 20121 | 22 | 34 | 18 | 21 | 42 |
| | | | | | | 20/01/25 10:35 Hrs | 18722 | 18 | 28 | 16 | 24 | 38 |
| | | | | | | 24/02/25 10:40 Hrs | 20853 | 36 | 28 | 23 | 28 | 33 |
| | | | | | | 17/03/25 10:25 Hrs | 19366 | 23 | 33 | 16 | 23 | 42 |
| 2 | De Dusting ESP Stack | De Dusting ESP | 50 | 2.6 | Electrostatic Precipitators | 01/10/24 16:15 Hrs | 17147 | 16 | 16 | 16 | 21 | 25 |
| | | | | | | 22/11/24 14:35 Hrs | 19738 | 19 | 28 | 15 | 18 | 28 |
| | | | | | | 25/12/24 12:35 Hrs | 20121 | 15 | 16 | 15 | 16 | 24 |
| | | | | | | 20/01/25 14:15 Hrs | 18722 | 14 | 19 | 14 | 18 | 21 |
| | | | | | | 24/02/25 12:20 Hrs | 20853 | 15 | 18 | 16 | 19 | 28 |
| | | | | | | 17/03/25 12:35 Hrs | 19366 | 10 | 17 | 13 | 16 | 20 |
| 3 | Storage Bin Stack | Pellet Storage Bin | 45 | 2.2 | Bag Filters | Shut Down | | | | | | |
| | | | | | | 22/11/24 16:15 Hrs | 19738 | 14 | 15 | 13 | 19 | 22 |
| | | | | | | 25/12/24 16:15 Hrs | 20121 | 6 | 18 | NA | NA | NA |
| | | | | | | 20/01/25 16:00 Hrs | 18722 | 6 | 16 | NA | NA | NA |
| | | | | | | 24/02/25 15:30 Hrs | 20853 | 6 | 14 | NA | NA | NA |
| | | | | | | 17/03/25 15:45 Hrs | 19366 | 7 | 17 | NA | NA | NA |
| | *NA-Not Applicable | | | | | | Norms | | 50.0 | 500 | 500 | |
| **III** | **SMS -2** | | | | | | **Plant Capacity: 6.0 MTPA** | | | | | |
| 1 | Secondary De-Dusting Stack | Secondary De System | 98.5 | 8 | Bag Filters | 05/10/24 11:15Hrs | 11347 | 12 | 26 | 16 | 20 | 25 |
| | | | | | | 09/11/24 11:25 Hrs | 15116 | 11 | 28 | 14 | 17 | 23 |
| | | | | | | 24/12/24 16:45 Hrs | 12663 | 14 | 33 | 15 | 18 | 21 |
| | | | | | | 20/01/25 11:30 Hrs | 15338 | 20 | 28 | 17 | 19 | 24 |
| | | | | | | 09/02/25 11:22 Hrs | 15981 | 20 | 26 | 18 | 24 | 28 |
| | | | | | | 18/03/25 10:35 Hrs | 10292 | 23 | 28 | 15 | 21 | 29 |
| | *NA-Not Applicable | | | | | | Norms | | 50.0 | 500.0 | 500 | |

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Checked By
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General Manager Environment

**JSW STEEL LIMITED**
**Integrated Steel Mill Complex Phase II**
**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

**STACK EMISSION :**

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (Ton/TPD/KWh) | Velocity m/sec | Parameters mg/Nm$^3$ as per MPCB Consent | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| **IV** | **HSM Plant-2** | | | | | | **Plant Capacity: 5.0 MTPA** | | | | | |
| 1 | Reheating Furnace Stack -1 | Reheating Furnace | 82 | 3.98 | blower | 04/10/24 10:25Hrs | 5775 | 12 | 11 | 14 | 16 | 23 |
| | | | | | | 05/11/24 10:05 Hrs | 8722 | 13 | 14 | 16 | 18 | 21 |
| | | | | | | 21/12/24 10:15 Hrs | 11256 | 14 | 16 | 15 | 21 | 28 |
| | | | | | | 02/01/25 10:25 Hrs | 8510 | 14 | 10 | 14 | 18 | 31 |
| | | | | | | 12/02/25 10:20 Hrs | 13689 | 14 | 10 | 15 | 20 | 24 |
| | | | | | | 11/03/25 11:35 Hrs | 13428 | 15.9 | 12 | 12 | 15 | 19 |
| 2 | Reheating Furnace Stack -2 | Reheating Furnace | 82 | 3.98 | blower | 04/10/24 12:35Hrs | 5775 | 13.8 | 13 | 16 | 19 | 26 |
| | | | | | | 05/11/24 12:15 Hrs | 8722 | 10.2 | 15 | 12 | 16 | 25 |
| | | | | | | 21/12/24 12:35 Hrs | 11256 | 12 | 18 | 16 | 19 | 21 |
| | | | | | | 02/01/25 12:15 Hrs | 8510 | 14 | 12 | 14 | 15 | 23 |
| | | | | | | 12/02/25 12:00 Hrs | 13689 | 15 | 9 | 13 | 17 | 26 |
| | | | | | | 11/03/25 12:05 Hrs | 13428 | 15 | 10 | 13 | 17 | 21 |
| 3 | Fume Exhaust Stack | Fume Exhaust | 30.5 | 2.55 | blower | 04/10/24 16:45Hrs | 5775 | 7 | 12 | 13 | 17 | 28 |
| | | | | | | 05/11/24 15:25 Hrs | 8722 | 6 | 10 | 10 | 14 | 22 |
| | | | | | | 21/12/24 15:25 Hrs | 11256 | 7 | 13 | 12 | 14 | 18 |
| | | | | | | 02/01/25 16:35 Hrs | 8510 | 7 | 10 | 10 | 17 | 22 |
| | | | | | | 12/02/25 16:15 Hrs | 13689 | 6 | 9 | 10 | 16 | 20 |
| | | | | | | 11/03/25 14:30 Hrs | 13428 | 7 | 11 | 11 | 16 | 22 |
| | *NA-Not Applicable | | | | | | Norms | | 50.0 | 500.0 | 500 | |
| **V** | **Blast Furnace Plant (II)** | | | | | | **Plant Capacity: 2.8 MTPA** | | | | | |
| 1 | Cast House Dedusting System | Cast House | 71 | 6.4 | Bag Filters | 05/10/24 10:25 Hrs | 10896 | 19.0 | 19 | NA | NA | NA |
| | | | | | | 19/11/24 10:25 Hrs | 13989 | 17.5 | 25 | NA | NA | NA |
| | | | | | | 19/12/24 10:05 Hrs | 8963 | 19 | 25 | NA | NA | NA |
| | | | | | | 22/01/25 10:15 Hrs | 10031 | 22 | 28 | NA | NA | NA |
| | | | | | | 02/02/25 11:05 Hrs | 14266 | 20 | 17 | NA | NA | NA |
| | | | | | | 18/03/25 12:45 Hrs | 13918 | 23 | 26 | NA | NA | NA |

Preapared By
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Manager (Environment)

Checked By
Satish kumar Choudhary
General Manager Environment

**JSW STEEL LIMITED**
**Integrated Steel Mill Complex Phase II**
**Geetapuram, Dolvi, Tal - Pen, Dist - Raigad**

**STACK EMISSION :**

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit during the monitoring period (Ton/TPD/KWh) | Velocity m/sec | Parameters mg/Nm$^3$ as per MPCB Consent | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| 2 | Stock House De System Stack-1 | Stock House | 71 | 6.25 | Bag Filters | 14/10/24 10:45 Hrs | 9012 | 15 | 25 | NA | NA | NA |
| | | | | | | 19/11/24 12:05 Hrs | 13989 | 15 | 28 | NA | NA | NA |
| | | | | | | 19/12/24 12:00Hrs | 3963 | 16 | 33 | NA | NA | NA |
| | | | | | | 22/01/25 12:20 Hrs | 10031 | 17 | 36 | NA | NA | NA |
| | | | | | | 23/02/25 14:35 Hrs | 14515 | 26 | 21 | NA | NA | NA |
| | | | | | | 19/03/25 14:30 Hrs | 13952 | 18 | 33 | NA | NA | NA |
| 3 | Stock House De System Stack-2 | Stock House | 45 | 2.7 | Bag Filters | 14/10/24 11:55 Hrs | 9012 | 10 | 22 | NA | NA | NA |
| | | | | | | 19/11/24 15:45 Hrs | 13989 | 13 | 21 | NA | NA | NA |
| | | | | | | 19/12/24 14:25 Hrs | 3963 | 10 | 25 | NA | NA | NA |
| | | | | | | 22/01/25 15:00 Hrs | 10031 | 12 | 24 | NA | NA | NA |
| | | | | | | 23/02/25 12:15 Hrs | 14515 | 9 | 26 | NA | NA | NA |
| | | | | | | 19/03/25 12:30 Hrs | 13952 | 13 | 25 | NA | NA | NA |
| 4 | Stock House De System Stack-3 | Stock House | 45 | 1.35 | Bag Filters | 14/10/24 14:30 Hrs | 9012 | 8 | 20 | NA | NA | NA |
| | | | | | | 20/11/24 10:15 Hrs | 14016 | 8 | 16 | NA | NA | NA |
| | | | | | | 19/12/24 16:25 Hrs | 3963 | 7 | 18 | NA | NA | NA |
| | | | | | | 22/01/25 16:30 Hrs | 10031 | 8 | 21 | NA | NA | NA |
| | | | | | | 23/02/25 16:25 Hrs | 14515.0 | 5 | 24 | NA | NA | NA |
| | | | | | | 19/03/25 10:00 Hrs | 13952 | 7 | 26 | NA | NA | NA |
| 5 | Coal Injection Stack | Coal Grinding Unit | 72.5 | 2.8 | Bag Filters | 05/10/24 14:35 Hrs | 10896 | 7 | 16 | NA | NA | NA |
| | | | | | | 20/11/24 12:25 Hrs | 14016 | 7 | 18 | NA | NA | NA |
| | | | | | | 23/12/24 12:25 Hrs | 13521 | 8 | 21 | NA | NA | NA |
| | | | | | | 25/01/25 10:30 Hrs | 9821 | 8 | 26 | NA | NA | NA |
| | | | | | | 03/02/25 10:28 Hrs | 14038.0 | 7 | 17 | NA | NA | NA |
| | | | | | | 20/03/25 10:40 Hrs | 13815 | 8 | 28 | NA | NA | NA |
| 6 | Pig Iron Granulation Stack | Pig Iron Granulation | 35 | 1 | Bag Filters | 05/10/24 16:55 Hrs | 10896 | 6 | 13 | NA | NA | NA |
| | | | | | | 20/11/24 16:00 Hrs | 14016 | 4 | 14 | NA | NA | NA |
| | | | | | | 23/12/24 15:35 Hrs | 13521 | 6 | 16 | NA | NA | NA |
| | | | | | | 25/01/25 12:15 Hrs | 9821 | 4 | 12 | NA | NA | NA |
| | | | | | | 03/02/25 14:45 Hrs | 14038 | 5 | 7 | NA | NA | NA |
| | | | | | | 20/03/25 12:30 Hrs | 13815 | 6 | 15 | NA | NA | NA |

Preapared By
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Manager (Environment)

Checked By
Satish kumar Choudhary
General Manager Environment

# JSW STEEL LIMITED
## Integrated Steel Mill Complex Phase II
### Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

**STACK EMISSION :**

| Sr. No. | Name of the Plant and Stack | Stack connected to (Name of the Unit ) | Height of the Stack (m) | Diameter of the Stack (m) | Pollution Control unit provided | Date & time of Monitoring | Production fig. of the unit, during the monitoring period (Ton/TPD/KWh) | Velocity m/sec | Parameters mg/Nm$^3$ as per MPCB Consent | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Particulate Matter (PM) | $SO_2$ | NOx | CO |
| | | | | | | | Norms | | 50.00 | | | |
| 7 | Stove stack | Stove Unit | 80 | 4.28 | | 08/10/24 16:10 Hrs | 10896 | 14 | 11 | 19 | 23 | 38 |
| | | | | | | 25/11/24 11:00 Hrs | 14012 | 15 | 9 | 17 | 19 | 31 |
| | | | | | | 24/12/24 15:35 Hrs | 13564 | 16 | 10 | 15 | 21 | 38 |
| | | | | | | 25/01/25 16:20 Hrs | 9821 | 15 | 11 | 16 | 19 | 41 |
| | | | | | | 02/02/25 15:25 Hrs | 14266 | 17 | 10 | 18 | 21 | 32 |
| | | | | | | 18/03/25 14:05 Hrs | 13918 | 14 | 12 | 15 | 17 | 33 |
| | | | | | | | Norms | | 30.00 | 250.00 | 200.00 | |
| **VI** | **175 MW CPP** | | | | | | | | | | | |
| 1 | Boiler Stack | Boiler | 58 | 4.75 | Blower | 08/10/24 12:10 Hrs | 1066 | 12 | 11 | 14 | 16 | 29 |
| | | | | | | 25/11/24 14:10 Hrs | 982 | 14 | 8 | 16 | 19 | 26 |
| | | | | | | 24/12/24 10:25 Hrs | 884 | 14 | 9 | 15 | 21 | 28 |
| | | | | | | 03/01/25 16:25 Hrs | 723 | 12 | 10 | 14 | 18 | 26 |
| | | | | | | 09/02/25 15:00 Hrs | 1026 | 10 | 4 | 16 | 19 | 26 |
| | | | | | | 27/03/25 11:45 Hrs | 1100 | 16 | 5 | 16 | 18 | 25 |
| | *NA-Not Applicable | | | | | | Norms | | 50.0 | NA | NA | |
| **Incinerator Plant** | | | | | | | | | | | | |
| 1 | Incinerator Stack | | 29.5 | 0.4 | | 29/10/24 15:15 Hrs | 4035 | 7.2 | 14 | NA | NA | NA |
| | | | | | | 25/11/24 16:20 Hrs | 4033 | 6.8 | 17 | NA | NA | NA |
| | | | | | | 24/12/24 12:25 Hrs | 2119 | 6.8 | 11 | NA | NA | NA |
| | | | | | | 03/01/25 12:25 Hrs | 4106 | 5.6 | 14 | NA | NA | NA |
| | | | | | | 14/02/25 14:32 Hrs | 4254 | 4.3 | 14 | NA | NA | NA |
| | | | | | | 27/03/25 12:05 Hrs | 3753 | 6.6 | 20 | NA | NA | NA |
| | | | | | | | Norms | | 50.0 | 300.0 | 400 | |

Preapared By
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Manager (Environment)

Checked By
Satish kumar Choudhary
General Manager Environment

# JSW STEEL LIMITED
## Integrated Steel Mill Complex Phase II
## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

| FUGITIVE EMISSION STATUS: | | | | | |
|---|---|---|---|---|---|
| Sr. No. | Location of the Station | Date & Time of Monitoring | Parmeters (µg/m 3) | | |
| | | | PM10 | $SO_2$ | $NO_X$ |
| A | Steel Melt Shop -II | | | | |
| | Norms (µg/m 3) | | 2000 | 200 | 150 |
| 1 | Near Convertor 1&2 | 05-10-2024 | 1691 | 7 | 48 |
| | | 23-11-2024 | 1781 | 7 | 45 |
| | | 25-12-2024 | 1539 | 6 | 25 |
| | | 20-01-2025 | 1852 | 7 | 27 |
| | | 20-02-2025 | 1640 | 6 | 30 |
| | | 21-03-2025 | 1870 | 7 | 30 |
| 2 | Near LF | 07-10-2024 | 1730 | 8 | 27 |
| | | 23-11-2024 | 1740 | 9 | 26 |
| | | 25-12-2024 | 1498 | 7 | 26 |
| | | 20-01-2025 | 1870 | 9 | 25 |
| | | 20-02-2025 | 1197 | 8 | 29 |
| | | 21-03-2025 | 1759 | 9 | 27 |
| 3 | Near Caster 1&2 | 05-10-2024 | 1665 | 7 | 30 |
| | | 23-11-2024 | 1853 | 7 | 27 |
| | | 25-12-2024 | 1569 | 8 | 22 |
| | | 20-01-2025 | 1890 | 8 | 27 |
| | | 21-02-2025 | 1206 | 7 | 25 |
| | | 21-03-2025 | 1816 | 7 | 29 |
| 4 | Near Secondary De-dusting Bag House | 07-10-2024 | 1857 | 8 | 27 |
| | | 23-11-2024 | 1756 | 6 | 30 |
| | | 25-12-2024 | 1608 | 5 | 19 |
| | | 20-01-2025 | 1776 | 7 | 30 |
| | | 21-02-2025 | 1866 | 7 | 32 |
| | | 21-03-2025 | 1604 | 6 | 32 |
| 5 | Near ESP | 07-10-2024 | 1647 | 7 | 19 |
| | | 25-11-2024 | 1741 | 6 | 19 |
| | | 26-12-2024 | 1575 | 6 | 25 |
| | | 21-01-2025 | 1639 | 7 | 22 |
| | | 21-02-2025 | 1865 | 6 | 28 |
| | | 22-03-2025 | 1638 | 7 | 24 |
| 6 | Near Slag Handling Unit | 08-10-2024 | 1742 | 7 | 23 |
| | | 25-11-2024 | 1716 | 8 | 23 |
| | | 26-12-2024 | 1605 | 6 | 23 |
| | | 21-01-2025 | 1696 | 8 | 24 |

Preapared by
Dr.P.P.Nandusekar
Manager Environment

Checked by
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General Manager Environment

# JSW STEEL LIMITED
## Integrated Steel Mill Complex Phase II
## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

**FUGITIVE EMISSION STATUS:**

| Sr. No. | Location of the Station | Date & Time of Monitoring | Parmeters (µg/m 3) | | |
|---|---|---|---|---|---|
| | | | PM10 | $SO_2$ | $NO_X$ |
| | | 21-02-2025 | 1733 | 6 | 27 |
| | | 22-03-2025 | 1831 | 8 | 28 |
| B | **Blast Furnace Plant-II** | | | | |
| | **Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Near Stock House De System | 04-10-2024 | 1855 | 6 | 24 |
| | | 27-11-2024 | 1898 | 6 | 25 |
| | | 28-12-2024 | 1731 | 6 | 25 |
| | | 23-01-2025 | 1854 | 6 | 25 |
| | | 22-02-2025 | 1837 | 6 | 23 |
| | | 25-03-2025 | 1855 | 6 | 24 |
| 2 | Near GCP Area | 04-10-2024 | 1710 | 7 | 32 |
| | | 27-11-2024 | 1852 | 7 | 29 |
| | | 28-12-2024 | 1455 | 8 | 29 |
| | | 23-01-2025 | 1834 | 6 | 30 |
| | | 24-02-2025 | 1697 | 7 | 29 |
| | | 25-03-2025 | 1606 | 6 | 27 |
| 3 | Near Cast House De System | 05-10-2024 | 1810 | 8 | 32 |
| | | 27-11-2024 | 1802 | 9 | 34 |
| | | 28-12-2024 | 1603 | 8 | 22 |
| | | 23-01-2025 | 1884 | 8 | 35 |
| | | 22-02-2025 | 1839 | 8 | 34 |
| | | 25-03-2025 | 1890 | 8 | 35 |
| 4 | Near Cast House East | 04-10-2024 | 1898 | 7 | 30 |
| | | 27-11-2024 | 1809 | 6 | 29 |
| | | 28-12-2024 | 1601 | 6 | 20 |
| | | 23-01-2025 | 1794 | 7 | 24 |
| | | 22-02-2025 | 1590 | 6 | 27 |
| | | 25-03-2025 | 1709 | 8 | 23 |
| 5 | Near Cast House West | 04-10-2024 | 1782 | 7 | 27 |
| | | 28-11-2024 | 1757 | 6 | 32 |
| | | 28-12-2024 | 1549 | 6 | 25 |
| | | 24-01-2025 | 1764 | 8 | 25 |
| | | 24-02-2025 | 1668 | 7 | 26 |

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Checked by
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General Manager Environment

# JSW STEEL LIMITED
## Integrated Steel Mill Complex Phase II
## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

**FUGITIVE EMISSION STATUS:**

| Sr. No. | Location of the Station | Date & Time of Monitoring | Parmeters (µg/m 3) | | |
|---|---|---|---|---|---|
| | | | PM10 | $SO_2$ | $NO_X$ |
| | | 26-03-2025 | 1767 | 8 | 29 |
| 6 | Near PCI-2 | 05-10-2024 | 1879 | 6 | 22 |
| | | 28-11-2024 | 1823 | 4 | 22 |
| | | 30-12-2024 | 1227 | 5 | 23 |
| | | 24-01-2025 | 1617 | 5 | 23 |
| | | 22-02-2025 | 1761 | 6 | 24 |
| | | 26-03-2025 | 1644 | 6 | 22 |
| 7 | Near Pig Granulation Plant | 05-10-2024 | 1712 | 5 | 26 |
| | | 28-11-2024 | 1833 | 5 | 27 |
| | | 30-12-2024 | 1208 | 4 | 26 |
| | | 24-01-2025 | 1791 | 6 | 24 |
| | | 24-02-2025 | 1694 | 5 | 25 |
| | | 26-03-2025 | 1613 | 5 | 26 |
| **C** | **Hot Strip Mill-II** | | | | |
| | **Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Near Reheating Furnace 1&2 | 07-10-2024 | 1799 | 5 | 29 |
| | | 25-11-2024 | 1839 | 6 | 31 |
| | | 26-12-2024 | 1461 | 5 | 31 |
| | | 21-01-2025 | 1788 | 6 | 31 |
| | | 20-02.2025 | 1359 | 5 | 29 |
| | | 22-03-2025 | 1820 | 5 | 30 |
| 2 | Near down Coiler | 08-10-2024 | 1834 | 7 | 27 |
| | | 25-11-2024 | 1686 | 7 | 29 |
| | | 26-12-2024 | 1686 | 7 | 32 |
| | | 21-01-2025 | 1610 | 6 | 19 |
| | | 20-02-2025 | 1610 | 6 | 29 |
| | | 22-03-2025 | 1778 | 8 | 22 |
| **D** | **LCP -567** | | | | |
| | **Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Near Likn 5 6 7 Lime De dusting System area | 01-10-2024 | 1983 | 6 | 25 |
| | | 26-11-2024 | 1850 | 6 | 24 |
| | | 27-12-2024 | 1535 | 7 | 24 |
| | | 22-01-2025 | 1721 | 6 | 26 |
| | | 19-02-2025 | 1782 | 7 | 28 |
| | | 24-03-2025 | 1689 | 6 | 27 |
| 2 | Near Product Storage & Quick Lime Building | 01-10-2024 | 1898 | 7 | 21 |
| | | 26-11-2024 | 1814 | 6 | 25 |
| | | 27-12-2024 | 1258 | 4 | 19 |
| | | 22-01-2025 | 1791 | 7 | 23 |
| | | 19-02-2025 | 1873 | 6 | 24 |

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Manager Environment

Checked by
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General Manager Environment

# JSW STEEL LIMITED
## Integrated Steel Mill Complex Phase II
## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

| FUGITIVE EMISSION STATUS: | | | | | |
|---|---|---|---|---|---|
| **Sr. No.** | **Location of the Station** | **Date & Time of Monitoring** | **Parmeters (µg/m 3)** | | |
| | | | **PM10** | **$SO_2$** | **$NO_X$** |
| | | 24-03-2025 | 1881 | 7 | 24 |
| 3 | Lime Stone Feeding Building LCP - 567 | 01-10-2024 | 1858 | 7 | 31 |
| | | 26-11-2024 | 1773 | 7 | 28 |
| | | 27-12-2024 | 1588 | 7 | 17 |
| | | 22-01-2025 | 1873 | 6 | 29 |
| | | 19-02-2025 | 1812 | 6 | 30 |
| | | 24-03-2025 | 1679 | 7 | 28 |
| 4 | Near ECR Building | 01-10-2024 | 1870 | 6 | 32 |
| | | 26-11-2024 | 1809 | 7 | 29 |
| | | 27-12-2024 | 1420 | 6 | 21 |
| | | 22-01-2025 | 1827 | 6 | 21 |
| | | 19-02-2025 | 1867 | 5 | 23 |
| | | 24-03-2025 | 1684 | 6 | 23 |
| **E** | **Pellet Plant -II** | | | | |
| | **Norms (µg/m 3)** | | **2000** | **200** | **150** |
| 1 | Near Additive Storage Yard | 08-10-2024 | 1966 | 8 | 24 |
| | | 29-11-2024 | 1797 | 8 | 21 |
| | | 30-12-2024 | 1427 | 7 | 21 |
| | | 25-01-2025 | 1739 | 8 | 27 |
| | | 25-02-2025 | 1515 | 8 | 29 |
| | | 27-03-2025 | 1678 | 8 | 26 |
| 2 | Near VRM at Zero Level | 09-10-2024 | 1837 | 6 | 22 |
| | | 29-11-2024 | 1796 | 6 | 27 |
| | | 30-12-2024 | 1426 | 7 | 21 |
| | | 25-01-2025 | 1820 | 6 | 23 |
| | | 25-02-2025 | 1899 | 5 | 25 |
| | | 27-03-2025 | 1465 | 7 | 25 |
| 3 | Near Mixer Bulding | 08-10-2024 | 1792 | 9 | 30 |
| | | 29-11-2024 | 1837 | 9 | 32 |
| | | 30-12-2024 | 1269 | 7 | 19 |
| | | 25-01-2025 | 1849 | 9 | 29 |
| | | 25-02-2025 | 1741 | 7 | 29 |
| | | 27-03-2025 | 1892 | 9 | 26 |
| 4 | Near Induration Machine at Zero Level | 09-10-2024 | 1623 | 8 | 35 |
| | | 29-11-2024 | 1757 | 9 | 36 |
| | | 31-12-2024 | 1572 | 7 | 32 |
| | | 25-01-2025 | 1823 | 9 | 25 |
| | | 25-02-2025 | 1744 | 7 | 28 |
| | | 27-03-2025 | 1733 | 9 | 27 |
| | | 09-10-2024 | 1912 | 7 | 27 |
| | | 30-11-2024 | 1849 | 6 | 29 |

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Manager Environment

Checked by
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General Manager Environment

# JSW STEEL LIMITED
## Integrated Steel Mill Complex Phase II
## Geetapuram, Dolvi, Tal - Pen, Dist - Raigad

**FUGITIVE EMISSION STATUS:**

| Sr. No. | Location of the Station | Date & Time of Monitoring | Parmeters (µg/m 3) | | |
|---|---|---|---|---|---|
| | | | PM10 | $SO_2$ | $NO_X$ |
| 5 | Near De dusting ESP area | 31-12-2024 | 1479 | 6 | 29 |
| | | 27-01-2024 | 1763 | 7 | 31 |
| | | 26-02-2025 | 1471 | 6 | 28 |
| | | 28-03-2025 | 1589 | 7 | 29 |
| 6 | Near Product Storage Bulding | 09-10-2024 | 1864 | 7 | 28 |
| | | 30-11-2024 | 1864 | 7 | 30 |
| | | 31-12-2024 | 1633 | 7 | 30 |
| | | 27-01-2024 | 1848 | 7 | 31 |
| | | 26-02-2025 | 1777 | 7 | 32 |
| | | 28-03-2025 | 1870 | 6 | 32 |

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Checked by
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General Manager Environment

**D. STATUS OF CONSENT:**

| S. No. | Acts | Consent Number | Valid w. e. f. | Validity upto |
|---|---|---|---|---|
| I | Under Section 26 of the Water (Prevention and Control of Pollution) Act, 1974<br>Under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981<br>and authorisation under rule 5 of the Hazardous Wastes (Management, Handling & Transboundry Movement) Rules, 2016 | **JSW Steel plant - Integreated Steel Plant Capacity 5 to 10 MTPA**<br>Fomat 1.0/CAC / UAN No.-0000204020/CR/2503001220 dated 08/03/2025 | 01/05/2022 | 30-04-2028. |

Prepared By
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Checked By
Satish kumar Choudhary
Genral Manager(Environment)

**E. NOISE POLLUTION CONTROL STATUS:**

| Sr.No | Location | Distance from the Source (m) | Date of Monitoring | Noise Level Leq. dB(A) | |
|---|---|---|---|---|---|
| | | | | Day | Night |
| | | | | dB(A) | dB(A) |
| A | **Hot Strip Mill-II** | | | | |
| 1 | Near Reheting Furnce -1 | 5 | 15-10-2024 | 83 | 81 |
| | | | 23-10-2024 | 82 | 80 |
| | | | 08-11-2024 | 82 | 80 |
| | | | 21-11-2024 | 81 | 79 |
| | | | 12-12-2024 | 84 | 82 |
| | | | 27-12-2024 | 83 | 81 |
| | | | 08-01-2025 | 81 | 80 |
| | | | 20-01-2025 | 82 | 80 |
| | | | 07-02-2025 | 82 | 80 |
| | | | 17-02-2025 | 81 | 79 |
| | | | 08-03-2025 | 81 | 80 |
| | | | 26-03-2025 | 82 | 80 |
| 2 | Near Reheting Furnce-2 | 5 | 15-10-2024 | 80 | 78 |
| | | | 23-10-2024 | 78 | 77 |
| | | | 08-11-2024 | 80 | 78 |
| | | | 21-11-2024 | 79 | 77 |
| | | | 12-12-2024 | 81 | 73 |
| | | | 27-12-2024 | 79 | 78 |
| | | | 08-01-2025 | 79 | 77 |
| | | | 20-01-2025 | 78 | 76 |
| | | | 07-02-2025 | 80 | 78 |
| | | | 17-02-2025 | 79 | 77 |
| | | | 08-03-2025 | 79 | 77 |
| | | | 26-03-2025 | 78 | 76 |
| 3 | Near CA fan Reheting Furnce-1 | 5 | 15-10-2024 | 83 | 79 |
| | | | 23-10-2024 | 81 | 78 |
| | | | 08-11-2024 | 82 | 79 |
| | | | 21-11-2024 | 81 | 80 |
| | | | 12-12-2024 | 84 | 80 |
| | | | 27-12-2024 | 82 | 79 |
| | | | 08-01-2025 | 81 | 80 |
| | | | 20-01-2025 | 82 | 81 |
| | | | 07-02-2025 | 82 | 79 |
| | | | 17-02-2025 | 81 | 80 |
| | | | 08-03-2025 | 81 | 80 |
| | | | 26-03-2025 | 82 | 81 |
| 4 | Near CA fan Reheting Furnce-2 | 5 | 15-10-2024 | 82 | 76 |
| | | | 23-10-2024 | 80 | 78 |
| | | | 08-11-2024 | 80 | 76 |
| | | | 21-11-2024 | 79 | 75 |
| | | | 12-12-2024 | 83 | 77 |
| | | | 27-12-2024 | 81 | 79 |
| | | | 08-01-2025 | 82 | 78 |
| | | | 20-01-2025 | 80 | 80 |
| | | | 07-02-2025 | 80 | 76 |
| | | | 17-02-2025 | 79 | 75 |
| | | | 08-03-2025 | 82 | 78 |
| | | | 26-03-2025 | 80 | 80 |
| 5 | Near Hydrllic room Reheting furnce -1 | 5 | 15-10-2024 | 72 | 70 |
| | | | 23-10-2024 | 74 | 70 |
| | | | 08-11-2024 | 72 | 69 |
| | | | 21-11-2024 | 74 | 67 |
| | | | 12-12-2024 | 73 | 71 |
| | | | 27-12-2024 | 75 | 72 |
| | | | 08-01-2025 | 73 | 70 |
| | | | 20-01-2025 | 75 | 72 |
| | | | 07-02-2025 | 72 | 69 |
| | | | 17-02-2025 | 74 | 67 |
| | | | 08-03-2025 | 73 | 70 |
| | | | 26-03-2025 | 75 | 72 |

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Checked By
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Genral Manager(Environment)

| | | | | | |
|---|---|---|---|---|---|
| 6 | Near Hydrllic room Reheting furnce -2 | 5 | 15-10-2024 | 79 | 77 |
| | | | 23-10-2024 | 81 | 79 |
| | | | 08-11-2024 | 79 | 77 |
| | | | 21-11-2024 | 81 | 79 |
| | | | 12-12-2024 | 80 | 78 |
| | | | 27-12-2024 | 82 | 80 |
| | | | 08-01-2025 | 80 | 75 |
| | | | 20-01-2025 | 82 | 80 |
| | | | 07-02-2025 | 79 | 77 |
| | | | 17-02-2025 | 81 | 79 |
| | | | 08-03-2025 | 80 | 75 |
| | | | 26-03-2025 | 82 | 80 |
| 7 | Near Reheting furnce controle room | 5 | 15-10-2024 | 78 | 75 |
| | | | 23-10-2024 | 80 | 73 |
| | | | 08-11-2024 | 77 | 75 |
| | | | 21-11-2024 | 79 | 73 |
| | | | 12-12-2024 | 79 | 76 |
| | | | 27-12-2024 | 81 | 74 |
| | | | 08-01-2025 | 78 | 77 |
| | | | 20-01-2025 | 80 | 74 |
| | | | 07-02-2025 | 77 | 75 |
| | | | 17-02-2025 | 79 | 73 |
| | | | 08-03-2025 | 78 | 77 |
| | | | 26-03-2025 | 80 | 74 |
| 8 | Near 7 stand mill | 5 | 15-10-2024 | 81 | 74 |
| | | | 23-10-2024 | 83 | 80 |
| | | | 08-11-2024 | 80 | 74 |
| | | | 21-11-2024 | 82 | 80 |
| | | | 12-12-2024 | 82 | 75 |
| | | | 27-12-2024 | 84 | 81 |
| | | | 08-01-2025 | 82 | 76 |
| | | | 20-01-2025 | 81 | 78 |
| | | | 07-02-2025 | 80 | 74 |
| | | | 17-02-2025 | 82 | 80 |
| | | | 08-03-2025 | 82 | 76 |
| | | | 26-03-2025 | 81 | 78 |
| 9 | Near Mill controle Room | 5 | 15-10-2024 | 75 | 73 |
| | | | 23-10-2024 | 77 | 75 |
| | | | 08-11-2024 | 80 | 74 |
| | | | 21-11-2024 | 82 | 80 |
| | | | 12-12-2024 | 82 | 75 |
| | | | 27-12-2024 | 84 | 81 |
| | | | 08-01-2025 | 82 | 76 |
| | | | 20-01-2025 | 81 | 78 |
| | | | 07-02-2025 | 75 | 73 |
| | | | 17-02-2025 | 77 | 75 |
| | | | 08-03-2025 | 76 | 74 |
| | | | 26-03-2025 | 78 | 76 |
| 10 | Roll Shop | 5 | 15-10-2024 | 82 | 80 |
| | | | 23-10-2024 | 80 | 77 |
| | | | 08-11-2024 | 82 | 80 |
| | | | 21-11-2024 | 80 | 77 |
| | | | 12-12-2024 | 83 | 81 |
| | | | 27-12-2024 | 81 | 78 |
| | | | 08-01-2025 | 80 | 79 |
| | | | 20-01-2025 | 82 | 79 |
| | | | 07-02-2025 | 82 | 80 |
| | | | 17-02-2025 | 80 | 77 |
| | | | 08-03-2025 | 80 | 79 |
| | | | 26-03-2025 | 82 | 79 |
| 11 | Near Motor House & ECR ( Mill area) | 5 | 15-10-2024 | 78 | 75 |
| | | | 23-10-2024 | 80 | 74 |
| | | | 08-11-2024 | 76 | 75 |
| | | | 21-11-2024 | 78 | 74 |
| | | | 12-12-2024 | 79 | 76 |
| | | | 27-12-2024 | 81 | 75 |
| | | | 08-01-2025 | 77 | 76 |
| | | | 20-01-2025 | 79 | 75 |
| | | | 07-02-2025 | 76 | 75 |
| | | | 17-02-2025 | 78 | 74 |
| | | | 08-03-2025 | 77 | 76 |
| | | | 26-03-2025 | 79 | 75 |

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Checked By
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| | | | | | |
|---|---|---|---|---|---|
| 12 | Near Mesuring House ( Mill aren) | 5 | 15-10-2024 | 76 | 70 |
| | | | 23-10-2024 | 74 | 72 |
| | | | 08-11-2024 | 72 | 70 |
| | | | 21-11-2024 | 74 | 72 |
| | | | 12-12-2024 | 77 | 71 |
| | | | 27-12-2024 | 75 | 73 |
| | | | 08-01-2025 | 73 | 71 |
| | | | 20-01-2025 | 75 | 73 |
| | | | 07-02-2025 | 72 | 70 |
| | | | 17-02-2025 | 74 | 72 |
| | | | 08-03-2025 | 73 | 71 |
| | | | 26-03-2025 | 75 | 73 |
| 13 | Near Pulpit down coiler area | 5 | 15-10-2024 | 71 | 68 |
| | | | 23-10-2024 | 73 | 71 |
| | | | 08-11-2024 | 71 | 68 |
| | | | 21-11-2024 | 73 | 71 |
| | | | 12-12-2024 | 72 | 69 |
| | | | 27-12-2024 | 74 | 72 |
| | | | 08-01-2025 | 72 | 69 |
| | | | 20-01-2025 | 74 | 72 |
| | | | 07-02-2025 | 71 | 68 |
| | | | 17-02-2025 | 73 | 71 |
| | | | 08-03-2025 | 72 | 69 |
| | | | 26-03-2025 | 74 | 72 |
| 14 | Coil yard area. | 5 | 15-10-2024 | 72 | 67 |
| | | | 23-10-2024 | 74 | 68 |
| | | | 08-11-2024 | 70 | 67 |
| | | | 21-11-2024 | 72 | 68 |
| | | | 12-12-2024 | 73 | 68 |
| | | | 27-12-2024 | 75 | 69 |
| | | | 08-01-2025 | 71 | 69 |
| | | | 20-01-2025 | 73 | 70 |
| | | | 07-02-2025 | 70 | 67 |
| | | | 17-02-2025 | 72 | 68 |
| | | | 08-03-2025 | 71 | 69 |
| | | | 26-03-2025 | 73 | 70 |
| **B)** | **Steel Melting Shop - II** | | | | |
| 1 | Near GCP ID fan | 5 | 16-10-2024 | 75 | 72 |
| | | | 24-10-2024 | 74 | 71 |
| | | | 09-11-2024 | 75 | 72 |
| | | | 22-11-2024 | 74 | 71 |
| | | | 13-12-2024 | 76 | 73 |
| | | | 28-12-2024 | 75 | 72 |
| | | | 09-01-2025 | 75 | 72 |
| | | | 21-01-2025 | 74 | 71 |
| | | | 18-02-2025 | 75 | 72 |
| | | | 22-02-2025 | 74 | 71 |
| | | | 10-03-2025 | 75 | 72 |
| | | | 28-03-2025 | 74 | 71 |
| 2 | Near Bag house of GCP | | 16-10-2024 | 70 | 68 |
| | | | 24-10-2024 | 71 | 70 |
| | | | 09-11-2024 | 70 | 68 |
| | | | 22-11-2024 | 71 | 70 |
| | | | 13-12-2024 | 71 | 69 |

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Checked By
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| | | | | | |
|---|---|---|---|---|---|
| | | 5 | 28-12-2024 | 72 | 70 |
| | | | 09-01-2025 | 70 | 68 |
| | | | 21-01-2025 | 71 | 70 |
| | | | 18-02-2025 | 70 | 68 |
| | | | 22-02-2025 | 71 | 70 |
| | | | 10-03-2025 | 70 | 68 |
| | | | 28-03-2025 | 71 | 70 |
| 3 | Near ESP | 5 | 16-10-2024 | 82 | 80 |
| | | | 24-10-2024 | 81 | 78 |
| | | | 09-11-2024 | 82 | 80 |
| | | | 22-11-2024 | 81 | 78 |
| | | | 13-12-2024 | 83 | 81 |
| | | | 28-12-2024 | 82 | 79 |
| | | | 09-01-2025 | 82 | 80 |
| | | | 21-01-2025 | 81 | 78 |
| | | | 18-02-2025 | 82 | 80 |
| | | | 22-02-2025 | 81 | 78 |
| | | | 10-03-2025 | 82 | 80 |
| | | | 28-03-2025 | 81 | 78 |
| 4 | Near KR Process control Room | 5 | 16-10-2024 | 72 | 71 |
| | | | 24-10-2024 | 70 | 68 |
| | | | 09-11-2024 | 72 | 71 |
| | | | 22-11-2024 | 70 | 68 |
| | | | 13-12-2024 | 73 | 70 |
| | | | 28-12-2024 | 71 | 69 |
| | | | 09-01-2025 | 72 | 71 |
| | | | 21-01-2025 | 70 | 68 |
| | | | 18-02-2025 | 72 | 71 |
| | | | 22-02-2025 | 70 | 68 |
| | | | 10-03-2025 | 72 | 71 |
| | | | 28-03-2025 | 70 | 68 |
| 5 | Near Convertor I & II | 5 | 16-10-2024 | 68 | 66 |
| | | | 24-10-2024 | 65 | 67 |
| | | | 09-11-2024 | 68 | 66 |
| | | | 22-11-2024 | 65 | 67 |
| | | | 13-12-2024 | 69 | 66 |
| | | | 28-12-2024 | 66 | 64 |
| | | | 09-01-2025 | 68 | 66 |
| | | | 21-01-2025 | 65 | 67 |
| | | | 18-02-2025 | 68 | 66 |
| | | | 22-02-2025 | 65 | 67 |
| | | | 10-03-2025 | 68 | 66 |
| | | | 28-03-2025 | 65 | 67 |
| 6 | Near SMS2 Control Room | 5 | 16-10-2024 | 65 | 63 |
| | | | 24-10-2024 | 70 | 68 |
| | | | 09-11-2024 | 67 | 65 |
| | | | 22-11-2024 | 68 | 70 |
| | | | 13-12-2024 | 68 | 65 |
| | | | 28-12-2024 | 71 | 69 |
| | | | 09-01-2025 | 67 | 65 |
| | | | 21-01-2025 | 68 | 70 |
| | | | 18-02-2025 | 67 | 65 |
| | | | 22-02-2025 | 68 | 70 |
| | | | 10-03-2025 | 65 | 63 |
| | | | 28-03-2025 | 70 | 68 |
| 7 | Near LF 1 Control Room | 5 | 16-10-2024 | 75 | 73 |
| | | | 24-10-2024 | 73 | 71 |
| | | | 09-11-2024 | 75 | 73 |
| | | | 22-11-2024 | 73 | 71 |
| | | | 13-12-2024 | 76 | 74 |
| | | | 28-12-2024 | 75 | 72 |
| | | | 09-01-2025 | 75 | 73 |
| | | | 21-01-2025 | 73 | 71 |
| | | | 18-02-2025 | 75 | 73 |
| | | | 22-02-2025 | 73 | 71 |
| | | | 10-03-2025 | 75 | 73 |
| | | | 28-03-2025 | 73 | 71 |

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Genral Manager(Environment)

| | | | | | |
|---|---|---|---|---|---|
| 8 | Near LF 2 Control Room | 5 | 16-10-2024 | 71 | 69 |
| | | | 24-10-2024 | 72 | 70 |
| | | | 09-11-2024 | 71 | 68 |
| | | | 22-11-2024 | 72 | 70 |
| | | | 13-12-2024 | 75 | 70 |
| | | | 28-12-2024 | 74 | 71 |
| | | | 09-01-2025 | 71 | 68 |
| | | | 21-01-2025 | 72 | 70 |
| | | | 18-02-2025 | 71 | 68 |
| | | | 22-02-2025 | 72 | 70 |
| | | | 10-03-2025 | 71 | 69 |
| | | | 28-03-2025 | 72 | 70 |
| 9 | Near Caster Control Room 1 | 5 | 16-10-2024 | 81 | 79 |
| | | | 24-10-2024 | 80 | 77 |
| | | | 09-11-2024 | 81 | 79 |
| | | | 22-11-2024 | 80 | 77 |
| | | | 13-12-2024 | 82 | 79 |
| | | | 28-12-2024 | 81 | 78 |
| | | | 09-01-2025 | 81 | 79 |
| | | | 21 01 2025 | 80 | 77 |
| | | | 18-02-2025 | 81 | 79 |
| | | | 22-02-2025 | 80 | 77 |
| | | | 10-03-2025 | 81 | 79 |
| | | | 28-03-2025 | 80 | 77 |
| 10 | Near Caster Control Room 2 | 5 | 16-10-2024 | 83 | 81 |
| | | | 24-10-2024 | 85 | 83 |
| | | | 09-11-2024 | 83 | 81 |
| | | | 22-11-2024 | 85 | 83 |
| | | | 13-12-2024 | 84 | 81 |
| | | | 28-12-2024 | 82 | 83 |
| | | | 09-01-2025 | 83 | 81 |
| | | | 21-01-2025 | 85 | 83 |
| | | | 18-02-2025 | 83 | 81 |
| | | | 22-02-2025 | 85 | 83 |
| | | | 10-03-2025 | 83 | 81 |
| | | | 28-03-2025 | 85 | 83 |
| 11 | Near Mould & Segment Repair shop | 5 | 16-10-2024 | 84 | 82 |
| | | | 24-10-2024 | 81 | 78 |
| | | | 09-11-2024 | 84 | 82 |
| | | | 22-11-2024 | 81 | 78 |
| | | | 13-12-2024 | 85 | 82 |
| | | | 28-12-2024 | 82 | 78 |
| | | | 09-01-2025 | 84 | 82 |
| | | | 21-01-2025 | 81 | 78 |
| | | | 18-02-2025 | 84 | 82 |
| | | | 22-02-2025 | 81 | 78 |
| | | | 10-03-2025 | 84 | 82 |
| | | | 28-03-2025 | 81 | 78 |
| 12 | In Slab Stacking Area | 5 | 16-10-2024 | 82 | 80 |
| | | | 24-10-2024 | 79 | 77 |
| | | | 09-11-2024 | 82 | 80 |
| | | | 22-11-2024 | 79 | 77 |
| | | | 13-12-2024 | 83 | 80 |
| | | | 28-12-2024 | 81 | 78 |
| | | | 09-01-2025 | 82 | 80 |
| | | | 21-01-2025 | 79 | 77 |
| | | | 18-02-2025 | 82 | 80 |
| | | | 22-02-2025 | 79 | 77 |
| | | | 10-03-2025 | 82 | 80 |
| | | | 28-03-2025 | 79 | 77 |

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P.P. Nanduskar
Manager (Environment

Checked By
Satish kumar Choudhary
Genral Manager(Environment)

| C) | Lime Calcination Plant - 5, 6, 7 | | | | |
|---|---|---|---|---|---|
| 1 | Near Lime Stone Storage De-dusting Stack | 5 | 17-10-2024 | 78 | 76 |
| | | | 28-10-2024 | 76 | 74 |
| | | | 11-11-2024 | 78 | 76 |
| | | | 23-11-2024 | 76 | 74 |
| | | | 14-12-2024 | 82 | 75 |
| | | | 29-12-2024 | 79 | 74 |
| | | | 10-01-2025 | 79 | 77 |
| | | | 22-01-2025 | 77 | 75 |
| | | | 19-02-2025 | 79 | 77 |
| | | | 24-02-2025 | 77 | 75 |
| | | | 11-03-2025 | 78 | 76 |
| | | | 29-03-2025 | 76 | 74 |
| 2 | Near Lime Storage De-dusting Stack | 5 | 17-10-2024 | 71 | 69 |
| | | | 28-10-2024 | 69 | 67 |
| | | | 11-11-2024 | 71 | 69 |
| | | | 23-11-2024 | 69 | 67 |
| | | | 14-12-2024 | 80 | 72 |
| | | | 29-12-2024 | 81 | 75 |
| | | | 10-01-2025 | 71 | 70 |
| | | | 22-01-2025 | 70 | 68 |
| | | | 19-02-2025 | 71 | 70 |
| | | | 24-02-2025 | 70 | 68 |
| | | | 11-03-2025 | 71 | 69 |
| | | | 29-03-2025 | 69 | 67 |
| 3 | Near Blower House 1 | 5 | 17-10-2024 | 84 | 82 |
| | | | 28-10-2024 | 82 | 80 |
| | | | 11-11-2024 | 84 | 82 |
| | | | 23-11-2024 | 82 | 80 |
| | | | 14-12-2024 | 82 | 80 |
| | | | 29-12-2024 | 80 | 78 |
| | | | 10-01-2025 | 83 | 81 |
| | | | 22-01-2025 | 84 | 82 |
| | | | 19-02-2025 | 83 | 81 |
| | | | 24-02-2025 | 84 | 82 |
| | | | 11-03-2025 | 84 | 82 |
| | | | 29-03-2025 | 82 | 80 |

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Checked By
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Genral Manager(Environment)

| | | | | | |
|---|---|---|---|---|---|
| 4 | Near Blower House 2 | 5 | 17-10-2024 | 81 | 79 |
| | | | 28-10-2024 | 80 | 76 |
| | | | 11-11-2024 | 81 | 79 |
| | | | 23-11-2024 | 80 | 76 |
| | | | 14-12-2024 | 83 | 70 |
| | | | 29-12-2024 | 81 | 75 |
| | | | 10-01-2025 | 82 | 80 |
| | | | 22-01-2025 | 81 | 78 |
| | | | 19-02-2025 | 82 | 80 |
| | | | 24-02-2025 | 81 | 78 |
| | | | 11-03-2025 | 81 | 79 |
| | | | 29-03-2025 | 80 | 76 |
| 5 | Lime stone Vibro Feeder hopper | 5 | 17-10-2024 | 72 | 70 |
| | | | 28-10-2024 | 70 | 68 |
| | | | 11-11-2024 | 72 | 70 |
| | | | 23-11-2024 | 70 | 68 |
| | | | 14-12-2024 | 82 | 77 |
| | | | 29-12-2024 | 78 | 74 |
| | | | 10-01-2025 | 73 | 70 |
| | | | 22-01-2025 | 71 | 69 |
| | | | 19-02-2025 | 73 | 70 |
| | | | 24-02-2025 | 71 | 69 |
| | | | 11-03-2025 | 72 | 70 |
| | | | 29-03-2025 | 70 | 68 |
| 6 | Near WINCH of Kiln 5, 6, 7 | 5 | 17-10-2024 | 68 | 66 |
| | | | 28-10-2024 | 69 | 67 |
| | | | 11-11-2024 | 68 | 66 |
| | | | 23-11-2024 | 69 | 67 |
| | | | 14-12-2024 | 81 | 78 |
| | | | 29-12-2024 | 79 | 72 |
| | | | 10-01-2025 | 69 | 67 |
| | | | 22-01-2025 | 70 | 68 |
| | | | 19-02-2025 | 69 | 67 |
| | | | 24-02-2025 | 70 | 68 |
| | | | 11-03-2025 | 68 | 66 |
| | | | 29-03-2025 | 69 | 67 |
| 7 | Lime Stone Vibro Feeder hopper De-dusting system | 5 | 17-10-2024 | 75 | 73 |
| | | | 28-10-2024 | 74 | 72 |
| | | | 11-11-2024 | 75 | 73 |
| | | | 23-11-2024 | 74 | 72 |
| | | | 14-12-2024 | 78 | 71 |
| | | | 29-12-2024 | 73 | 70 |
| | | | 10-01-2025 | 76 | 74 |
| | | | 22-01-2025 | 75 | 73 |
| | | | 19-02-2025 | 76 | 74 |
| | | | 24-02-2025 | 75 | 73 |
| | | | 11-03-2025 | 75 | 73 |
| | | | 29-03-2025 | 74 | 72 |
| 8 | Lime product De-dusting system | 5 | 17-10-2024 | 72 | 70 |
| | | | 28-10-2024 | 71 | 68 |
| | | | 11-11-2024 | 72 | 70 |
| | | | 23-11-2024 | 71 | 68 |
| | | | 14-12-2024 | 75 | 68 |
| | | | 29-12-2024 | 72 | 70 |
| | | | 10-01-2025 | 73 | 71 |
| | | | 22-01-2025 | 72 | 70 |
| | | | 19-02-2025 | 73 | 71 |
| | | | 24-02-2025 | 72 | 70 |
| | | | 11-03-2025 | 72 | 70 |
| | | | 29-03-2025 | 71 | 68 |

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| D) | Blast Furnace - II | | | | |
|---|---|---|---|---|---|
| 1 | Near Stock house Dedusting system | 5 | 17-10-2024 | 74 | 71 |
| | | | 28-10-2024 | 72 | 69 |
| | | | 11-11-2024 | 75 | 72 |
| | | | 25-11-2024 | 73 | 70 |
| | | | 14-12-2024 | 75 | 72 |
| | | | 29-12-2024 | 73 | 70 |
| | | | 10-01-2025 | 75 | 72 |
| | | | 22-01-2025 | 73 | 70 |
| | | | 20-02-2025 | 74 | 71 |
| | | | 25-02-2025 | 72 | 69 |
| | | | 11-03-2025 | 75 | 72 |
| | | | 29-03-2025 | 73 | 70 |
| 2 | Near SGP Area 1 | 5 | 17-10-2024 | 70 | 70 |
| | | | 28-10-2024 | 72 | 68 |
| | | | 11-11-2024 | 71 | 69 |
| | | | 25-11-2024 | 73 | 70 |
| | | | 14-12-2024 | 71 | 69 |
| | | | 14-12-2024 | 73 | 70 |
| | | | 10-01-2025 | 71 | 69 |
| | | | 22-01-2025 | 73 | 70 |
| | | | 20-02-2025 | 70 | 70 |
| | | | 25-02-2025 | 72 | 68 |
| | | | 11-03-2025 | 71 | 69 |
| | | | 29-03-2025 | 73 | 70 |
| 3 | Near SGP Area 2 | 5 | 17-10-2024 | 70 | 69 |
| | | | 28-10-2024 | 73 | 67 |
| | | | 11-11-2024 | 71 | 69 |
| | | | 25-11-2024 | 74 | 70 |
| | | | 14-12-2024 | 71 | 68 |
| | | | 29-12-2024 | 74 | 70 |
| | | | 10-01-2025 | 71 | 69 |
| | | | 22-01-2025 | 74 | 70 |
| | | | 20-02-2025 | 70 | 69 |
| | | | 25-02-2025 | 73 | 67 |
| | | | 11-03-2025 | 71 | 68 |
| | | | 29-03-2025 | 74 | 70 |
| 4 | Near Cast House Dedusting System | 5 | 17-10-2024 | 83 | 81 |
| | | | 28-10-2024 | 80 | 79 |
| | | | 11-11-2024 | 84 | 82 |
| | | | 25-11-2024 | 81 | 78 |
| | | | 14-12-2024 | 84 | 82 |
| | | | 29-12-2024 | 81 | 79 |
| | | | 10-01-2025 | 84 | 82 |
| | | | 22-01-2025 | 81 | 78 |
| | | | 20-02-2025 | 83 | 81 |
| | | | 25-02-2025 | 80 | 79 |
| | | | 11-03-2025 | 84 | 82 |
| | | | 29-03-2025 | 81 | 79 |
| 5 | Near GCP area | 5 | 17-10-2024 | 79 | 77 |
| | | | 28-10-2024 | 81 | 80 |
| | | | 11-11-2024 | 80 | 78 |
| | | | 25-11-2024 | 82 | 80 |
| | | | 14-12-2024 | 80 | 78 |
| | | | 29-12-2024 | 82 | 80 |
| | | | 10-01-2025 | 80 | 78 |
| | | | 22-01-2025 | 82 | 80 |
| | | | 20-02-2025 | 79 | 77 |
| | | | 25-02-2025 | 81 | 80 |
| | | | 11-03-2025 | 80 | 78 |
| | | | 29-03-2025 | 82 | 80 |
| 6 | Near Compressor House | 5 | 17-10-2024 | 83 | 81 |
| | | | 28-10-2024 | 80 | 79 |
| | | | 11-11-2024 | 84 | 82 |
| | | | 25-11-2024 | 81 | 79 |
| | | | 14-12-2024 | 84 | 81 |
| | | | 29-12-2024 | 81 | 79 |
| | | | 10-01-2025 | 84 | 82 |
| | | | 22-01-2025 | 81 | 79 |
| | | | 20-02-2025 | 83 | 81 |
| | | | 25-02-2025 | 80 | 79 |
| | | | 11-03-2025 | 84 | 81 |
| | | | 29-03-2025 | 81 | 79 |
| | | | 17-10-2024 | 81 | 80 |

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Checked By
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| | | | | | |
|---|---|---|---|---|---|
| 7 | Near Compressor House | 5 | 28-10-2024 | 84 | 82 |
| | | | 11-11-2024 | 82 | 80 |
| | | | 25-11-2024 | 84 | 82 |
| | | | 14-12-2024 | 82 | 80 |
| | | | 29-12-2024 | 85 | 82 |
| | | | 10-01-2025 | 82 | 80 |
| | | | 22-01-2025 | 84 | 82 |
| | | | 20-02-2025 | 81 | 80 |
| | | | 25-02-2025 | 84 | 82 |
| | | | 11-03-2025 | 82 | 80 |
| | | | 29-03-2025 | 85 | 82 |
| 8 | Near Stove Stack | 5 | 17-10-2024 | 80 | 78 |
| | | | 28-10-2024 | 82 | 80 |
| | | | 11-11-2024 | 81 | 79 |
| | | | 25-11-2024 | 82 | 81 |
| | | | 14-12-2024 | 81 | 79 |
| | | | 29-12-2024 | 83 | 80 |
| | | | 10 01 2025 | 81 | 79 |
| | | | 22-01-2025 | 82 | 81 |
| | | | 20-02-2025 | 80 | 78 |
| | | | 25-02-2025 | 82 | 80 |
| | | | 11-03-2025 | 81 | 79 |
| | | | 29-03-2025 | 83 | 80 |
| 9 | Near Cast House (East) | 5 | 17-10-2024 | 84 | 82 |
| | | | 28-10-2024 | 81 | 78 |
| | | | 11-11-2024 | 83 | 80 |
| | | | 25-11-2024 | 80 | 77 |
| | | | 14-12-2024 | 85 | 82 |
| | | | 29-12-2024 | 82 | 79 |
| | | | 10-01-2025 | 83 | 80 |
| | | | 22-01-2025 | 80 | 77 |
| | | | 20-02-2025 | 84 | 82 |
| | | | 25-02-2025 | 81 | 78 |
| | | | 11-03-2025 | 85 | 82 |
| | | | 29-03-2025 | 82 | 79 |
| 10 | Near Cast House (West) | 5 | 17-10-2024 | 78 | 76 |
| | | | 28-10-2024 | 80 | 78 |
| | | | 11-11-2024 | 79 | 76 |
| | | | 25-11-2024 | 80 | 75 |
| | | | 14-12-2024 | 79 | 76 |
| | | | 29-12-2024 | 81 | 78 |
| | | | 10-01-2025 | 79 | 76 |
| | | | 22-01-2025 | 80 | 75 |
| | | | 20-02-2025 | 78 | 76 |
| | | | 25-02-2025 | 80 | 78 |
| | | | 11-03-2025 | 79 | 76 |
| | | | 29-03-2025 | 81 | 78 |
| 11 | Near PCI | 5 | 17-10-2024 | 79 | 77 |
| | | | 28-10-2024 | 82 | 80 |
| | | | 11-11-2024 | 78 | 76 |
| | | | 25-11-2024 | 79 | 77 |
| | | | 14-12-2024 | 80 | 77 |
| | | | 29-12-2024 | 83 | 80 |
| | | | 10-01-2025 | 78 | 76 |
| | | | 22-01-2025 | 79 | 77 |
| | | | 20-02-2025 | 79 | 77 |
| | | | 25-02-2025 | 82 | 80 |
| | | | 11-03-2025 | 80 | 77 |
| | | | 29-03-2025 | 83 | 80 |

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| E) | Captive Power Plant 245 MW (175 + 70 MW) | | | | |
|---|---|---|---|---|---|
| 1 | Near Boiler Stack | 5 | 18-10-2024 | 79 | 77 |
| | | | 29-10-2024 | 77 | 75 |
| | | | 12-11-2024 | 81 | 77 |
| | | | 26-11-2024 | 79 | 75 |
| | | | 16-12-2024 | 82 | 78 |
| | | | 30-12-2024 | 80 | 76 |
| | | | 11-01-2025 | 81 | 77 |
| | | | 23-01-2025 | 79 | 75 |
| | | | 15-02-2025 | 82 | 78 |
| | | | 26-02-2025 | 80 | 76 |
| | | | 12-03-2025 | 81 | 77 |
| | | | 30-03-2025 | 79 | 75 |
| 2 | Near DG & Compressor House | 5 | 18-10-2024 | 70 | 68 |
| | | | 29-10-2024 | 73 | 70 |
| | | | 12-11-2024 | 72 | 68 |
| | | | 26-11-2024 | 73 | 70 |
| | | | 16-12-2024 | 73 | 69 |
| | | | 30-12-2024 | 74 | 71 |
| | | | 11-01-2025 | 72 | 68 |
| | | | 23-01-2025 | 73 | 70 |
| | | | 15-02-2025 | 73 | 69 |
| | | | 26-02-2025 | 74 | 71 |
| | | | 12-03-2025 | 72 | 68 |
| | | | 30-03-2025 | 73 | 70 |
| 3 | Near Steam Turbine Generator | 5 | 18-10-2024 | 85 | 83 |
| | | | 29-10-2024 | 82 | 80 |
| | | | 12-11-2024 | 84 | 83 |
| | | | 26-11-2024 | 82 | 80 |
| | | | 16-12-2024 | 85 | 84 |
| | | | 30-12-2024 | 83 | 81 |
| | | | 11-01-2025 | 84 | 83 |
| | | | 23-01-2025 | 82 | 80 |
| | | | 15-02-2025 | 85 | 83 |
| | | | 26-02-2025 | 83 | 81 |
| | | | 12-03-2025 | 84 | 83 |
| | | | 30-03-2025 | 82 | 80 |

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Manager (Environment

Checked By
Satish kumar Choudhary
Genral Manager(Environment)

| | | | | | |
|---|---|---|---|---|---|
| 4 | Inside Control Room | 5 | 18-10-2024 | 65 | 64 |
| | | | 29-10-2024 | 68 | 65 |
| | | | 12-11-2024 | 66 | 65 |
| | | | 26-11-2024 | 67 | 66 |
| | | | 16-12-2024 | 67 | 65 |
| | | | 30-12-2024 | 68 | 64 |
| | | | 11-01-2025 | 66 | 65 |
| | | | 23-01-2025 | 67 | 66 |
| | | | 15-02-2025 | 67 | 65 |
| | | | 26-02-2025 | 68 | 66 |
| | | | 12-03-2025 | 66 | 65 |
| | | | 30-03-2025 | 67 | 66 |
| 5 | Near STG Panel Room | 5 | 18-10-2024 | 66 | 64 |
| | | | 29-10-2024 | 70 | 66 |
| | | | 12-11-2024 | 68 | 67 |
| | | | 26-11-2024 | 71 | 67 |
| | | | 16-12-2024 | 69 | 67 |
| | | | 30-12-2024 | 72 | 70 |
| | | | 11-01-2025 | 68 | 67 |
| | | | 23-01-2025 | 71 | 67 |
| | | | 15-02-2025 | 69 | 67 |
| | | | 26-02-2025 | 72 | 69 |
| | | | 12-03-2025 | 68 | 67 |
| | | | 30-03-2025 | 71 | 67 |
| 6 | Near Pump House | 5 | 18-10-2024 | 69 | 67 |
| | | | 29-10-2024 | 72 | 69 |
| | | | 12-11-2024 | 71 | 68 |
| | | | 26-11-2024 | 74 | 70 |
| | | | 16-12-2024 | 72 | 69 |
| | | | 30-12-2024 | 75 | 71 |
| | | | 11-01-2025 | 71 | 68 |
| | | | 23-01-2025 | 74 | 70 |
| | | | 15-02-2025 | 75 | 72 |
| | | | 26-02-2025 | 74 | 71 |
| | | | 12-03-2025 | 71 | 68 |
| | | | 30-03-2025 | 74 | 70 |

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| H) | Pellet Plant - II | | | | |
|---|---|---|---|---|---|
| 1 | Ball Mill Area | 5 | 18-10-2024 | 78 | 76 |
| | | | 29-10-2024 | 76 | 74 |
| | | | 12-11-2024 | 76 | 75 |
| | | | 26-11-2024 | 77 | 73 |
| | | | 16-12-2024 | 78 | 76 |
| | | | 30-12-2024 | 76 | 74 |
| | | | 11-01-2025 | 76 | 75 |
| | | | 23-01-2025 | 77 | 73 |
| | | | 15-02-2025 | 76 | 75 |
| | | | 26-02-2025 | 77 | 73 |
| | | | 12-03-2025 | 78 | 76 |
| | | | 30-03-2025 | 76 | 74 |
| 2 | Additive Ball Mill Area | 5 | 18-10-2024 | 74 | 72 |
| | | | 29-10-2024 | 75 | 70 |
| | | | 12-11-2024 | 74 | 72 |
| | | | 26-11-2024 | 75 | 70 |
| | | | 16-12-2024 | 74 | 72 |
| | | | 30-12-2024 | 75 | 70 |
| | | | 11-01-2025 | 74 | 72 |
| | | | 23-01-2025 | 75 | 70 |
| | | | 15-02-2025 | 74 | 72 |
| | | | 26-02-2025 | 75 | 70 |
| | | | 12-03-2025 | 74 | 72 |
| | | | 30-03-2025 | 75 | 70 |
| 3 | Near ESP Area | 5 | 18-10-2024 | 84 | 82 |
| | | | 29-10-2024 | 82 | 80 |
| | | | 12 11 2024 | 85 | 82 |
| | | | 26-11-2024 | 82 | 80 |
| | | | 16-12-2024 | 84 | 82 |
| | | | 30-12-2024 | 82 | 80 |
| | | | 11-01-2025 | 85 | 82 |
| | | | 23-01-2025 | 82 | 80 |
| | | | 15-02-2025 | 85 | 82 |
| | | | 26-02-2025 | 82 | 80 |
| | | | 12-03-2025 | 84 | 82 |
| | | | 30-03-2025 | 82 | 80 |
| 4 | Product Storage Area | 5 | 18-10-2024 | 72 | 70 |
| | | | 29-10-2024 | 70 | 68 |
| | | | 12-11-2024 | 72 | 70 |
| | | | 26-11-2024 | 70 | 68 |
| | | | 16-12-2024 | 72 | 70 |
| | | | 30-12-2024 | 70 | 68 |
| | | | 11-01-2025 | 72 | 70 |
| | | | 23-01-2025 | 70 | 68 |
| | | | 15-02-2025 | 72 | 70 |
| | | | 26-02-2025 | 70 | 68 |
| | | | 12-03-2025 | 72 | 70 |
| | | | 30-03-2025 | 70 | 69 |

Prepared By
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Manager (Environment

Checked By
Satish kumar Choudhary
Genral Manager(Environment)

| | | | | | |
|---|---|---|---|---|---|
| 5 | Indurating Area | 5 | 18-10-2024 | 82 | 80 |
| | | | 29-10-2024 | 84 | 82 |
| | | | 12-11-2024 | 83 | 81 |
| | | | 26-11-2024 | 85 | 82 |
| | | | 16-12-2024 | 82 | 80 |
| | | | 30-12-2024 | 84 | 82 |
| | | | 11-01-2025 | 83 | 81 |
| | | | 23-01-2025 | 85 | 82 |
| | | | 15-02-2025 | 83 | 81 |
| | | | 26-02-2025 | 85 | 82 |
| | | | 12-03-2025 | 82 | 80 |
| | | | 30-03-2025 | 84 | 82 |
| 6 | Hearth Layer Area | 5 | 18-10-2024 | 79 | 77 |
| | | | 29-10-2024 | 76 | 74 |
| | | | 12-11-2024 | 79 | 77 |
| | | | 26-11-2024 | 76 | 74 |
| | | | 16-12-2024 | 79 | 77 |
| | | | 30-12-2024 | 76 | 74 |
| | | | 11-01-2025 | 79 | 77 |
| | | | 23-01-2025 | 76 | 74 |
| | | | 15-02-2025 | 79 | 77 |
| | | | 26-02-2025 | 76 | 74 |
| | | | 12-03-2025 | 79 | 77 |
| | | | 30-03-2025 | 76 | 74 |

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## B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

### a). AMBIENT AIR QUALITY(AAQ):

| Location | Near Kasumata Temple | | | | | Near Coke Oven Plant | | | | | Near Goa Gate | | | | | Near MSEB Substation | | | | | Near Dolvi Village | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO |
| 01-10-2024 | NA | NA | NA | NA | NA | 37 | 92 | 10.12 | 13.07 | 0.77 | 33 | 50 | 7.75 | 11.11 | 0.77 | 45 | 90 | 11.76 | 8.79 | 1.23 | 40 | 70 | 7.48 | 23.7 | 0.62 |
| 02-10-2024 | NA | NA | NA | NA | NA | 28 | 86 | 10.44 | 16.66 | 0.72 | 43 | 63 | 8.44 | 7.75 | 0.89 | 30 | 65 | 10.9 | 7.86 | 1.77 | 51 | 87 | 9.36 | 21.09 | 0.62 |
| 03-10-2024 | NA | NA | NA | NA | NA | 23 | 79 | 10.26 | 18.2 | 0.54 | 36 | 64 | 8.3 | 11.25 | 0.84 | 30 | 63 | 10.34 | 7.94 | 1.64 | 36 | 62 | 7.33 | 18.42 | 0.53 |
| 04-10-2024 | NA | NA | NA | NA | NA | 29 | 89 | 9.49 | 16.58 | 0.63 | 24 | 52 | 8.29 | 11.66 | 0.75 | 25 | 51 | 8.7 | 8.24 | 0.8 | 38 | 67 | 7.58 | 24.95 | 0.43 |
| 05-10-2024 | NA | NA | NA | NA | NA | 24 | 90 | 9.5 | 15.83 | 0.61 | 19 | 45 | 7.86 | 11.32 | 0.69 | 28 | 69 | 8.68 | 8.1 | 0.4 | 40 | 66 | 7.4 | 28.24 | 0.5 |
| 06-10-2024 | NA | NA | NA | NA | NA | 30 | 91 | 9.28 | 14.79 | 0.71 | 24 | 44 | 7.83 | 12.93 | 0.71 | 54 | 92 | 9.14 | 8.39 | 0.42 | 44 | 78 | 8.32 | 30.09 | 0.62 |
| 07-10-2024 | NA | NA | NA | NA | NA | 37 | 93 | 9.42 | 14.07 | 1.11 | 46 | 77 | 7.8 | 11.23 | 0.94 | 43 | 78 | 9.6 | 9.18 | 0.17 | 48 | 89 | 9.06 | 28.82 | 0.77 |
| 08-10-2024 | NA | NA | NA | NA | NA | 40 | 78 | 9.23 | 15.87 | 0.78 | 49 | 81 | 8.39 | 11.18 | 1.01 | 33 | 90 | 9.51 | 8.37 | 0.19 | 57 | 90 | 8.27 | 28.38 | 0.76 |
| 09-10-2024 | NA | NA | NA | NA | NA | 25 | 68 | 9.66 | 16.98 | 0.88 | 33 | 44 | 9.08 | 10.43 | 0.84 | 52 | 56 | 9.57 | 9.22 | 0.37 | 35 | 61 | 7.86 | 21.91 | 0.72 |
| 10-10-2024 | NA | NA | NA | NA | NA | 23 | 75 | 9.54 | 14.38 | 0.86 | 32 | 54 | 8.94 | 12.42 | 0.97 | 21 | 45 | 9.33 | 9.28 | 0.21 | 21 | 64 | 7.97 | 24.36 | 0.66 |
| 11-10-2024 | NA | NA | NA | NA | NA | 24 | 78 | 8.99 | 12.71 | 0.8 | 22 | 41 | 9.35 | 10.5 | 0.89 | 30 | 44 | 9.39 | 9.17 | 0.06 | 9 | 31 | 6.92 | 25.21 | 0.57 |
| 12-10-2024 | NA | NA | NA | NA | NA | 42 | 90 | 7.21 | 14.16 | 0.74 | 14 | 28 | 11 | 8.95 | 0.67 | 37 | 39 | 9.62 | 8.43 | 0.21 | 16 | 34 | 7.24 | 22.43 | 0.58 |
| 13-10-2024 | NA | NA | NA | NA | NA | 32 | 88 | 7.34 | 11.45 | 0.63 | 16 | 31 | 12.46 | 8.87 | 0.69 | 27 | 58 | 9.08 | 7.68 | 0.29 | 21 | 41 | 6.95 | 21.79 | 0.64 |
| 14-10-2024 | NA | NA | NA | NA | NA | 25 | 89 | 7.31 | 14.65 | 0.74 | 19 | 34 | 13.07 | 10.92 | 0.7 | 33 | 46 | 8.82 | 8.4 | 0.32 | 13 | 27 | 6.84 | 22.51 | 0.57 |
| 15-10-2024 | 16 | 35 | NA | 18.9 | 1.4 | 16 | 91 | 7.34 | 15.95 | 0.77 | 19 | 33 | 17.19 | 11.88 | 0.79 | 27 | 47 | 9.47 | 8.35 | 0.38 | 10 | 38 | 8.52 | 23.81 | 0.62 |
| 16-10-2024 | 52 | 90 | NA | 19.0 | 1.4 | 56 | 80 | 7.59 | 16.11 | 0.96 | 27 | 47 | 12.99 | 11.61 | 0.8 | 35 | 50 | 10.1 | 8.66 | 0.59 | 22 | 52 | 7.12 | 26.06 | 0.73 |
| 17-10-2024 | 53 | 91 | NA | 19.0 | 1.4 | 44 | 76 | 7.95 | 12.81 | 0.86 | 38 | 67 | 13.18 | 10.5 | 0.77 | 43 | 68 | 10.32 | 8.16 | 0.58 | 35 | 72 | 7.2 | 26.02 | 0.71 |
| 18-10-2024 | 47 | 92 | NA | 18.7 | 1.6 | 32 | 90 | 7.65 | 14.05 | 0.75 | 35 | 59 | 12.67 | 15.22 | 1.19 | 31 | 48 | 9.89 | 8.28 | 0.27 | 47 | 92 | 7.11 | 25.93 | 0.67 |
| 19-10-2024 | 26 | 56 | NA | 18.6 | 1.7 | 29 | 91 | 7.5 | 14.08 | 0.5 | 14 | 24 | 12.7 | 12.88 | 0.96 | 43 | 55 | 9.32 | 7.82 | 0.14 | 10 | 30 | 7.11 | 24.47 | 0.47 |
| 20-10-2024 | 36 | 81 | NA | 18.5 | 1.5 | 36 | 87 | 7.53 | 17.1 | 0.98 | 17 | 20 | 12.59 | 9.76 | 0.71 | 53 | 81 | 9.29 | 8.11 | 0.26 | 4 | 29 | 7.04 | 20.7 | 0.6 |
| 21-10-2024 | 36 | 75 | NA | 18.4 | 1.5 | 27 | 93 | 7.23 | 17.12 | 0.65 | 18 | 24 | 11.39 | 7.65 | 0.64 | 23 | 59 | 9.25 | 8.28 | 0.38 | 17 | 48 | 7.22 | 23.28 | 0.62 |
| 22-10-2024 | 46 | 92 | NA | 18.3 | 1.5 | 40 | 91 | 6.9 | 15.45 | 0.66 | 29 | 36 | 10.74 | 6.82 | 0.58 | 43 | 65 | 9.17 | 8.38 | 0.35 | 30 | 77 | 7.1 | 28.99 | 0.6 |
| 23-10-2024 | 47 | 91 | NA | 18.2 | 1.5 | 45 | 91 | 8.32 | 15.01 | 0.78 | 32 | 33 | 11.2 | 6.14 | 0.9 | 43 | 87 | 9.1 | 9 | 0.57 | 29 | 55 | 6.98 | 22.53 | 0.61 |
| 24-10-2024 | 44 | 75 | NA | 18.1 | 1.5 | 46 | 92 | 12.1 | 14.14 | 0.88 | 58 | 63 | 11.15 | 11.65 | 0.74 | 47 | 91 | 9.28 | 8.73 | 0.61 | 52 | 91 | 7.14 | 32.4 | 0.75 |
| 25-10-2024 | 41 | 90 | NA | 18.0 | 1.8 | 45 | 92 | 13.89 | 26.76 | 0.86 | 54 | 72 | 11.11 | 9.11 | 0.85 | 41 | 82 | 9.4 | 8.18 | 0.57 | 49 | 88 | 7.2 | 35.26 | 0.73 |
| 26-10-2024 | 50 | 93 | NA | 17.9 | 1.6 | 58 | 91 | 14.32 | 29.41 | 0.9 | 52 | 66 | 10.78 | 7.02 | 0.88 | 40 | 91 | 9.53 | 8.32 | 0.55 | 42 | 86 | 7.12 | 32.67 | 0.8 |
| 27-10-2024 | 52 | 82 | NA | 17.8 | 1.7 | 54 | 93 | 14.92 | 29.08 | 1.01 | 55 | 71 | 10.95 | 8.16 | 0.87 | 51 | 89 | 9.51 | 7.97 | 0.48 | 47 | 92 | 7.04 | 34.43 | 0.86 |
| 28-10-2024 | 59 | 91 | NA | 17.7 | 1.8 | 50 | 80 | 14.46 | 21.25 | 0.89 | 60 | 74 | 10.81 | 7.83 | 0.89 | 35 | 90 | 9.76 | 8.33 | 0.14 | 53 | 90 | 7.15 | 31.53 | 0.81 |
| 29-10-2024 | 36 | 92 | NA | 17.6 | 1.3 | 59 | 90 | 14.12 | 14.06 | 0.81 | 50 | 63 | 10.49 | 9.59 | 0.81 | 49 | 91 | 9.62 | 8.14 | 0.32 | 52 | 89 | 7.2 | 34.03 | 0.73 |
| 30-10-2024 | 43 | 72 | NA | 17.5 | 1.4 | 50 | 92 | 15.4 | 11.57 | 0.89 | 43 | 57 | 10.77 | 10.34 | 0.74 | 45 | 87 | 9.8 | 8.5 | 0.57 | 53 | 77 | 7.14 | 33.51 | 0.69 |
| 31-10-2024 | 49 | 76 | NA | 17.4 | 1.6 | 59 | 90 | 15.74 | 13.35 | 0.96 | 53 | 72 | 11.8 | 8.08 | 0.86 | 43 | 78 | 10.06 | 7.99 | 0.83 | 55 | 93 | 7.12 | 32.94 | 0.77 |
| Max (µg/m3) | 59 | 93 | NA | 19 | 2 | 59 | 93 | 16 | 29 | 1 | 60 | 81 | 17 | 15 | 1 | 54 | 92 | 12 | 9 | 2 | 57 | 93 | 9 | 35 | 1 |
| Min (µg/m3) | 16 | 35 | NA | 17 | 1 | 16 | 68 | 7 | 11 | 1 | 14 | 20 | 8 | 6 | 1 | 21 | 39 | 9 | 8 | 0 | 4 | 27 | 7 | 18 | 0 |
| Average (µg/m3) | 43 | 81 | NA | 18 | 2 | 37 | 87 | 10 | 16 | 1 | 34 | 51 | 11 | 10 | 1 | 39 | 69 | 10 | 8 | 1 | 35 | 67 | 7 | 27 | 1 |
| Standards | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 |

Showing NA due to the Aqms station is kept in observation.

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

## B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

### a). AMBIENT AIR QUALITY(AAQ):

| Location | Near Kasumata Temple | | | | | Near Coke Oven Plant | | | | | Near Goa Gate | | | | | Near MSEB Substation | | | | | Near Dolvi Village | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO |
| 01-11-2024 | 53 | 85 | NA | 17.3 | 1.6 | 48 | 90 | 16.42 | 14.88 | 0.86 | 43 | 59 | 11.53 | 7.42 | 1.02 | 36 | 88 | 10.02 | 8.07 | 0.86 | 48 | 74 | 6.97 | 29.58 | 0.74 |
| 02-11-2024 | 51 | 87 | NA | 17.2 | 1.9 | 54 | 79 | 17.15 | 17.94 | 1.1 | 46 | 65 | 11.44 | 6.08 | 0.81 | 41 | 85 | 9.63 | 7.69 | 0.87 | 51 | 72 | 6.88 | 24.54 | 0.69 |
| 03-11-2024 | 53 | 94 | NA | 17.1 | 2.0 | 50 | 85 | 13.56 | 18.69 | 1.12 | 52 | 80 | 12.06 | 7.22 | 0.83 | 45 | 89 | 9.63 | 7.81 | 0.95 | 59 | 80 | 7.15 | 30.07 | 0.76 |
| 04-11-2024 | 57 | 91 | NA | 17.1 | 1.9 | 60 | 89 | 13.88 | 16.58 | 1.09 | 48 | 71 | 11.99 | 7.36 | 0.81 | 39 | 85 | 9.66 | 7.96 | 0.94 | 55 | 83 | 6.93 | 34.11 | 0.74 |
| 05-11-2024 | 58 | 93 | NA | 17.0 | 1.7 | 55 | 90 | 5.61 | 17.68 | 0.99 | 49 | 78 | 12.21 | 8.31 | 0.84 | 48 | 95 | 9.78 | 8.5 | 1.0 | 55 | 82 | 7.02 | 35.57 | 0.75 |
| 06-11-2024 | 54 | 90 | NA | 17.0 | 1.8 | 58 | 87 | 9.96 | 14.58 | 1 | 47 | 78 | 12.52 | 6.99 | 0.89 | 56 | 95 | 9.86 | 8.39 | 1.21 | 48 | 90 | 7.04 | 35.85 | 0.83 |
| 07-11-2024 | 46 | 58 | NA | 16.8 | 1.7 | 49 | 60 | 14.78 | 16.32 | 0.95 | 53 | 80 | 14.02 | 11.67 | 0.95 | 55 | 94 | 9.9 | 8.24 | 1.44 | 44 | 87 | 6.91 | 37.67 | 0.87 |
| 08-11-2024 | 52 | 74 | NA | 16.8 | 1.8 | 55 | 85 | 19.43 | 17.69 | 1.07 | 59 | 83 | 16.07 | 9.27 | 1.06 | 41 | 83 | 9.72 | 8.48 | 1.36 | 58 | 82 | 6.86 | 34.76 | 0.92 |
| 09-11-2024 | 54 | 79 | NA | 16.7 | 1.8 | 53 | 73 | 16.86 | 16.53 | 1.18 | 54 | 74 | 14.55 | 9.88 | 1 | 40 | 83 | 9.72 | 9.05 | 1.35 | 59 | 79 | 6.84 | 36.79 | 0.86 |
| 10-11-2024 | 50 | 82 | NA | 16.6 | 1.7 | 56 | 58 | 3.12 | 3.7 | 1.01 | 55 | 76 | 14.25 | 11.35 | 0.95 | 45 | 84 | 9.67 | 8.44 | 1.33 | 59 | 89 | 6.91 | 36.94 | 0.84 |
| 11-11-2024 | 54 | 87 | NA | 16.6 | 1.8 | 52 | 73 | 1.64 | 3.06 | 0.87 | 58 | 81 | 15.45 | 9.42 | 0.97 | 43 | 79 | 9.75 | 8.61 | 1.41 | 55 | 81 | 6.93 | 35.2 | 0.85 |
| 12-11-2024 | 51 | 63 | NA | 16.5 | 1.7 | 59 | 79 | 3.69 | 8.75 | 1.03 | 56 | 79 | 15.61 | 10.2 | 0.97 | 44 | 90 | 9.85 | 8.68 | 1.45 | 57 | 86 | 6.86 | 36.92 | 0.86 |
| 13-11-2024 | 53 | 87 | NA | 16.4 | 1.7 | 56 | 85 | 5.6 | 9.39 | 0.92 | 59 | 86 | 15.51 | 12.27 | 0.98 | 47 | 92 | 9.74 | 9.35 | 1.47 | 60 | 90 | 6.69 | 31.06 | 0.87 |
| 14-11-2024 | 43 | 92 | NA | 16.4 | 1.7 | 51 | 73 | 7.07 | 14.69 | 0.67 | 53 | 80 | 17.6 | 12.88 | 0.97 | 49 | 93 | 9.74 | 8.78 | 1.52 | 53 | 83 | 7.19 | 42.23 | 0.86 |
| 15-11-2024 | 54 | 76 | NA | 16.2 | 1.8 | 37 | 85 | 9.72 | 12.86 | 0.9 | 51 | 70 | 15.48 | 11.34 | 1 | 44 | 92 | 11.09 | 8.67 | 1.64 | 48 | 83 | 6.6 | 37.71 | 0.84 |
| 16-11-2024 | 58 | 73 | NA | 16.2 | 1.5 | 30 | 91 | 11.35 | 9.65 | 1.13 | 49 | 81 | 16.46 | 10.12 | 1.05 | 48 | 86 | 12.05 | 8.96 | 1.83 | 46 | 93 | 6.39 | 34.32 | 0.89 |
| 17-11-2024 | 45 | 73 | NA | 16.2 | 1.6 | 59 | 84 | 11.09 | 14.58 | 1.15 | 45 | 84 | 14.79 | 8.03 | 1.07 | 56 | 91 | 12.08 | 8.35 | 1.79 | 55 | 89 | 6.92 | 39.2 | 0.9 |
| 18-11-2024 | 50 | 79 | NA | 16.3 | 1.5 | 51 | 85 | 11.39 | 16.87 | 1.09 | 52 | 82 | 14.63 | 9.15 | 0.94 | 53 | 90 | 11.5 | 10.32 | 1.69 | 44 | 90 | 7.49 | 36.61 | 0.8 |
| 19-11-2024 | 54 | 82 | NA | 16.5 | 1.7 | 54 | 78 | 11.4 | 13.57 | 1.02 | 58 | 78 | 21.06 | 8.71 | 0.95 | 50 | 93 | 10.23 | 10.18 | 1.88 | 47 | 90 | 6.71 | 31.26 | 0.79 |
| 20-11-2024 | 53 | 82 | NA | 16.6 | 1.8 | 56 | 92 | 11.98 | 0.87 | 0.98 | 53 | 80 | 20.37 | 12.65 | 1.12 | 49 | 85 | 10.23 | 9.28 | 1.93 | 56 | 92 | 7.39 | 41.48 | 1.01 |
| 21-11-2024 | 50 | 94 | NA | 16.5 | 1.7 | 46 | 89 | 11.49 | 5.09 | 1.01 | 55 | 89 | 15.8 | 11.33 | 1.11 | 46 | 85 | 10.58 | 8.91 | 1.92 | 55 | 93 | 8.03 | 44.35 | 1.02 |
| 22-11-2024 | 58 | 84 | NA | 16.5 | 1.8 | 59 | 66 | 11.4 | 4.2 | 1 | 51 | 94 | 17.98 | 8.76 | 1.18 | 55 | 90 | 9.64 | 8.84 | 2.01 | 52 | 94 | 7.6 | 38.78 | 1.03 |
| 23-11-2024 | 57 | 67 | NA | 16.4 | 1.9 | 50 | 83 | 11.29 | 2.91 | 1.04 | 49 | 89 | 18.98 | 7.52 | 1.16 | 49 | 88 | 9.47 | 10.08 | 2.05 | 48 | 89 | 6.37 | 31.3 | 0.95 |
| 24-11-2024 | 58 | 68 | NA | 16.4 | 1.9 | 50 | 93 | 10.78 | 3.56 | 1.21 | 51 | 91 | 23.42 | 8.61 | 1.22 | 56 | 91 | 9.87 | 9.66 | 2.18 | 58 | 93 | 8.37 | 35.57 | 1.02 |
| 25-11-2024 | 52 | 70 | NA | 16.4 | 1.8 | 51 | 90 | 11.18 | 5.44 | 1.37 | 53 | 84 | 21.7 | 8.44 | 1.16 | 58 | 95 | 10.5 | 9.46 | 2.14 | 56 | 90 | 6.66 | 34.58 | 1.06 |
| 26-11-2024 | 55 | 85 | NA | 16.3 | 1.9 | 56 | 77 | 10.92 | 3.73 | 1.3 | 49 | 87 | 17.7 | 9.24 | 1.05 | 48 | 90 | 11.88 | 9.18 | 2 | 48 | 80 | 7.73 | 35.6 | 0.93 |
| 27-11-2024 | 48 | 87 | NA | 16.2 | 1.7 | 59 | 90 | 10.16 | 3.3 | 1.04 | 56 | 85 | 15.99 | 12.66 | 1 | 51 | 93 | 12.63 | 10.6 | 2.07 | 59 | 83 | 8.56 | 37.98 | 0.89 |
| 28-11-2024 | 53 | 83 | NA | 16.2 | 1.7 | 58 | 94 | 11.19 | 5.48 | 1.34 | 53 | 79 | 23.37 | 12.6 | 1 | 40 | 93 | 13 | 10.55 | 1.95 | 53 | 87 | 7.58 | 43.33 | 0.87 |
| 29-11-2024 | 40 | 81 | NA | 16.2 | 1.5 | 54 | 91 | 11.09 | 4.04 | 1.14 | 52 | 85 | 12.65 | 11.66 | 0.94 | 56 | 92 | 13.46 | 11.09 | 1.89 | 57 | 92 | 7.51 | 42.22 | 0.85 |
| 30-11-2024 | 54 | 93 | NA | 16.1 | 1.9 | 55 | 90 | 11.28 | 4.25 | 1.13 | 55 | 89 | 17.59 | 14.85 | 1.16 | 56 | 94 | 15.3 | 9.41 | 2.17 | 50 | 91 | 7.73 | 47.16 | 1.09 |
| Max (µg/m3) | 58 | 94 | NA | 17 | 2 | 60 | 94 | 19 | 19 | 1 | 59 | 94 | 23 | 15 | 1 | 58 | 95 | 15 | 11 | 2 | 60 | 94 | 9 | 47 | 1 |
| Min (µg/m3) | 40 | 58 | NA | 16 | 1 | 30 | 58 | 2 | 1 | 1 | 43 | 59 | 11 | 6 | 1 | 36 | 79 | 9 | 8 | 1 | 44 | 72 | 6 | 25 | 1 |
| Average (µg/m3) | 52 | 81 | NA | 17 | 2 | 53 | 83 | 11 | 10 | 1 | 52 | 81 | 16 | 10 | 1 | 48 | 89 | 11 | 9 | 2 | 53 | 86 | 7 | 36 | 1 |
| Standards | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 |

Showing NA due to the Processor kept in observation.

Prepared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

## B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

### a). AMBIENT AIR QUALITY(AAQ):

| Location | Near Kasumata Temple | | | | | Near Coke Oven Plant | | | | | Near Goa Gate | | | | | Near MSEB Substation | | | | | Near Dolvi Village | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO |
| 01-12-2024 | 42 | 81 | NA | 16.1 | 2.0 | 42 | 92 | 11.31 | 3 | 1.2 | 44 | 90 | 21.96 | 10.2 | 1.22 | 57 | 91 | 31.97 | 8.38 | 1.68 | 46 | 89 | 8.37 | 43.79 | 1.14 |
| 02-12-2024 | 45 | 65 | NA | 16.1 | 1.9 | 43 | 92 | 12.25 | 5.52 | 1.26 | 57 | 85 | 18.84 | 18.98 | 1.25 | 48 | 86 | 32.8 | 9.33 | 1.85 | 54 | 92 | 8.14 | 46.41 | 1.11 |
| 03-12-2024 | 50 | 78 | NA | 16.2 | 1.9 | 44 | 87 | 14.78 | 6.41 | 1.26 | 51 | 82 | 17.3 | 13.03 | 1.3 | 57 | 78 | 36.34 | 9.59 | 1.68 | 57 | 93 | 7.43 | 45.76 | 1.13 |
| 04-12-2024 | 45 | 89 | NA | 24.9 | 1.6 | 54 | 89 | 14.72 | 12.54 | 1.08 | 53 | 71 | 16.46 | 11.03 | 1.24 | 42 | 80 | 27.37 | 9.3 | 1.49 | 44 | 90 | 6.69 | 40.92 | 0.93 |
| 05-12-2024 | 36 | 92 | NA | 64.3 | 0.6 | 44 | 91 | 13.89 | 5.95 | 0.97 | 45 | 61 | 13.98 | 7.92 | 1.16 | 35 | 62 | 22.05 | 8.63 | 1.4 | 46 | 85 | 7.17 | 35.63 | 0.92 |
| 06-12-2024 | 43 | 92 | NA | 50.7 | 0.8 | 35 | 71 | 14 | 2.67 | 1.03 | 54 | 68 | 14.37 | 7.77 | 1.08 | 51 | 90 | 19.21 | 8.64 | 1.78 | 52 | 90 | 6.68 | 39.96 | 0.97 |
| 07-12-2024 | 52 | 84 | NA | 46.6 | 0.9 | 34 | 73 | 13.69 | 4.83 | 1.02 | 53 | 69 | 12.97 | 10.61 | 1.01 | 54 | 92 | 17.58 | 9.31 | 1.5 | 55 | 91 | 6.91 | 38.96 | 0.97 |
| 08-12-2024 | 54 | 87 | NA | 42.2 | 0.9 | 54 | 82 | 16.97 | 3.16 | 1.24 | 33 | 89 | 12.02 | 11.38 | 0.88 | 48 | 79 | 16.99 | 8.87 | 0.36 | 53 | 85 | 7.48 | 37.34 | 0.86 |
| 09-12-2024 | 48 | 78 | NA | 18.0 | 1.7 | 33 | 47 | 11.98 | 2.76 | 1.13 | 33 | 81 | 11.92 | 11.3 | 0.92 | 53 | 89 | 16.49 | 10.34 | 0.68 | 55 | 82 | 7.02 | 33.61 | 0.87 |
| 10-12-2024 | 49 | 91 | NA | 17.7 | 1.7 | 33 | 92 | 10.08 | 17.19 | 1.02 | 33 | 84 | 11.44 | 14.54 | 0.97 | 52 | 87 | 17.37 | 9.6 | 0.53 | 56 | 87 | 7.39 | 39.8 | 0.96 |
| 11-12-2024 | 49 | 82 | NA | 17.7 | 1.8 | 56 | 91 | 14.55 | 18.15 | 1.24 | 47 | 92 | 11.7 | 12.88 | 1.02 | 47 | 83 | 17.39 | 9.16 | 0.64 | 54 | 93 | 7.41 | 39.02 | 1.07 |
| 12-12-2024 | 45 | 76 | NA | 17.5 | 1.7 | 49 | 91 | 22.98 | 22.65 | 1.25 | 51 | 85 | 12.11 | 21.62 | 1.11 | 54 | 90 | 17.6 | 9.65 | 1.3 | 49 | 89 | 7.03 | 46.38 | 1 |
| 13-12-2024 | 40 | 79 | NA | 17.6 | 1.6 | 46 | 91 | 20.11 | 30.95 | 1.3 | 47 | 87 | 11.41 | 23.01 | 0.98 | 58 | 79 | 17.5 | 9.65 | 0.79 | 44 | 91 | 6.51 | 35.77 | 0.92 |
| 14-12-2024 | 49 | 90 | NA | 14.2 | 1.8 | 40 | 92 | 17.96 | 23.52 | 0.83 | 52 | 88 | 11.21 | 26.76 | 0.96 | 50 | 92 | 17.39 | 10.12 | 0.54 | 52 | 91 | 7.58 | 41.44 | 1.02 |
| 15-12-2024 | 56 | 82 | NA | 10.1 | 1.9 | 48 | 91 | 17.55 | 21.47 | 1.22 | 51 | 94 | 10.77 | 21.08 | 0.94 | 52 | 93 | 17.27 | 9.65 | 0.6 | 51 | 78 | 7.13 | 40.66 | 1.05 |
| 16-12-2024 | 51 | 91 | NA | 10.0 | 2.0 | 58 | 94 | 17.37 | 22.27 | 1.16 | 42 | 91 | 10.98 | 18.15 | 0.88 | 58 | 89 | 17.47 | 9.27 | 0.8 | 57 | 84 | 7.9 | 38.02 | 0.94 |
| 17-12-2024 | 37 | 87 | NA | 12.3 | 1.5 | 56 | 91 | 16.74 | 20.82 | 1.29 | 49 | 90 | 10.81 | 17.3 | 0.99 | 46 | 91 | 17.52 | 9.97 | 1.02 | 46 | 91 | 8.22 | 39.58 | 1.05 |
| 18-12-2024 | 44 | 81 | NA | 15.6 | 1.2 | 49 | 90 | 16.49 | 19.61 | 1.11 | 53 | 87 | 11.3 | 19.86 | 1.13 | 57 | 90 | 17.79 | 9.35 | 0.82 | 49 | 90 | 8.04 | 39.39 | 1.17 |
| 19-12-2024 | 58 | 84 | NA | 18.7 | 1.2 | 55 | 92 | 17.48 | 19.04 | 1.25 | 60 | 84 | 10.74 | 17.69 | 1.13 | 32 | 58 | 17.73 | 8.62 | 0.83 | 53 | 91 | 7.44 | 46.59 | 1.27 |
| 20-12-2024 | 49 | 90 | NA | 19.0 | 1.2 | 46 | 90 | 9.87 | 17.76 | 1.36 | 57 | 88 | 10.03 | 15.14 | 1.16 | 31 | 89 | 19.31 | NA | 0.89 | 57 | 91 | 6.91 | 46.14 | 1.1 |
| 21-12-2024 | 56 | 94 | NA | 19.3 | 1.6 | 49 | 89 | 5.75 | 17.43 | 0.89 | 47 | 91 | 9.87 | 17.37 | 1.48 | 39 | 85 | 20.24 | NA | 1.02 | 57 | 87 | 7.57 | 35.25 | 0.95 |
| 22-12-2024 | 45 | 89 | NA | 19.6 | 1.1 | 36 | 85 | 6.23 | 14.71 | 0.84 | 36 | 92 | 9.67 | 15.68 | 1.38 | 46 | 91 | 17.16 | NA | 1.34 | 38 | 83 | 7.33 | 34 | 0.85 |
| 23-12-2024 | 44 | 87 | NA | 19.7 | 1.0 | 35 | 92 | 6.24 | 14.27 | 0.86 | 38 | 92 | 9.34 | 14.25 | 0.94 | 49 | 87 | 16.89 | 10.72 | 0.99 | 33 | 70 | 7.5 | 29.37 | 0.81 |
| 24-12-2024 | 58 | 90 | NA | 19.8 | 1.1 | 46 | 93 | 6.23 | 16.79 | 1.12 | 44 | 89 | 9.05 | 19.6 | 0.95 | 43 | 88 | 15.24 | 10.42 | 1.64 | 25 | 78 | 7.32 | 36.55 | 1.03 |
| 25-12-2024 | 39 | 91 | NA | 19.8 | 1.2 | 45 | 91 | 5.85 | 20.29 | 1.07 | 49 | 84 | 10.05 | 24.03 | 1.04 | 55 | 90 | 16.93 | 10.26 | 1.87 | 17 | 77 | 7.31 | 38.01 | 1.02 |
| 26-12-2024 | 44 | 76 | NA | 19.8 | 1.2 | 45 | 91 | 5.32 | 19.14 | 1.15 | 47 | 88 | 9.55 | 28.49 | 1.08 | 56 | 93 | 17.18 | 9.9 | 1.49 | 52 | 69 | 5.66 | 43.8 | 1.08 |
| 27-12-2024 | 54 | 91 | NA | 19.9 | 1.3 | 47 | 86 | 5.23 | 18.59 | 1.29 | 43 | 91 | 9.03 | 27.21 | 1.27 | 47 | 90 | 23.2 | 9.51 | 1.38 | 55 | 86 | 6.01 | 39.69 | 1.14 |
| 28-12-2024 | 54 | 80 | NA | 19.9 | 1.2 | 56 | 89 | 5.12 | 17.18 | 1.45 | 44 | 84 | 8.6 | 17.19 | 1.11 | 51 | 91 | 20.47 | 10.54 | 1.28 | 58 | 85 | 6.44 | 36.37 | 1.08 |
| 29-12-2024 | 58 | 89 | NA | 19.8 | 1.2 | 44 | 88 | 5.36 | 19.37 | 1.2 | 57 | 92 | 8.71 | 21.47 | 1.78 | 57 | 91 | 26.45 | 9.87 | 1.27 | 54 | 88 | 6.8 | 38.63 | 1.06 |
| 30-12-2024 | 45 | 85 | NA | 19.8 | 1.1 | 35 | 91 | 5.39 | 20.55 | 1.19 | 45 | 87 | 9.24 | 25.64 | 1.67 | 50 | 87 | 28.21 | 9.65 | 0.67 | 51 | 89 | 6.75 | 40.73 | 0.95 |
| 31-12-2024 | 46 | 88 | NA | 19.7 | 1.3 | 37 | 91 | 5.27 | 20.13 | 1.11 | 47 | 90 | 13.53 | 19.56 | 0.98 | 53 | 89 | 19.46 | 9.25 | 0.39 | 58 | 91 | 9.04 | 47.46 | 1.08 |
| Max (µg/m3) | 58 | 94 | 0 | 64 | 2 | 58 | 94 | 23 | 31 | 1 | 60 | 94 | 22 | 28 | 2 | 58 | 93 | 36 | 11 | 2 | 58 | 93 | 9 | 47 | 1 |
| Min (µg/m3) | 36 | 65 | 0 | 10 | 1 | 33 | 47 | 5 | 3 | 1 | 35 | 61 | 9 | 8 | 1 | 31 | 58 | 15 | 8 | 0 | 17 | 69 | 6 | 29 | 1 |
| Average (µg/m3) | 48 | 85 | #DIV/0! | 22 | 1 | 45 | 88 | 12 | 15 | 1 | 45 | 86 | 12 | 17 | 1 | 49 | 86 | 21 | 10 | 1 | 49 | 86 | 7 | 40 | 1 |
| Standards | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 |

Showing NA due to the Processor Under observation.

Preapared By
Dr.P.P.Nanduskar
Manager (Environment)

Checked By
Satish Kumar Chouchary
General Manager (Environment)

## B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

### a). AMBIENT AIR QUALITY(AAQ):

| Location | Near Kasumata Temple | | | | | Near Coke Oven Plant | | | | | Near Goa Gate | | | | | Near MSEB Substation | | | | | Near Dolvi Village | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO |
| 01-01-2025 | 52 | 90 | NA | 19.7 | 1.2 | 51 | 90 | 5.48 | 20.48 | 1.32 | 53 | 88 | 15.03 | 11.71 | 0.99 | 46 | 85 | | 8.46 | 0.84 | 58 | 81 | 8.33 | 42.96 | 1.07 |
| 02-01-2025 | 57 | 82 | NA | 19.8 | 1.1 | 48 | 95 | 5.38 | 20.71 | 1.22 | 46 | 88 | 12.11 | 11.01 | 0.79 | 48 | 88 | | 9.13 | 1.13 | 55 | 80 | 7.89 | 43.64 | 0.92 |
| 03-01-2025 | 58 | 92 | NA | 19.7 | 1.3 | 52 | 92 | 5.48 | 25.22 | 1.13 | 33 | 90 | 4.47 | 14.07 | 0.91 | 39 | 90 | | 9.51 | 1.12 | 59 | 81 | 8 | 38.01 | 0.9 |
| 04-01-2025 | 59 | 90 | NA | 19.5 | 1.5 | 50 | 95 | 5.53 | 21.35 | 1.03 | 47 | 92 | 6.07 | 18.93 | 1.07 | 44 | 88 | | 9.05 | 1.03 | 59 | 83 | 7.89 | 38.64 | 0.9 |
| 05-01-2025 | 59 | 95 | NA | 19.2 | 1.8 | 51 | 90 | 5.59 | 18.46 | 1.27 | 50 | 90 | 5.54 | 16.81 | 1.23 | 48 | 95 | | 8.59 | 1.4 | 45 | 86 | 7.98 | 41.07 | 1.17 |
| 06-01-2025 | 54 | 90 | NA | 19.2 | 1.4 | 50 | 89 | 5.55 | 17.89 | 1.17 | 52 | 91 | 5.69 | 18.35 | 1.17 | 50 | 90 | | 9.76 | 1.89 | 47 | 85 | 8.1 | 31.4 | 1.02 |
| 07-01-2025 | 52 | 93 | NA | 19.1 | 1.5 | 49 | 81 | 5.63 | 16.82 | 1.05 | 51 | 92 | 5.79 | 30.78 | 1.26 | 52 | 91 | | 10 | 1.94 | 51 | 90 | 8.21 | 47.57 | 1.08 |
| 08-01-2025 | 50 | 93 | NA | 19.1 | 1.5 | 53 | 88 | 5.83 | 17.43 | 1.06 | 53 | 94 | 6.9 | 24.43 | 1.19 | 55 | 90 | | 9.68 | 1.59 | 55 | 88 | 7.99 | 43.59 | 1.16 |
| 09-01-2025 | 56 | 94 | NA | 19.1 | 1.5 | 57 | 90 | 6.61 | 17.35 | 1.05 | 48 | 93 | 7.62 | 20.94 | 1.09 | 46 | 90 | | 9.66 | 1.52 | 52 | 86 | 8.06 | 40.68 | 1.01 |
| 10-01-2025 | 59 | 91 | NA | 19.1 | 1.7 | 58 | 93 | 6.92 | 16.75 | 1.12 | 46 | 92 | 7.3 | 17.35 | 1.06 | 50 | 94 | | 8.63 | 1.6 | 51 | 90 | 6.96 | 38.23 | 0.99 |
| 11-01-2025 | 55 | 90 | NA | 19.0 | 1.5 | 46 | 82 | 6.91 | 15.38 | 1.13 | 49 | 92 | 7.93 | 16.91 | 1.08 | 51 | 92 | Showing NA due to the paintting work is done. analyzer under observation. | 8.87 | 1.8 | 50 | 83 | 6.44 | 42.14 | 0.98 |
| 12-01-2025 | 51 | 96 | NA | 19.0 | 1.5 | 30 | 89 | 6.94 | 16.62 | 1.2 | 53 | 94 | 8.16 | 22.05 | 1.17 | 56 | 92 | | 9.16 | 2.19 | 54 | 86 | 7.07 | 38.68 | 1.08 |
| 13-01-2025 | 52 | 85 | NA | 19.0 | 1.5 | 32 | 80 | 6.98 | 16.93 | 1.17 | 60 | 95 | 7.66 | 21.03 | 1.13 | 54 | 92 | | 8.81 | 1.84 | 53 | 88 | 7.03 | 40.41 | 1.03 |
| 14-01-2025 | 58 | 90 | NA | 19.0 | 1.7 | 48 | 86 | 7.56 | 16.89 | 1.11 | 48 | 93 | 6.3 | 17.46 | 1.93 | 42 | 91 | | 8.55 | 1.5 | 55 | 83 | 6.84 | 36.64 | 0.93 |
| 15-01-2025 | 56 | 91 | NA | 19.0 | 1.5 | 34 | 57 | 8.1 | 15.31 | 1.09 | 42 | 93 | 5.69 | 12.87 | 1.31 | 60 | 92 | | 8.83 | 2.17 | 53 | 81 | 7.36 | 31.92 | 0.99 |
| 16-01-2025 | 51 | 90 | NA | 18.1 | 1.4 | 32 | 75 | 8.26 | 16.17 | 1.2 | 53 | 92 | 6.21 | 18.11 | 1.28 | 58 | 93 | | 9.48 | 2.49 | 53 | 83 | 7.62 | 36.01 | 1.01 |
| 17-01-2025 | 57 | 95 | NA | 18.9 | 1.5 | 35 | 67 | 8.3 | 16.47 | 1.33 | 53 | 94 | 5.84 | 17.15 | 1.23 | 51 | 82 | | 9.34 | 1.61 | 55 | 90 | 7.02 | 36.04 | 1.05 |
| 18-01-2025 | 53 | 90 | NA | 18.9 | 1.5 | 54 | 71 | 8.21 | 15.72 | 1.38 | 52 | 95 | 5.79 | 21.85 | 1.13 | 47 | 93 | | 9.01 | 1.04 | 51 | 89 | 7.31 | 38.48 | 1.05 |
| 19-01-2025 | 50 | 92 | NA | 18.9 | 1.6 | 55 | 93 | 8.29 | 15.95 | 1.5 | 56 | 91 | 4.73 | 17.79 | 1.1 | 53 | 89 | | 8.44 | 1.29 | 59 | 92 | 7.4 | 48.15 | 1 |
| 20-01-2025 | 50 | 81 | NA | 18.9 | 1.5 | 55 | 86 | 8.29 | 15.46 | 1.3 | 56 | 90 | 5.16 | 17.78 | 1.1 | 56 | 92 | | 8.16 | 1.44 | 56 | 95 | 7.31 | 44.3 | 1.05 |
| 21-01-2025 | 58 | 93 | NA | 18.9 | 1.4 | 33 | 67 | 8.33 | 15.64 | 1.2 | 56 | 91 | 5.88 | 19.86 | 1.04 | 46 | 92 | | 8.44 | 1.41 | 57 | 95 | 7.42 | 47.02 | 1.09 |
| 22-01-2025 | 49 | 87 | NA | 18.8 | 1.5 | 41 | 75 | 8.56 | 16.92 | 1.23 | 57 | 90 | 4.96 | 21.38 | 0.9 | 49 | 94 | | 8.5 | 1.78 | 58 | 94 | 6.91 | 59.33 | 1.09 |
| 23-01-2025 | 46 | 92 | NA | 18.9 | 1.5 | 32 | 91 | 8.25 | | 1.02 | 55 | 95 | 5.81 | 28.14 | 1.02 | 47 | 92 | | 8.94 | 1.69 | 51 | 93 | 7.46 | 50.15 | 1.04 |
| 24-01-2025 | 50 | 93 | NA | 18.9 | 1.5 | 30 | 76 | 8.58 | | 1.35 | 57 | 90 | 6.65 | 29.07 | 1.76 | 43 | 91 | | 8.35 | 1.75 | 56 | 92 | 7.53 | 49.44 | 1.29 |
| 25-01-2025 | 57 | 95 | NA | 18.9 | 1.6 | 37 | 82 | 8.65 | | 1.05 | 41 | 94 | 5.91 | 16.38 | 1.21 | 32 | 79 | | 8.35 | 1.19 | 50 | 92 | 6.94 | 47.67 | 1.01 |
| 26-01-2025 | 54 | 87 | NA | 18.9 | 1.9 | 38 | 91 | 8.75 | Showing NA due to the analyzer maintanana ce analyzer under observation . | 1.46 | 49 | 93 | 6.02 | 18.5 | 1.41 | 39 | 86 | | 7.92 | 1.35 | 59 | 93 | 7.44 | 49.95 | 1.24 |
| 27-01-2025 | 50 | 92 | NA | 18.9 | 1.8 | 41 | 91 | 8.81 | | 1.48 | 46 | 92 | 5.97 | 14.8 | 1.26 | 23 | 59 | | 7.89 | 1.64 | 51 | 90 | 7.34 | 43.5 | 1.15 |
| 28-01-2025 | 57 | 92 | NA | 18.7 | 1.6 | 44 | 81 | 8.76 | | 1.33 | 51 | 94 | 6.13 | 21.41 | 1.58 | Due tc internet problem ( Internet cable cut) | | | | | 58 | 90 | 7.07 | 51.17 | 1.06 |
| 29-01-2025 | 48 | 94 | NA | 18.5 | 2.0 | 45 | 84 | 8.7 | | 1.21 | 38 | 90 | 5.49 | 17.01 | 1.92 | | | | | | 47 | 93 | 6.89 | 44.3 | 0.88 |
| 30-01-2025 | 54 | 86 | NA | 18.5 | 1.9 | 27 | 54 | 8.71 | | 0.99 | 49 | 95 | 5.98 | 24.12 | 1.12 | | | | | | 60 | 94 | 7.09 | 51.09 | 0.97 |
| 31-01-2025 | 58 | 95 | NA | 18.6 | 1.6 | 28 | 56 | 8.79 | | 0.99 | 39 | 92 | 5.56 | 22.25 | 1.95 | | | | | | 53 | 91 | 6.79 | 42.31 | 0.91 |
| Max (µg/m3) | 59 | 96 | 0 | 20 | 2 | 58 | 95 | 9 | 25 | 2 | 60 | 95 | 15 | 31 | 2 | 60 | 95 | 0 | 10 | 2 | 60 | 95 | 8 | 59 | 1 |
| Min (µg/m3) | 46 | 81 | 0 | 18 | 1 | 27 | 54 | 5 | 15 | 1 | 33 | 88 | 4 | 11 | 1 | 23 | 59 | 0 | 8 | 1 | 45 | 80 | 6 | 31 | 1 |
| Average (µg/m3) | 54 | 91 | #DIV/0! | 19 | 2 | 43 | 82 | 7 | 18 | 1 | 50 | 92 | 7 | 19 | 1 | 48 | 89 | ###### | 9 | 2 | 54 | 88 | 7 | 43 | 1 |
| Standards | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 |

Showing NA due to the Processor Under observation.

Prepared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

## B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

### a). AMBIENT AIR QUALITY(AAQ):

| Location | Near Kasumata Temple | | | | | Near Coke Oven Plant | | | | | Near Goa Gate | | | | | Near MSEB Substation | | | | | Near Dolvi Village | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO |
| 01-02-2025 | 40 | 76 | NA | 18.6 | 1.6 | 26 | 41 | 8.69 | NA | 0.8 | 35 | 92 | 5.36 | 19.85 | 0.82 | 37 | 89 | 12.84 | 9.01 | 1.21 | 38 | 88 | 7.35 | 55.35 | 0.8 |
| 02-02-2025 | 54 | 95 | NA | 18.6 | 1.6 | 24 | 54 | 8.69 | NA | 0.98 | 36 | 90 | 6.4 | 15.74 | 0.93 | 41 | 84 | 9.57 | 8.39 | 1.02 | 54 | 91 | 6.96 | 37.7 | 0.9 |
| 03-02-2025 | 59 | 85 | NA | 18.6 | 1.6 | 30 | 60 | 8.95 | NA | 1.1 | 35 | 79 | 5.49 | 22.52 | 0.92 | 32 | 91 | 8.63 | 8.54 | 1.65 | 52 | 85 | 6.74 | 42.14 | 0.9 |
| 04-02-2025 | 44 | 79 | NA | 18.6 | 1.6 | 24 | 50 | 9.03 | NA | 1.19 | 33 | 89 | 5.12 | 16.99 | 0.84 | 34 | 90 | 10.54 | 9.27 | 1.23 | 48 | 84 | 7.46 | 47.6 | 0.8 |
| 05-02-2025 | 52 | 90 | NA | 18.6 | 1.7 | 28 | 59 | 8.57 | NA | 0.97 | 46 | 95 | 5.68 | 20.42 | 0.94 | 40 | 92 | 8.53 | 10.82 | 0.6 | 45 | 91 | 7.32 | 34.86 | 0.8 |
| 06-02-2025 | 53 | 91 | NA | 18.5 | 1.8 | 27 | 60 | 8.58 | NA | 1.13 | 44 | 82 | 5.34 | 25.97 | 1.08 | 32 | 92 | 12.52 | 21.02 | 1.64 | 55 | 92 | 8.09 | 55.5 | 1 |
| 07-02-2025 | 55 | 93 | NA | 20.6 | 1.7 | 45 | 85 | 13.66 | NA | 1.28 | 43 | 95 | 6.08 | 20.9 | 1.48 | 26 | 90 | 15.32 | 8.89 | 1.74 | 58 | 87 | 7.76 | 47.11 | 1.1 |
| 08-02-2025 | 24 | 87 | NA | 18.7 | 1.9 | 49 | 89 | 20.45 | NA | 1.18 | 44 | 92 | 6.17 | 19.44 | 1.32 | 30 | 88 | 13.93 | 9.82 | 1.63 | 53 | 90 | 8.36 | 43.77 | 1.1 |
| 09-02-2025 | 50 | 80 | NA | 18.7 | 1.9 | 44 | 84 | 20.52 | NA | 1.04 | 45 | 88 | 5.39 | 21.66 | 1.11 | 43 | 77 | 15.5 | 8.72 | 1.24 | 52 | 91 | 7.63 | 47.1 | 0.9 |
| 10-02-2025 | 41 | 73 | NA | 18.7 | 1.9 | 54 | 61 | 18.04 | NA | 1.01 | 31 | 93 | 5.5 | 16.32 | 0.75 | 42 | 82 | 14.43 | 10.28 | 1.78 | 42 | 89 | 7.96 | 46.54 | 0.8 |
| 11-02-2025 | 50 | 77 | NA | 18.6 | 1.8 | 29 | 60 | 20.48 | NA | 0.89 | 39 | 95 | 6.14 | 29.12 | 0.85 | 39 | 90 | 13.72 | 9.72 | 1.2 | 49 | 83 | 7.3 | 52.73 | 0.9 |
| 12-02-2025 | 58 | 90 | NA | 18.6 | 1.7 | 28 | 75 | 19.8 | NA | 1.21 | 45 | 90 | 5.6 | 21.03 | 0.91 | 31 | 82 | 9.98 | 11.99 | 1.57 | 45 | 81 | 7.73 | 39.29 | 1 |
| 13-02-2025 | 52 | 92 | NA | 18.7 | 1.5 | 35 | 79 | 18.94 | NA | 1.07 | 42 | 85 | 5.23 | 20.29 | 0.92 | 42 | 88 | 7.68 | 11.58 | 1.02 | 46 | 90 | 7.55 | 51.04 | 0.9 |
| 14-02-2025 | 47 | 91 | NA | 19.1 | 1.3 | 40 | 87 | 13.57 | NA | 1.03 | 38 | 88 | 4.86 | 14.43 | 0.89 | 56 | 80 | 14.06 | 16.92 | 1.53 | 50 | 91 | 8.01 | 52.05 | 0.9 |
| 15-02-2025 | 59 | 93 | NA | 17.1 | 1.4 | 39 | 89 | 8.53 | NA | 1.13 | 35 | 86 | 6.27 | 16.87 | 0.86 | 50 | 83 | 10.16 | 15.2 | 1.58 | 46 | 94 | 8.03 | 50.44 | 0.9 |
| 16-02-2025 | 58 | 77 | NA | 16.6 | 1.4 | 39 | 80 | 9.04 | NA | 1.05 | 36 | 87 | 5.79 | 20.46 | 0.85 | 49 | 92 | 7.48 | 11.23 | 1.3 | 47 | 90 | 8.22 | 58.94 | 0.9 |
| 17-02-2025 | 45 | 87 | NA | 16.4 | 1.4 | 24 | 51 | 9.26 | NA | 1.01 | 32 | 81 | 4.93 | 12.67 | 0.77 | 37 | 91 | 6.96 | 12.8 | 1.38 | 50 | 92 | 7.08 | 55.18 | 0.8 |
| 18-02-2025 | 55 | 88 | NA | 16.4 | 1.4 | 30 | 64 | 8.36 | NA | 1.05 | 38 | 87 | 6.6 | 8.2 | 0.78 | 36 | 90 | 7.32 | 12.48 | 1.2 | 35 | 87 | 7.55 | 50.14 | 0.9 |
| 19-02-2025 | 50 | 94 | NA | 16.4 | 1.4 | 56 | 92 | 9.41 | NA | 0.99 | 35 | 88 | 7.18 | 9.22 | 0.83 | 56 | 93 | 7.34 | 11.63 | 1.53 | 37 | 91 | 7.57 | 54.01 | 0.9 |
| 20-02-2025 | 55 | 92 | NA | 16.4 | 1.4 | 58 | 82 | 9.06 | NA | 0.98 | 40 | 95 | 8.06 | 9.56 | 0.95 | 47 | 90 | 7.43 | 11.81 | 1.53 | 47 | 90 | 7.98 | 50.15 | 1 |
| 21-02-2025 | 54 | 91 | NA | 16.4 | 1.4 | 52 | 78 | 8.64 | NA | 1.1 | 41 | 92 | 6.93 | 15.24 | 0.92 | 57 | 91 | 7.97 | 11.8 | 1.75 | 40 | 92 | 7.14 | 47.52 | 0.9 |
| 22-02-2025 | 59 | 90 | NA | 16.3 | 1.5 | 57 | 95 | 8.37 | NA | 1.18 | 39 | 91 | 6.24 | 18.8 | 1.02 | 41 | 86 | 5.21 | 11.4 | 1.26 | 42 | 90 | 7.65 | 63.02 | 1 |
| 23-02-2025 | 47 | 85 | NA | 16.3 | 1.5 | 49 | 90 | 8.74 | NA | 0.99 | 35 | 94 | 7.55 | 9.97 | 0.97 | 44 | 84 | 5.38 | 10.35 | 1.5 | 31 | 91 | 7.54 | 43.74 | 0.9 |
| 24-02-2025 | 52 | 88 | NA | 16.3 | 1.5 | 56 | 96 | 8.53 | NA | 0.88 | 36 | 90 | 7.04 | 8.46 | 1.09 | 29 | 87 | 5.52 | 10.24 | 1.01 | 28 | 84 | 7.12 | 44.72 | 0.8 |
| 25-02-2025 | 57 | 86 | NA | 16.3 | 1.6 | 51 | 86 | 10.1 | NA | 0.96 | 37 | 91 | 7.46 | 9.83 | 1.72 | 31 | 89 | 4.96 | 10.29 | 0.66 | 31 | 89 | 7.94 | 46.69 | 0.9 |
| 26-02-2025 | 51 | 95 | NA | 16.2 | 1.6 | 58 | 96 | 13.34 | NA | 0.85 | 33 | 86 | 6.93 | 9.21 | 1.39 | 26 | 92 | 5.05 | 10.68 | 0.72 | 33 | 90 | 8.04 | 51 | 0.9 |
| 27-02-2025 | 56 | 94 | NA | 16.1 | 1.6 | 52 | 87 | 12.04 | NA | 0.93 | 34 | 88 | 7.26 | 9.54 | 1.44 | 26 | 91 | 5.01 | 10.55 | 0.84 | 33 | 94 | 7.92 | 50.3 | 1 |
| 28-02-2025 | 57 | 92 | NA | 16.1 | 1.6 | 55 | 94 | 11.14 | NA | 1.09 | 37 | 85 | 6.24 | 8.63 | 1.04 | 39 | 90 | 5 | 10 | 1 | 34 | 68 | 8.16 | 45.17 | 0.9 |
| Max (µg/m3) | 59 | 95 | 0 | 21 | 2 | 58 | 96 | 21 | 0 | 1 | 46 | 95 | 8 | 29 | 2 | 57 | 93 | 16 | 21 | 2 | 58 | 94 | 8 | 63 | 1 |
| Min (µg/m3) | 24 | 73 | 0 | 16 | 1 | 24 | 41 | 8 | 0 | 1 | 31 | 79 | 5 | 8 | 1 | 26 | 77 | 5 | 8 | 1 | 28 | 68 | 7 | 35 | 1 |
| Average (µg/m3 | 51 | 88 | #DIV/0! | 18 | 2 | 42 | 76 | 12 | #DIV/0! | 1 | 38 | 89 | 6 | 16 | 1 | 39 | 88 | 9 | 11 | 1 | 44 | 88 | 8 | 49 | 1 |
| Standards | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 |

Showing NA due to Analyzer under observation

Preapared By
Dr.P.P.Nandusekar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

## B. AMBIENT AIR QUALITY & FUGITIVE EMISSIONS:

### a). AMBIENT AIR QUALITY(AAQ):

| Location | Near Kasumata Temple | | | | | Near Coke Oven Plant | | | | | Near Goa Gate | | | | | Near MSEB Substation | | | | | Near Dolvi Village | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO | PM2.5 | PM10 | SO2 | NOX | CO |
| 01-03-2025 | 17 | 81 | NA | 16.1 | 1.5 | 35 | 82 | 11.2 | NA | 1.15 | 10 | 91 | 7.00 | 15.19 | 1.2 | 59 | 88 | 5.54 | 10.76 | 1.34 | 44 | 93 | 7.62 | 51.21 | 1.0 |
| 02-03-2025 | 29 | 80 | NA | 16.0 | 1.4 | 29 | 80 | 11.3 | NA | 0.94 | 50 | 82 | 7.85 | 10.72 | 1.14 | 43 | 88 | 5.39 | 10.6 | 1.84 | 31 | 85 | 7.89 | 37.71 | 0.9 |
| 03-03-2025 | 37 | 81 | NA | 16.1 | 1.4 | 49 | 86 | 11.11 | NA | 0.92 | 44 | 93 | 7.03 | 8.4 | 0.98 | 60 | 90 | 5.27 | 10.73 | 2.22 | 28 | 81 | 7.69 | 34.84 | 0.9 |
| 04-03-2025 | 19 | 83 | NA | 16.1 | 1.3 | 11 | 85 | 10.94 | NA | 1.13 | 44 | 97 | 8.16 | 11.63 | 0.98 | 54 | 92 | 5.39 | 11.53 | 2.49 | 23 | 92 | 7.72 | 39.57 | 0.9 |
| 05-03-2025 | 45 | 86 | NA | 16.1 | 1.3 | 23 | 88 | 10.95 | NA | 1.01 | 28 | 95 | 7.35 | 9.81 | 0.86 | 25 | 95 | 4.81 | 11.53 | 1.7 | 54 | 84 | 7.31 | 39.98 | 0.8 |
| 06-03-2025 | 47 | 85 | 5.4 | 16.0 | 1.1 | 17 | 90 | 10.84 | NA | 1.14 | 16 | 90 | 7.45 | 12.34 | 1.05 | 16 | 93 | 5.34 | 11.2 | 2.19 | 56 | 82 | 7.53 | 51.99 | 0.8 |
| 07-03-2025 | 41 | 90 | 4.4 | 15.9 | 1.1 | 49 | 88 | 14.79 | NA | 1.03 | 55 | 93 | 7.73 | 8.22 | 1.07 | 11 | 94 | 4.86 | 10.45 | 1.64 | 48 | 88 | 8.33 | 55.29 | 1.0 |
| 08-03-2025 | 13 | 88 | 3.6 | 15.9 | 1.2 | 45 | 95 | 13.1 | NA | 1.29 | 45 | 93 | 7.29 | 7.14 | 1.13 | 20 | 94 | 4.54 | 10.38 | 1.75 | 24 | 89 | 7.93 | 50.58 | 1.0 |
| 09-03-2025 | 36 | 86 | 3.2 | 15.9 | 1.2 | 33 | 91 | 3.38 | NA | 1.03 | 38 | 94 | 7.78 | 9.82 | 0.9 | 16 | 93 | 4.64 | 10.12 | 1.69 | 29 | 92 | 7.85 | 0.00 | 0.9 |
| 10-03-2025 | 58 | 90 | 2.5 | 15.9 | 1.2 | 56 | 91 | 4.45 | NA | 1.12 | 15 | 91 | 7.57 | 15.0 | 2.05 | 32 | 92 | 4.57 | 10.5 | 1.21 | 16 | 87 | 7.56 | 54.45 | 1.1 |
| 11-03-2025 | 56 | 83 | 2.0 | 15.9 | 1.7 | 45 | 90 | 7.29 | NA | 1.43 | 50 | 90 | 7.86 | 7.14 | 1.77 | 37 | 92 | 4.41 | 10.05 | 1.33 | 16 | 90 | 7.54 | 45.14 | 1.3 |
| 12-03-2025 | 25 | 86 | 1.3 | 15.8 | 1.5 | 31 | 90 | 6.72 | NA | 1.09 | 59 | 96 | 7.33 | 12.71 | 1.55 | 40 | 94 | 4.53 | 10.32 | 1.05 | 56 | 83 | 7.12 | 57.91 | 1.0 |
| 13-03-2025 | 48 | 88 | 3.4 | 15.8 | 1.5 | 10 | 94 | 5.49 | NA | 1.00 | 43 | 85 | 8.13 | 8.28 | 1.39 | 48 | 95 | 4.68 | 10.24 | 1.44 | 41 | 86 | 7.91 | 41.39 | 1.0 |
| 14-03-2025 | 16 | 83 | 5.8 | 15.8 | 1.3 | 18 | 92 | 5.94 | NA | 1.14 | 18 | 97 | 8.54 | 8.39 | 1.34 | 54 | 93 | 5.13 | 10.23 | 1.83 | 37 | 66 | 7.94 | 41.79 | 1.0 |
| 15-03-2025 | 38 | 81 | 6.0 | 15.8 | 1.2 | 46 | 96 | 5.89 | NA | 1.17 | 44 | 91 | 8.18 | 10.87 | 1.06 | 21 | 93 | 5.1 | 10.61 | 1.7 | 33 | 65 | 8.16 | 44.54 | 0.9 |
| 16-03-2025 | 56 | 83 | 5.8 | 15.8 | 1.2 | 27 | 91 | 6 | NA | 0.93 | 43 | 90 | 8.51 | 15.18 | 0.95 | 26 | 92 | 4.87 | 10.51 | 1.62 | 34 | 72 | 7.93 | 49.94 | 0.8 |
| 17-03-2025 | 51 | 90 | 5.8 | 15.7 | 1.2 | 25 | 92 | 6.22 | NA | 0.78 | 51 | 95 | 8.85 | 9.77 | 0.91 | 39 | 94 | 5.14 | 10.61 | 1.69 | 45 | 69 | 7.83 | 80.54 | 0.7 |
| 18-03-2025 | 12 | 89 | 5.3 | 15.8 | 1.0 | 40 | 92 | 6.34 | NA | 0.69 | 32 | 90 | 8.53 | 11.5 | 0.92 | 20 | 95 | 5.54 | 11.84 | 1.51 | 22 | 78 | 7.35 | NA | 0.7 |
| 19-03-2025 | 43 | 92 | 4.5 | 15.7 | 0.9 | 13 | 93 | 6.54 | 16.92 | 0.95 | 12 | 92 | 8.36 | 11.83 | 1.03 | 16 | 91 | 5.36 | 11.59 | 1.44 | 15 | 76 | 7.15 | 39.13 | 0.8 |
| 20-03-2025 | 45 | 91 | 3.8 | 15.7 | 0.9 | 18 | 82 | 6.86 | 29.82 | 0.91 | 28 | 81 | 8.53 | 14.15 | 0.94 | 15 | 90 | 5.29 | 11.47 | 2.31 | 22 | 90 | 7.73 | 56.78 | 0.7 |
| 21-03-2025 | 24 | 90 | 3.1 | 15.7 | 0.9 | 45 | 93 | 6.91 | 34.22 | 0.96 | 13 | 93 | 8.65 | 10.65 | 0.83 | 53 | 91 | 7.37 | 12.73 | 1.63 | 51 | 90 | 7.18 | 43.47 | 0.8 |
| 22-03-2025 | 31 | 90 | 2.3 | 15.7 | 0.9 | 58 | 91 | 7.13 | 22.97 | 0.74 | 36 | 87 | 8.68 | 10.61 | 0.64 | 13 | 90 | 7.39 | 11.18 | 1.03 | 17 | 49 | 7.62 | 39.57 | 0.6 |
| 23-03-2025 | 17 | 93 | 1.4 | 15.7 | 0.9 | 33 | 92 | 7.14 | 20.03 | 0.87 | 55 | 97 | 8.52 | 10.24 | 1.39 | 30 | 90 | 7.56 | 10.63 | 1.16 | 30 | 64 | 7.74 | 35.00 | 0.6 |
| 24-03-2025 | 35 | 92 | 2.8 | 15.7 | 1.2 | 25 | 92 | 7.01 | 17.42 | 0.81 | 52 | 93 | 8.61 | 5.54 | 0.89 | 29 | 93 | 7.32 | 11.73 | 1.97 | 52 | 62 | 7.73 | 36.29 | 0.8 |
| 25-03-2025 | 36 | 92 | 4.0 | 15.5 | 1.0 | 48 | 94 | 7.25 | 22.6 | 0.82 | 42 | 95 | 9.1 | 9.42 | 0.82 | 22 | 94 | 8.19 | 16.4 | 1.79 | 31 | 61 | 8.00 | 40.41 | 0.7 |
| 26-03-2025 | 51 | 93 | 3.8 | 15.5 | 1.1 | 37 | 92 | 7.27 | 19.39 | 0.74 | 19 | 87 | 8.76 | 7.58 | 0.59 | 32 | 93 | 8.01 | 25.14 | 2.04 | 41 | 42 | 7.37 | 32.39 | 0.6 |
| 27-03-2025 | 58 | 90 | 3.5 | 15.5 | 0.9 | 22 | 91 | 7.43 | 17.9 | 0.67 | 20 | 92 | 8.5 | 11.43 | 0.59 | 44 | 86 | 6.98 | 70.87 | 2.3 | 51 | 48 | 7.19 | 36.56 | 0.5 |
| 28-03-2025 | 59 | 90 | 3.2 | 15.5 | 0.8 | 31 | 79 | 7.37 | 19.35 | 0.71 | 56 | 92 | 8.97 | 9.19 | 0.65 | 51 | 92 | 7.00 | NA | 2.5 | 21 | 81 | 7.6 | 47.34 | 0.6 |
| 29-03-2025 | 44 | 93 | 2.5 | 15.5 | 0.9 | 18 | 86 | 7.45 | 32.4 | 0.86 | 10 | 94 | 9.36 | 13.79 | 1.11 | 47 | 81 | 9.28 | NA | 1.15 | 54 | 90 | 8.06 | 56.31 | 0.9 |
| 30-03-2025 | 25 | 94 | 1.7 | 15.5 | 1.3 | 23 | 59 | 7.55 | 26.05 | 1.42 | 29 | 86 | 8.53 | 6.59 | 1.16 | 46 | 80 | 18.32 | NA | 1.22 | 29 | 91 | 8.23 | 43.07 | 1.0 |
| 31-03-2025 | 54 | 91 | 1.2 | 15.5 | 1.7 | 59 | 80 | 7.62 | 15.21 | 1.09 | 43 | 95 | 8.34 | 5.68 | 1.34 | 32 | 90 | 16.81 | NA | 0.71 | 50 | 64 | 7.65 | 30.63 | 0.8 |
| Max (µg/m3) | 59 | 94 | 6 | 16 | 2 | 59 | 96 | 15 | 34 | 1 | 59 | 97 | 9 | 15 | 2 | 60 | 95 | 18 | 71 | 3 | 56 | 93 | 8 | 81 | 1 |
| Min (µg/m3) | 12 | 80 | 1 | 15 | 1 | 10 | 59 | 3 | 15 | 1 | 10 | 81 | 7 | 6 | 1 | 11 | 80 | 4 | 10 | 1 | 15 | 42 | 7 | 0 | 1 |
| Average (µg/m3) | 38 | 88 | 4 | 16 | 1 | 33 | 88 | 8 | 23 | 1 | 36 | 91 | 8 | 10 | 1 | 34 | 91 | 7 | 14 | 2 | 36 | 77 | 8 | 44 | 1 |
| Standards | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 | 60 | 100 | 80 | 80 | 4 |

Showing NA due to the Processor Analyzer under observation

Preapared By
Dr.P.P.Nanduskar
Manager (Environment)

Checked By
Satish Kumar Choudhary
General Manager (Environment)

Six Monthly Environment Clearance Compliance report and Environment Monitoring report of M/s JSW Steel Ltd., Dolvi, Taluka - Pen, Raigad District, Maharashtra for the period April to September 2024.

Covering...2024.pdf | Annexure I...F.pdf | Annexure I...F.pdf | Annexure II...F.pdf | Annexur...024-F.pdf | Annexur...024-F.pdf | Annexur...Dolvi.pdf | Annexure VI...2.pdf

Satish Kumar Choudhary

Reply | Reply all | Forward

To: eccompliance-mh@gov.in

Sat 2024-11-30 10:43 AM

Cc: roraigad@mpcb.gov.in; SRO Raigad 2 <sroraigad2@mpcb.gov.in>; westzonecpcb@yahoo.com

Covering Letter to MoEFCC f... 86 KB | Annexure I - EC Complaince ... 3 MB | Annexure II - EC Complaince ... 325 KB | Annexure III - EC Compliance... 4 MB | Annexure IV - EC_2020 Com... 8 MB | Annexure V -EC Compliance ... 5 MB | Annexure VI Env Statement a... 604 KB

Show all 8 attachments (23 MB) | Save all to OneDrive - JSW | Download all

**Ref:** i) Environmental Clearance for 3 MTPA vide letter No J-11011/4/96-IA-II dated 31-12-1996.

ii) Environmental Clearance for expansion of steel plant from 3 to 5 MTPA vide letter No J-11011/166/2011-IA-II(I) dated 21-11-2012.

iii) Environmental Clearance for expansion of steel plant from 5 to 10 MTPA vide letter No J-11011/176/2013-IA-II(I) dated 25-08-2015.

iv) Environmental Clearance for changes in configuration for proposed expansion of integrated steel plant from 5 to 10 MTPA vide letter No J-11011/76/2013-IA-II(I) dated 16/06/2020

v) Environmental Clearance for 3.5 (1.0+2.5) MTPA Coke Oven and By-product plant – Transfer of Environmental Clearance accorded for 3.5 MTPA Coke oven plant and By-product plant located at Geetapuram, Dolvi from M/s. Dolvi Coke Projects Ltd. To M/s. JSW Steel Ltd vide EC Letter No F.No. IA-J-11011/497/2017-IA-II(I) dated 22/11/2021.

Dear Sir,

This has reference to the captioned subject and cited references. it is to inform that we are herewith submitting Six monthly compliance reports for the conditions stipulated in Environment Clearance for JSW Steel Ltd., Dolvi Works, Taluka - Pen., Maharashtra for the period April to September 2024 as per the following for your kind consideration.

1) Compliance of Environment Clearance for 3.0 MTPA steel plant – **Annexure I**
2) Environment Clearance for expansion from 3 to 5 MTPA integrated steel plant - **Annexure II**
3) Environment Clearance for expansion from 5 to 10 MTPA integrated steel plant of JSW Steel Ltd., Dolvi Works – **Annexure III**
4) Environment Clearance for changes in configuration for proposed expansion of integrated steel plant from 5 to 10 MTPA vide letter No J-11011/76/2013-IA-II(I) dated 16/06/2020 – **Annexure IV**
5) Environment Clearance for Transfer of EC accorded for 3.5 MTPA Coke oven plant and By-product plant located at Dolvi from M/s. Dolvi Coke Projects Ltd. To M/s. JSW Steel ltd vide EC Letter No F.No. IA-J-11011/497/2017-IA-II(I) dated 22/11/2021– **Annexure V**
6) Environments Statement for Integrated Steel Plant at JSW Steel Ltd., Dolvi Works – **Annexure VI**
7) Environment Monitoring Report for the period April to September 2024 for plants under Phase 1 & 2 in **Annexure VII**

The copy of EC compliance report is also being uploaded in MoEF&CC portal http://environmentclearance.nic.in

Welcome to Environment

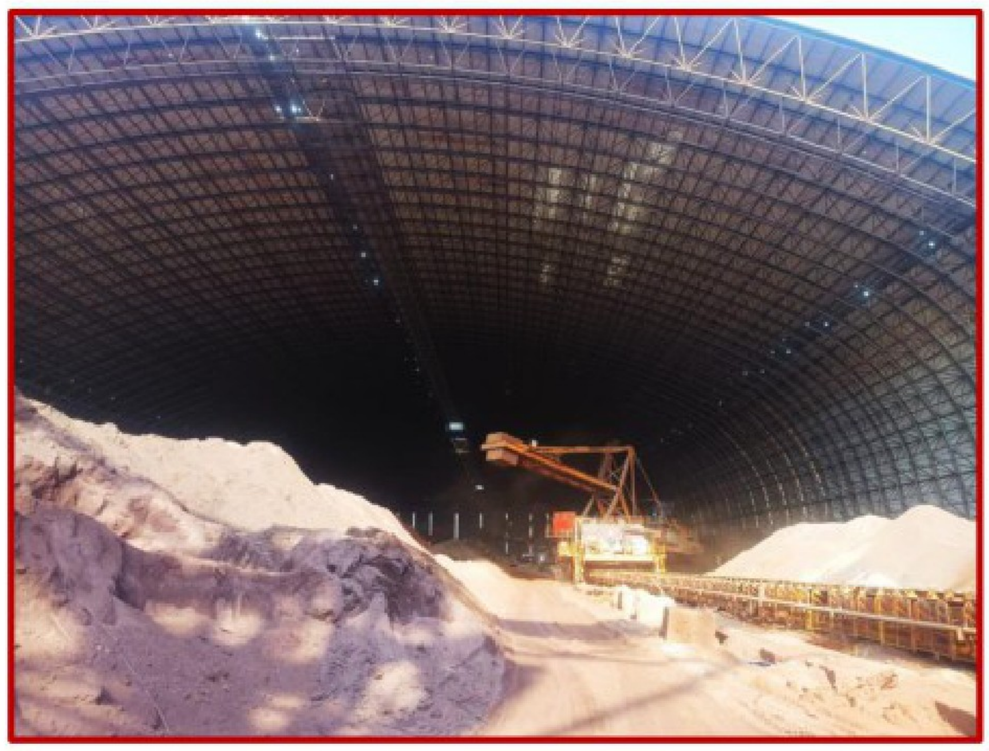
Addendum to the clarification dated 19th May, 2022 on the applicability of EIA Notification, 2006 for Educational Institutions Uploaded on 26/07/2022 Viewed 3854 times ; Registration of complaints through PARIVESH Uploaded on 31/05/2021 Viewed 6295 times ; Guidelines on Public consultation in respect of mining projects of certain categories being considered under the provisions of S.O. 1530

# Annexure- 8


Pictorial view of Continuous ambient air quality monitoring station

Annexure-7

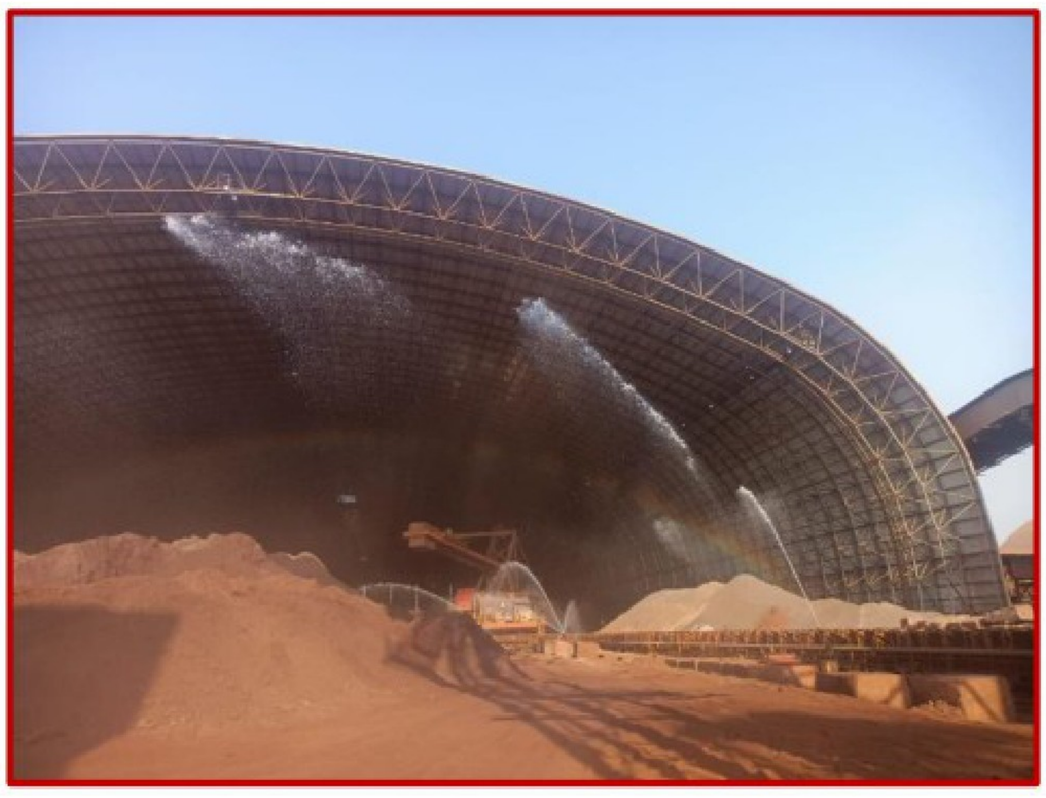
# Raw Material Handling Area



Location – Ore & Flux Yard

Location – IP10 Yard

# Yard Sprinkler System



Location - Ore & Flux Yard

Location - Ore & Flux Yard

## Environment Policy

JSW Steel recognizes nurturing the environment as its prime responsibility for long-term sustainability in and around its areas of operation.

We are committed to:

- Addressing the issue of climate change through efficient use of natural resources, minimization of wastes and developing new grades of Steel with low environmental impact.
- Continual evaluation of environmental impact of its operations and adoption of appropriate technologies and practices to mitigate adverse effects.
- Effective implementation of Environmental Management System for continual improvement.
- Deploying necessary resources to comply with applicable environmental laws, regulations and agreements.
- Enhancing awareness, skills and competencies amongst its employees, associates, suppliers and community to create an eco-friendly society.
- Environmental conservation initiatives and preservation of bio-diversity around the areas of our operation.

Date: 11th November 2022

**Ashish Chandra**
**President (Dolvi, Salav & Anjar)**

**JSW Steel Limited, Dolvi Works**