Outlook

Re: Six-Monthly Compliance Report along with Environmental Monitoring Reports for the period of Oct-2024 to March 2025 |1.75 MTPA Integrated Steel Plant, Naharpali, Raigarh

From Environment Naharpali <env.naharpali@jsw.in>
Date Mon 5/26/2025 4:33 PM
To iro.raipur-mefcc@gov.in <iro.raipur-mefcc@gov.in>; iroraipur@gmail.com <iroraipur@gmail.com>
Cc Vijayasekhar V <vijayasekhar.varampati@jsw.in>; Mahendra Ghritlahre <mahendra.ghritlahre@jsw.in>

1 attachment (9 MB)
EC Compliance report Oct 24-March 25_JSW Steel Ltd. Raigarh.pdf;

Respected Sir/Mam,

Please find enclosed herewith Six-Monthly Compliance Report along with Environmental Monitoring Reports for the period of Oct-2024 to March 2025 with respect to the conditions stipulated in Environmental Clearance accorded vide letter no. J-11011/196/2007–IA II (I) dated 26.12.2007, 31.03.2011, 13.04.2017 and 20.03.2024 (name change) for 1.75 MTPA Integrated Steel Plant, Naharpali, Raigarh, Chhattisgarh.

This is for your kind information and records please.

With Best Regards,

JSW Steel Limited
Environment Department (EHS)
Village & PO: Naharpali, Teh: Kharsia, Raigarh

Outlook

Six-Monthly Compliance Report along with Environmental Monitoring Reports for the period of Oct-2024 to March 2025 |1.75 MTPA Integrated Steel Plant, Naharpali, Raigarh

From Environment Naharpali <env.naharpali@jsw.in>
Date Mon 5/26/2025 4:29 PM
To eccompliance-cg@gov.in <eccompliance-cg@gov.in>
Cc Vijayasekhar V <vijayasekhar.varampati@jsw.in>; Mahendra Ghritlahre <mahendra.ghritlahre@jsw.in>

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From Environment Naharpali <env.naharpali@jsw.in>
Date Mon 5/26/2025 4:30 PM
To Head Office CECB <hocecb@gmail.com>; roraigarh.cecb@gmail.com <roraigarh.cecb@gmail.com>
Cc Vijayasekhar V <vijayasekhar.varampati@jsw.in>; Mahendra Ghritlahre <mahendra.ghritlahre@jsw.in>

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With Best Regards,

JSW Steel Limited
Environment Department (EHS)
Village & PO: Naharpali, Teh: Kharsia, Raigarh

JSW Steel Limited

Raigarh Works : Naharpali, Kharsia Road,
Raigarh - 496 661, Chhattisgarh, India
CIN : L27102MH1994PLC152925
Phone : +91 07762 251000
Website : www.jsw.in

JSWSTEEL/NP/EMD/17/2025

Date: 23.05.2025

To,

The Additional Director,
Ministry of Environment, Forest and Climate Change,
Regional office (WCZ), Ground Floor East Wing,
New Secretariat Building, Civil Line, Nagpur - 440001

Subject: Six Monthly Environmental Monitoring and Compliance Report for the period of Oct- 2024 to Mar -2025 of 1.75 MTPA Integrated Steel Plant, Naharpali, Raigarh, Chhattisgarh.

Reference:

1. Environmental Clearance accorded for 1.75 MTPA Integrated Steel Plant vide letter no. F. No. J-11011/196/2007-IA II(I) dated 26.12.2007;
2. F. No. J-11011/196/2007-IA II(I) dated 31.03.2011
3. F. No. J-11011/196/2007-IA II(I) dated 13.04.2017.
4. Letter No.-3350/SEIAA, C.G./Raigarh, Nawa Raipur, Atal Nagar, Dated 20/03/2024 (For name Change)

Dear Sir,

Please find enclosed herewith Six Monthly Compliance Report along with Environmental Monitoring Reports for the period of Oct- 2024 to Mar -2025 with respect to the conditions stipulated in Environmental Clearance accorded vide letter no. J-11011/196/2007-IA II (I) dated 26.12.2007, 31.03.2011,13.04.2017 & 20.03.2024 for 1.75 MTPA Integrated Steel Plant, Naharpali, Raigarh, Chhattisgarh. Enclosures are us under;

1. Data sheet comprises of Part-I - **Appendix-A**
2. Compliance status Report & Monitoring Report - **Appendix-B**

This is for your kind information and records please.

Thanking Your

Yours faithfully

For JSW Steel Limited Raigarh

V.V Jayalakshmi

Authorized Signatory

Encl: Compliance & Monitoring report.

CC:

1. ***Zonal Officer,*** *Central Pollution Control Board, 3rd Floor, Sarkar Bhawan, North TT Nagar, Bhopal (M.P.) - 462003.*
2. ***Integrated Regional officer (MoEF & CC);*** *Aranya Bhavan, Sec-19, North Block, Block Sector -19, Atal Nagar Raipur (C.G.)*
3. ***Member Secretary,*** *Chhattisgarh Environment Conservation Board, Paryavas Bhawan, North Block Sector -19, Atal Nagar Raipur (C.G.).*
4. ***Regional Officer,*** *Regional Officer, Chhattisgarh Environment Conservation Board, TV Tower Road, Raigarh (Chhattisgarh)*

APPENDIX-A

MONITRORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

Ministry of Environment & Forests, Regional Office (WCZ), Nagpur

Monitoring Report

Part-I

DATA SHEET

1	Project Type	:	1.75 MTPA Integrated Steel Plant
2	Name of the project	:	**JSW STEEL LIMITED, RAIGARH**
3	Clearance letter(s) / OM no. and date	:	J-11011/196/2007.1A.II(I), 26.12.2007, 12.03.2008, 31.03.2011, 16.02.2012 and 13.04.2017,20.03.2024 (Name change).
4	Location		
	District(s)	:	Raigarh
	State(s)	:	Chhattisgarh
	Latitude	:	21°58'30.41" N to 21°59'37.87" N
	Longitude	:	83°13'28.25" E to 83°15'11.29" E
5	Address for correspondence		
	a) Address of concerned Project Chief Engineer (with pin code & telephone / telex/ fax numbers)	:	R.K. Patel (Factory Manager) **JSW STEEL LIMITED, RAIGARH WORK** Village & Post-Naharpali, Tehsil-Kharsia Dist. Raigarh-496661; Ph. 09981991950
	b) Address of Executive Project Engineer / Manager (with pin code / fax numbers).	:	Mr. Vijayasekhar V (EHS-Head) **JSW STEEL LIMITED, RAIGARH WORK** Village & Post-Naharpali, Tehsil-Kharsia Dist. Raigarh-496661; Ph. 09449598089 Email: env.naharpali@jsw.in
6	Salient features		
	a) Of the project	:	Please refer **Annexure- A.**
	b) of the environmental management plans	:	Please refer **Annexure- B.**
7	Break-up of the project area.		
	a) Submergence area (forest & non-forest)	:	Nil
	b) Others	:	227.84 Hectare
8	Break-up of the project Affected population with enumeration of those losing houses / dwelling units only agricultural land only, both dwelling units & agricultural land & landless laborers / artisan.		
	SC, ST / Adivasi's	:	Not Applicable
	Others (Please indicate whether these figures are based on any scientific and systematic survey	:	227.84 Hectares

	carried out or only provisional figures if a survey is carried out give details & year of survey)		
9	Financial details: Project cost as originally planned and subsequent revised estimates and the year of price reference.	:	2025 Crores (as on 2007)
	Actual expenditure incurred on the Environmental Management Department (Oct 2024-Mar 2025)	:	INR- 1.71 Cr. (Details is attached in **Annexure - VIII)**
10	Forest land requirement		
	a) The status of approval for diversion of forest land for non-forestry use	:	Not Applicable
	b) The status of clearing felling	:	Not Applicable
	c) The status of compensatory afforestation, if any	:	Not Applicable
	d) Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far.	:	Not Applicable
	e) The status of approval for diversion of forest land for non-forestry use	:	Not Applicable
11	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.	:	Not Applicable
12	Status of construction		
	a) Date of commencement (Actual and /or planned)	:	2008
	b) Date of completion (Actual and / or planned).	:	Not Applicable as project is operational
13.	Reasons for the delay if the project is yet to start.	:	Not Applicable
14	Dates of site visits		
	a) The dates on which the project was monitored by the Regional Office on previous occasions, if any.	:	23.08.2019
	b) Date of site visit for this monitoring report	:	23.08.2019
15	Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits).	:	11.07.2019

ANNEXURE- {A}

SALIENT FEATURES OF THE PROJECT

JSW STEEL LIMITED (Formerly known as JSW Ispat Special Products Limited.) is located at village-Naharpali, 25 Km away from Raigarh (Chhattisgarh).

Salient features;

- ISO 9001:2015, 14001:2015, 45001:2018 & ISO 50001:2018 Certified Company.
- Plant was established in the year 2008 with the identity of Monnet Ispat and Energy Limited.
- It is close to National Highway NH-200, nearest Railway Station is Kharsia which is 15 KM away and Airport is Jharsuguda (Odisha) about 84 KM away.
- Latitudes 21°58'27" & 21°59'30" & Longitudes 83°13'31" & 83°14'55" and height from mean Sea level is 219 m.
- Avg. Rainfall is 1400-1500 mm.
- Mahanadi River & Bore well are the source of water.

About the JSW Group

The US$ 24 billion JSW Group is ranked among India's leading business houses. JSW's innovative and sustainable presence in various sectors including Steel, Energy, Infrastructure, Cement, Paints, B2B Ecommerce, Venture Capital, Defence, Green Mobility and Sports is helping the Group play an important role in driving India's economic growth. The Group strives for excellence by leveraging its strengths & capabilities including a successful track record of executing large capital-intensive & technically complex projects, differentiated product-mix, state-of-the-art manufacturing facilities and a greater focus on pursuing sustainable growth.

With a culturally diverse workforce spread across India, USA, Europe and Africa, JSW Group directly employs nearly 40,000 people.

It also has a strong social development focus aimed at empowering local communities residing around its Plant & Port locations. JSW Group is known to create value for all its stakeholders by combining its growth roadmap, superior execution capabilities and a relentless drive to be #Better Every day.

About JSW Steel Limited, Raigarh

JSW Steel Limited, Raigarh has an integrated Steel plant with a capacity of 1.75 MT of steel production per year through various production facilities. Since inception JSW is giving its first priority to conserve Environment by producing Steel and Iron. JSW Steel Limited has its corporate office at JSW Centre, near MMRDA Grounds, Kolivery Village, MMRDA Area, Bandra Kurla Complex, Bandra East, Mumbai, Maharashtra 400051.

JSW Steel Limited, Raigarh have following production configuration:

Sr. No.	Unit	Capacity installed	Capacity in EC
1.	Sponge Iron unit (DRI klin-100 TPD & 4x350 TPD)	0.5 MTPA	0.7 MTPA
2.	Palletization Plant	2.2 MTPA	2.2 MTPA
3.	Sinter Plant	0.75 MTPA	1.5 MTPA
4.	Blast Furnace	0.7 MTPA	1 MTPA
5.	(Steel Plant) Electric Furnace	1.74 MTPA	1.74 MTPA
6.	Ferro Alloy Plant (Submerged Arc Furnace)	Not installed	0.075 MTPA
7.	Rolling Mill & Plate Mill	1.20 MTPA (Plate mill not operational)	1.2 MTPA
8.	Power Plant	170 MW	240 MW
9.	Coal Beneficiation Plant	1 MTPA (not operational)	1 MTPA
10.	DG Sets	2X1500 KVA	1x3.8 MVA & 3X1500 KVA
11.	Oxygen Plant	400(TPD) 0.132 MTPA	-
12.	Oxygen Plant VPSA	200 TPD	-
13.	Lime Calcination Plant	Lime Calcination Plant 0.25 Million Tonnes/Year	-

Board of Directors

The Board of JSW Steel Limited comprises following Directors:

1. Mrs. Savitri Devi Jindal (Chairperson Emeritus)
2. Mr. Sajjan Jindal (Chairman & Managing Director, Non-Independent Executive Director)
3. Mr. Jayant Acharya (Joint Managing Director & CEO)
4. Mr. Gajraj Singh Rathore (Chief Operating Officer)
5. Mr. Hiroyuki Ogawa (Nominee Director, JFE Steel Corporation, Japan)
6. Dr. Sateesha B.C. (Nominee Director, KSIIDC)
7. Mr. Haigreve Khaitan (Independent Non-Executive Director)
8. Mr. Seturaman Mahalimgam (Independent Non-Executive Director)
9. Mrs. Nirupama Rao (Independent Non-Executive Director)
10. Ms. Fiona Jane Mary Paulus (Independent Non-Executive Director)
11. Mr. Marcel Fasswald (Independent Non-Executive Director)

ANNEXURE- {B}

ENVIRONMENT MANAGEMENT PLAN

Objectives of Environment Management Plan:

- To establish the present environmental scenario.
- To anticipate the impacts of proposed steel plant on the environment.
- To suggest preventive and mitigating measures to minimize adverse impacts and to maximize beneficial impacts.
- To prepare a detailed action plan for the implementation of mitigation measures.
- To prepare budgetary estimate for monitoring and implementation of environmental control measures for the project.

The environmental management plan is of great importance in controlling the adverse impact of any industrial activity. The Environment Management Plan consists of mitigation measures to be adopted, environmental monitoring and institutional measures (financial estimates and organizational set-up). The present EMP addresses the components of environmental effect during construction and operation by different activities. The proposed measures of mitigation are based upon the impact assessment. While formulating the EMP for this integrated steel plant project, following have been considered:

1.0 Existing environmental and operational activities
2.0 Air and water pollution
3.0 Work zone environment
4.0 Solid waste
5.0 Occupational hazard and safety
6.0 Environmental monitoring
7.0 Environmental management cost & organizational set-up

Careful planning and strategy adopted for the operation of a project is the reason for both economic growth as well as environmental protection. All efforts have been made to cover different parameters of the environment to achieve the goal. The following environmental management plans have been made under EMP.

1.0 EXISTING ENVIRONMENTAL AND OPERATIONAL ACTIVITIES

An environmental monitoring and control cell is established. The Environmental Cell is functioning under the control of the plant head. The cell is responsible for monitoring ambient air quality, stack emission, ambient noise in the plant and vicinity, waste water quality and discharge, quality of water bodies receiving effluent, workplace air quality. Additional responsibilities of the cell include the following:

- Submit environmental monitoring report to SPCB;
- Conduct regular training programs to educate plant personnel on safety practices to be followed in the plant;
- Conduct safety and health audits to ensure that recommended safety and health measures are being followed; and
- Inform the management regularly about conclusions/results of monitoring and recommend environmental protection measures.

2.0 AIR AND WATER POLLUTION

2.1 Air Environment Management:

At JSW Steel Limited, Raigarh, our vision is strongly rooted in the pursuit of a green and clean environment. We are dedicated to minimizing pollution arising from plant operations through proactive and sustainable measures.

To ensure effective pollution control, opacity meters have been installed on all major stacks, enabling continuous monitoring of emissions and the performance of pollution control systems. Additionally, we have set up advanced online ambient air quality monitoring stations equipped with state-of-the-art instruments to track air quality in real-time.

A comprehensive set of air pollution control measures has been implemented across various units, as outlined below:

Units	Air Pollution Control measures
SPONGE IRON DIVISION	In Sponge Iron unit, raw materials like Iron ore, Dolomite and coal are fed to the kiln to produce sponge iron. Hot flue gases from DRI kilns contain high SPM level and heat. These are taken to dust chamber, which also acts as after combustion chamber for complete combustion and then to Waste Heat Recovery Boilers (WHRB). ▪ Waste Heat Recovery Boilers are designed to recover sensible heat of waste gases leaving sponge iron kiln for generation of steam. Steam is fed to Steam Turbine Generator to produce power. ▪ After heat exchange in WHRB, the flue gases are taken to Electrostatic Precipitator (ESP) and clean gases are discharged through stack. ▪ Bag filters are connected to Cooler discharge, product separation building and DRI product bin areas to collect dust.
CAPTIVE POWER PLANT	In Power Plant, Atmospheric Fluidized Bed Combustion (AFBC) and Circulating Fluidized Bed Combustion (CFBC)' boilers are used to produce steam from coal having high ash content and other carbon bearing nonmagnetic materials like char, coal washery rejects, etc. The boilers produce 2x120 & 1x336 tons/ hour steam, which is fed to turbines to produce electricity. ▪ Electrostatic Precipitators are provided to control the point source emission in power plant. ▪ Flue gases from boilers pass through ESP and thereafter discharged through the stack. ▪ VFD Installation in CPP AFBC Boiler FD Fan: Implemented Variable Frequency Drive (VFD) on a 650kW motor, resulting in a 12.5% energy saving (~75 kW) on a 600 kW load. ▪ De-staging of 80 MW BFP-B and TG#3 BFP-A for Power savings.

ROLLING MILL	In Rolling mill / Bar mill, Steel bar and structural are produced and main raw materials are steel bloom, beam and blank. ▪ Blast furnace gases and FO/LDO are used as fuel. ▪ There is no major dust generation source and stack is provided for wide dispersion of gases.
BLAST FURNACE	In Blast Furnace, raw materials like iron ore, limestone, coke, dolomite, manganese ore and quartz are stored in raw material storage yard and fed to the blast furnace. Blast furnace is a vertical shaft, in which extremely high temperature is created to recover pure iron from iron ore. ▪ TRT (Top pressure recovery turbine) are made function to utilize waste gas of Blast furnace. ▪ Waste gas/dust generated during process is arrested through Dry Gas Cleaning system and clean air is discharged through stack. ▪ The BF gas emanating from blast furnace top contains dust. This gas is first passed through the dust catchers where a major portion of dust is eliminated and dust load comes down. ▪ This gas is further cleaned in bag filter system; where the dust is fully recovered and the pure gas after cleaning passes through the chimney.
SINTER PLANT	Sinter plant is a straight grate type with circular cooler where raw materials like iron ore fines, limestone, dolomite and calcined lime are used as raw material. A sinter cake is produced as a result of baking and diffusion of solids on the sinter strand. The desired product size for the blast furnace is obtained in the crushing and screening station. ▪ Electrostatic Precipitators are installed to control the point source emission from process area as well as material transfer points. ▪ Bag Filters are installed to check fugitive emission at material transfer points. ▪ Water sprinkler systems are installed to minimize the fugitive dust generation and road side & yards.
STEEL MELTING SHOP	In Steel Melting Shop, steel slabs / billets and rounds are produced using electric arc furnace and raw materials are pig iron, sponge iron, scrap, ferroalloys, lime, burnt dolomite and fluxes. ▪ Dust, fume generated from electric arc furnace (EAF) are being routed through fume extraction system (FES) and taken to after combustion chamber. ▪ The SPM bearing gases are passed through water cooled duct to bring down the temperature to 130 – 140 °C before entering a bag filter then discharged through stack. Similarly, the SPM bearing gases generated from the ladle refining furnace are collected using FES. ▪ The fugitive emission from the continuous casting machine shop is generally confined within the shed. ▪ To disperse the fugitive emissions outside the shed, adequate Ventilation is provided. ▪ Mist Canon are installed at strategic locations.

PELLET PLANT	Pollution control measures have been envisaged for process gas and plant deducting to limit the dust content in outgoing gases to keep within the prescribed limit capacities. The plant is designed with electrostatic precipitators (ESPs) on the indurating process as discharge: Hood Exhaust & Wind box Exhaust ▪ ESP dust will be collected in a launder and discharged into a slurry sump. The hood exhaust ESP sump pumps will discharge to a plant thickener. ▪ The wind box exhaust ESP sump pumps will discharge to a sieve bend, which will remove coarse grit and pellet chips. The sieve bend slurry will discharge to the thickener. The oversize will be collected in a tote box. ▪ The hearth layer bin area of indurating machine will be combined with hood exhaust gases. ▪ To check fugitive emission during crushing, screening and charging, bag filters have been provided. ▪ All dust collected through bag houses, ESP is being recycled in the process. ▪ Enhanced gas booster capacity from 15,000 to 20,000 NM^3/hr to utilize unused BF gas, leading to a reduction in fuel oil consumption by 3.5 L/tonne of pellet and lowering GHG emissions by 1 kg CO_2 per tonne of crude steel. ▪ Use of BF gas In additive grinding unit of Pellet Plant.
COAL WASHERY	At present coal washery unit is not in operation.
Lime Calcination Plant.	All material transfer points are connected with dust extraction system. All dust collected through bag houses, is being recycled in the process.
Oxygen Plant	There is no source of pollution in the oxygen plant.
Other Air Pollution Control Measures and initiatives.	• Established an in-house Environment Cell & Laboratory and conduct monthly ambient air quality monitoring through NABL-accredited labs at four internal and external locations. • Installed 4 Continuous Ambient Air Quality Monitoring Stations (CAAQMS) and 11 stack-mounted opacity meters, all integrated with the CPCB server. • Perform monthly stack emissions monitoring (11 stacks) and fugitive emissions monitoring at 14 different locations. • Digital camera-based monitoring of stack emissions. • Operate 11 Electrostatic Precipitators (ESP), 30 bag filters/de-dusting systems, and 1 Gas Cleaning Plant (GCP) for emissions control. • Installed a Fume Extraction (FE) system at the Blast Furnace Lancing Area. • Maintaining regular road cleaning and housekeeping. • Installed 450 sprinklers and mist cannons across key locations for dust suppression. • Ensure 100% tarpaulin-covered trucks for all transportation activities.

2.2 Water Environment Management:

Management is very conscious for controlling water pollution and water conservation, for which, plant has adopted Close Water Circuiting arrangement to maintain 'Zero Discharge'. Water pollution sources and control systems envisaged are as given below-

Source	Pollutants	Control systems
Raw materials handling	Suspended Solids	Catch pits and garland drains
DM water plant	pH	Neutralizing pit
Cooling tower blow down	Temperature	Reused in the plant for dust suppression
Boiler blow down	Suspended Solids	Suppression and slag granulation
Canteens	BOD, Suspended Solids	Soak pit, Sewage Treatment Plant (STP)
Raw water treatment	Suspended Solids	Clarifier, thickener sludge
Blast furnace gas cleaning plant	Suspended Solids	Clarifier, recirculation of under flow
SMS	Suspended Solids & oil grease	Settling tanks with oil skimmers
Iron ore Palletization Plant	suspended solids/Slurry	Thickener

Various water pollution control measures have been taken, the measures taken across the units are summarized herewith: -

Units	Water Pollution Control Measures
Sponge Iron Plant	▪ In DRI Kilns Cooling water is being recycled into the process by air cooling. ▪ Discarded cooling water is being utilized in other activities like dust suppression, ash conditioning, Kiln hot spot cooling, floor washing through drain system. ▪ Use of 100% waste water in DRI Plant for cooling purpose.
Power Plant	▪ DM plant rejects is being neutralized in neutralizing pit and reused for ash conditioning purpose. ▪ Achieved 100% reuse of waste water for ash conditioning. ▪ STP treated water into power plant cooling towers as a makeup water. ▪ Cooling tower blow-down water are reused for dust suppression at CHP yard and floor washing activities.
Rolling mill / Bar mill	▪ Wastewater generated from rolling mill area is skimmed in scale pit and then recycled back into the system. ▪ Skimmed waste oil is sent to store for further disposal to authorized recycler. ▪ Recovered scale from pit is utilized in furnace for metal recovery.
Blast Furnace	▪ GCP installed at Blast Furnace is working on dry gas cleaning process hence, there is no effluent generation. ▪ Cooling tower blow-down & softener spent re-generated water is being reused in Slag granulation, dust conditioning and dust suppression activities.
Sinter Plant	▪ Cooling tower blow down is being used for sinter nodulizing process.

	▪ Fresh water us only used to compensate the evaporation loss.
Steel Melting Shop EAF & Ladle furnace	▪ Wastewater generated from SMS area is skimmed in scale pit and then recycled back into the system. ▪ CT Blow down water is reused for cooling and settle down the flue gas residue in High Temperature Quenching tower (HTQ). ▪ Skimmed waste oil is sent to store for further disposal to authorized recycler. ▪ Recovered scale from pit is utilized in furnace for metal recovery.
Pellet Plant	▪ The water requirement in the pellet plant to maintain the moisture level in Green pellet which is fulfil by the reuse of Cooling Tower Blow down water. ▪ The same is also being utilized for Launder operation where all the dust is converted into slurry and taken to the thickener plant, where the water is separated from the iron ore fines and the clear water.
Coal Washery	At present coal washery unit is not in operation.
Oxygen Plant	Make-up water is added to substitute evaporation and drift loss. The blow-down will be used for slag granulation.
Other Water Pollution Control Measures and initiatives.	The following treatment and disposal measures have been planned. ▪ The wastewater from water pre-treatment, containing high-suspended solids, has collected in a settling basin, where the suspended solids are settle down partly by gravity. ▪ The supernatant water is pumped back into the raw water reservoir. ▪ Blow down from the boilers is being collected in a sump and pumped back into the raw water reservoir. C ▪ Blow down water from the cooling water system, containing suspended solids and high TDS, will be transferred to the ETP sump for stabilization, mixing and settling of coarser solids. ▪ Wastewater from the DM Plant is being neutralized in a neutralization tank and transferred to the ERS sump. ▪ Floor washings is being collected in a sump, passed through oil traps, and transferred to the ETP sump for mixing, stabilization and settling. ▪ Wastewater collected in the ERS sump will be subjected to clariflocculation and settling. The clear water is being utilized quantitatively for dust suppression and ash handling. ▪ Domestic water is being treated in a sewage treatment plant (STP) based on activated sludge process. The treated water will be utilized quantitatively for horticulture and green belt. ▪ In the sintering shop, the reclaimed water is discharged through the RCC pipe by itself to the hot water pond of the circular system and after cooled is used by recycling. ▪ Conduct annual third-party water audits in compliance with CGWA norms. ▪ Nearby village ponds are deepening to increase water retention and promote groundwater recharge. ▪ We have developed 3 no.s of Rain water harvesting system in our plants to recharge ground water during rainy season.

3.0 WORK ZONE ENVIRONMENT

In operation phase noise and dust is often seen in work zone area. To Control and mitigation measures for abatement of dust emissions and noise level are as follows.

- Dust extraction systems, with bag filters have been installed at all transfer points and crushing/ grinding operations.
- Dust laden air is drawn through ID Fans, and passed through bag filters to bring down the dust content below 50 mg/Nm^3. The clean air is discharged into the atmosphere.
- Raw materials and finished product are stored in covered sheds.
- Water sprinkling is done regularly over all open storage dumps of solid wastes and raw materials.
- Significant plantation and green belt development has been envisaged to mitigate the impact of fugitive dust on ambient air.
- Monitoring of the fugitive dust shall be carried out at various places within the project site to ensure compliance to.
- The equipment's with high noise such as crusher, air compressor and air blower has enclosed in soundproof rooms, vibration-reducing material shall be installed on the foundation, and mufflers shall be installed at entrances and exits.
- Rubber boards are lined at the corners of coal and coke carrying corridors, U-shaped sliding channels has been adopted for conveying to reduce noises from collision of materials.
- Noise isolation by landforms, high buildings and trees is also considered in the layout plan to reduce noise.
- Provision of silencer at inlet and outlet of fans.

4.0 SOLID WASTE MANAGEMENT

JSW Steel Ltd. Raigarh has implemented a very efficient solid waste management system to overcome all these problems. Type, sources and management of solid waste are summarised as follows-

UNITS	Solid Waste	Utilization/ Disposal Method
SPONGE IRON	Dolochar	Power Plant
	ESP + Bag Filter Dust	Brick manufacturing unit, Low laying & filling of abandoned mines
	Kiln Accretion	For filling low lying areas.
POWER PLANT	Fly ash	Brick manufacturers, cement plant, Low laying & filling of abandoned mines.
	Bottom Ash	
SMS	EAF Slag	Crush and segregate into mag & non-mag slag through crushing unit. Mag slag is being re-cycled and rest non-mag slag is being sold for further processing.
	FES Dust	Recycled in Sinter Plant.
	Skull Generation	Reused back in Steel Melting Shop.

BLAST FURNACE	BF Slag	Collected and sold to Cement Plant for utilisation in cement manufacturing.
	Skull	Reused
	BF + GCP Dust	Re-used in Sinter Plant by charging along with raw materials.
BAR MILL	End cutting/Mill scale	Reused in Sinter/SMS unit
SINTER PLANT	Bag Filter Dust/ESP Dust	Reuse in Sinter

Other control measures for solid waste:

- In-house utilization of Dolochar, bag filter dust, kiln accretion, mill scale, FES dust, and GCP dust.
- Non-magnetic SMS & BF slag are sent to recyclers and cement plants.
- 100% utilization of fly ash and DRI ESP dust in brick manufacturing, low-lying area filling, and abandoned mine restoration.
- GPS-based vehicle tracking and exclusive use of tarpaulin-covered trucks for waste transport.
- In-house utilization of fly ash & BF Slag to produce bricks and paver blocks, with a daily output ranging from 800 to 850 paver blocks. This enables us to utilize approximately 2.4 metric tons per day of fly ash and BF slag.
- Quantity of generated hazardous waste is being disposed-off to authorized recycler. However, even the limited quantities of generated oil/grease and resin can cause negative impact if not disposed-off appropriately.

APPENDIX-B

A. Compliance status of the Environment clearance granted for the integrated Steel Plant vide letter no F. No. J11011/196/2007- IA II (I) dated 26th Dec. 2007.

Sr. No	Condition	Compliances Report (Oct 2024 to Mar 2025)
A.	**SPECIFIC CONDITIONS**	
i.	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. Online stack monitoring facilities for all the stacks and sufficient air pollution control methods to control emissions from the kiln and WHRB shall be provided viz. Electrostatic precipitation (ESP) and bag filters etc. to keep emissions level below 100mg/Nm3. Gas cleaning plant (GCP) and Ventury Scrubbers shall be provided to blast furnace (BF). The BF gases shall be cleaned in gas cleaning system (GCS) and used in AFBC power plant. Kiln Off gases shall be used as fuel in the waste heat recovery boiler (WHRB).	Complied. • Pollution control equipment like ESP, Bag filters has been installed at all the process stacks, All the transfer points are equipped with adequate water sprinkling system to keep emission level within prescribed limits. • Particulate matter emission from all the stacks is being maintained well within prescribed limit. • Continuous emission monitoring system facilities has also provided to all process stacks. • Scrubber and GCP Installed in Blast Furnace. Blast furnace exhaust gases are routed through Gas cleaning plant (GCP), further utilized as a fuel in Palletization plant & bar Mill. • Kiln off gases is being utilized as a fuel in the waste heat recovery boiler (WHRB). • Sprinklers and mist canons are installed.
ii	Secondary fugitive emissions from blast furnace and sinter plant shall be controlled within the latest permissible limits issued by the ministry and regularly monitored. Guidelines/Code of practice issued by the CPCB shall be followed.	Complied. De-dusting system has been provided in Blast furnace cast house area, stock house area & PCI area to control secondary fugitive emission. In Sinter plant, we have 3 adequate and highly efficient Bag filters systems have been installed in material transfer points to control the secondary fugitive emission.
Iii	Total requirement of the water from Mahanadi River shall not exceed 37,340 m3/day. Acidic and alkaline wastewater from demineralization unit shall be neutralized in neutralization tank. The wastewater from gas cleaning plant (GCP) of BF plant shall be treated in thickener to remove SS and recycled. As reflected in the EIA/EMP report, the wastewater generated from the various units shall be properly recycled and reused in the process and for cooling, palletizing, slag granulation, horticulture etc. The wastewater from coal beneficiation plant shall be reused for ash slurry preparation for the disposal of ash generated from AFBC boiler. No wastewater shall be discharged outside the premises and 'Zero' discharge shall be strictly followed as proposed. The domestic effluent shall be treated in septic tank followed by soak pits and used for green belt development.	Complied. Water requirement is not exceeding the permissible limit. Acidic and alkaline wastewater from demineralization is being neutralized in neutralization pit. The wastewater generated from Blast Furnace is being recycled and reuse in slag granulation activity on daily basis. Waste water generated from the various units is being collected in settling tank & WTP 2 and after its further treatment is being utilized in dust suppression at material storage yards, pellet granulation, horticulture purpose and sprinkling in road for dust suppression. Domestic effluent is treated in septic tank/soak pit & STP of capacity 300 KLD and the treated waste water is utilized in green belt development activities in colony area.

iv	Prior permission for the drawl of ground as well as surface water from Mahanadi river from the state ground water Board/ Central Ground Water Authority / concerned Department shall be obtained.	Complied. Permission for drawl of ground water from CGWA have been granted vide NOC/IND/CG/2025/396/R-2-2; date of Issue 04.04.2025, valid up to 02.03.2028. and also permission granted from Water Resource Department (C.G.) for surface water drawl. Copy of the same is attached hereby in **Annexure-I.**
v	All the char from DRI plant shall be utilized in AFBC Boiler of power plant and no char shall be disposed-off anywhere else. The other entire solid / hazardous waste generated shall be properly utilized or disposed of in environment friendly manner. ESP fly ash and bag filter dust shall be made available to the cement plants and brick making plants whereas bottom ash shall be disposed-off in a suitably designed landfill as per CPCB guideline to prevent leaching to the sub-soil and underground aquifer. Mill scale shall be reused in Ferro alloy/ pig iron furnace. The liquid slag shall be granulated in cast house granulation unit and given to cement plants/ brick manufacturers for further utilization. Non-granulated slag shall be used in making roads. DM resin shall be disposed in properly cemented pit. Waste oil and lubricant shall be sold to authorized recyclers. Kiln accretions shall be utilized for filling low lying areas. ETP sludge shall be used in brick making and filling low lying areas.	Complied, ▪ Dolochar from generated from DRI plant is being utilized in Captive power plant. ▪ Hazardous waste disposed-off as per Hazardous waste rule. ▪ Fly ash / ESP dust is being supplied to bricks/ blocks manufactures, low laying area and to fill abandoned stone mine quarries. ▪ Mill scale generated from Rolling mill is used in the Sinter Plant. ▪ Granulated slag generated from Blast Furnace unit is being supplied to cement manufacturing unit. ▪ Non granulated slag generated from SMS, metal is recovered and recycled into the process, rest crushed and utilized for road embankment purpose. ▪ No DM resin were generated during the compliance period. ▪ Waste Oil / Used Oil & used lubricants is being sold out to authorized recycler/vendor. ▪ Kiln accretion is utilized as land filling for low lying areas. ▪ Sludge generated from STP is used in horticulture activities as manure.
vi	All the fly ash shall be utilized as per fly Ash Notification. 1999 and subsequently amendment in 2003.	Complied. Fly ash generated from power generation units is being utilized 100% in brick/cement manufacturing Unit, low laying & filling of abandoned stone quarry with prior permission of state pollution control board.
vii	Green belt shall be developed in at least 33% within and around the plant premises as per the CPCB guidelines in consultation with DFO.	Complied. A total of 195,420 trees have been planted as of March 2025. of these, 140,702 are survived, contributing to the development of a green belt that now covers approximately 33.5% of the total area of 227.83 hectares. The audit report, along with supporting photographs, is provided in Annexure-VII.
viii	Prior permission from the state forest department shall be taken regarding likely impact of the expansion of the proposed steel plant on the surrounding reserve forests viz. Rabo RF (0.92 Km, NE), Bansajhar RF (6.07Km, SW), Burha pahar (6.64 Km, W), Kenmura PF (2.64 Km, SW), Bendojhariya PF (5.11 Km, SW)	Noted & Agreed.
ix	All the recommendations made in the charter on	Noted & Agreed.

	Corporate Responsibility for Environment protection (CREP) for the steel sector shall be strictly implemented.	
B. GENERAL CONDITIONS		
i	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the state Government.	Agreed. All the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the state Government are being followed.
ii	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and forests.	Agreed.
iii	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this ministry on 19th May 1993 and standards prescribed from time to time. The state board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time the emission level shall go beyond the prescribed standards. On-line continuous monitoring system shall be installed in stacks to monitor SPM and interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Complied. • Pollution control equipment like ESP, Bag filters has been installed at all the process stacks, All the transfer points are equipped with adequate water sprinkling system to keep emission level within prescribed limits. • Particulate matter emission from all the stacks is being maintained well within prescribed limit. • Continuous emission monitoring system facilities has also provided to all process stacks. • Scrubber and GCP Installed in Blast Furnace. Blast furnace exhaust gases are routed through Gas cleaning plant (GCP), further utilized as a fuel in Palletization plant & bar Mill. • Kiln off gases is being utilized as a fuel in the waste heat recovery boiler (WHRB).
iv	In plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/raw materials/coal handling etc. shall be provided. Further specific measures like provision of dust suppression system consisting of water sprinkling, suction hoods, fans and bag filters etc., shall be installed at material transfer points, blast furnace stock, house and other enclosed raw material handling areas. Centralized De-Dusting System for collection of fugitive emissions through suction hood and subsequent treatment through bag filter or any other device and finally emitted through a stack of appropriately designed height conforming to the standards for induction furnaces existing in the industry and proposed induction and arc furnaces. Fugitive emissions shall be regularly monitored and records maintained.	Complied. Adequate Bag filters have been provided at all material transfer points and other enclosed raw material handling areas. Water sprinkling systems have been provided at conveyors, storage yards and raw material handling areas to check fugitive dust. In addition to the above, water sprinklers & Mist Canons are also provided. Centralized de-dusting system has been installed at stock house, cast house area to collect the fugitive dust. Pneumatic dust extraction system has been provided to check the fugitive dust while conveying it from pollution control equipment.
v	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of SPM, SO2 and NOx are anticipated in consultation with the CECB. Data on ambient air quality and stack emissions should be regularly submitted to this Ministry including its Regional Office at Bhopal and the CECB / CPCB once in six months.	Complied. Four Online Ambient Air Quality Monitoring Stations are placed in four directions of the plant as suggested by the CECB which is interconnected with CECB/CPCB website. Monitoring data of the stations is being submitted regularly to CECB, Regional office at Raigarh & head office, Raipur and CPCB Delhi. Apart from the above, ambient air quality and stack monitoring report is being submitted to the board on

		monthly basis and six monthly to MoEF&CC Regional office, Nagpur and CPCB Bhopal. Copy of the same is attached herewith as **Annexure-IIA & IIB.**
vi	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Complied. Acidic and alkaline wastewater from demineralization is being neutralized in neutralization pit. The wastewater generated from Blast Furnace is being recycled and reuse in slag granulation activity on daily basis. Waste water generated from the various units is being collected in settling tank & WTP 2 and after its further treatment is being utilized in dust suppression at material storage yards, pellet granulation, horticulture purpose and sprinkling in road for dust suppression. Domestic effluent is treated in septic tank/soak pit & STP of capacity 300 KLD and the treated waste water is utilized in green belt development activities in colony area.
vii	The overall noise levels in and around the plant area shall be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should confirm to the standards prescribed under EPA Rules, 1989 viz 75 dB A (day-time) and 70 dB A (night-time)	Complied. As a control measures, silencers and enclosures have been provided at all noise generating sources and as a secondary control measure PPE's like Earplugs/earmuff have been provided to the personals working in high noise prone areas. Noise levels are regularly monitored by NABL accredited Laboratory. Massive thick plantation is in and around the plant to control noise level. **Annexure-III A.**
viii	Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Complied. Regular health check-up of all workers is being carried out and record is being maintained. The same is attached herewith in **Annexure-IV.**
ix	The Company shall develop surface water harvesting structures to harvest the rainwater for utilization in the lean season besides recharging the ground water table.	Compiled. We have developed 3 number of rain water harvesting system to recharge ground water. Nearby village ponds are deepening to increase water retention and promote groundwater recharge. All the surface runoff drains are interconnected into the WTP-2 for water collection which is being utilized for dust suppression system and horticulture. Photographs are attached for your reference **Annexure-VIII**.
x	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA. / EMP report. Further the company must undertake social-economic development activities in the surrounding villages community development programs, educational programs, drinking water supply and health care etc.	Complied. We are committed to comply with all environmental protection measures and safeguards recommended in EIA/EMP report. We also undertake socioeconomic activities in nearby villages and focus areas are as education, health, infrastructure, sustainable livelihood and social issues.
xi	The project authorities shall also provide adequate funds both recurring and non-recurring to	Complied. Separate funds have been allocated for environmental

	implement the conditions stipulated the Ministry of Environment and Forest as well as the state Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	protection measures and implementing the conditions stipulated by MoEF&CC and State Boards.
xii	The Regional Office of this Ministry at Bhopal / CPCB/ CECB will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Complied. Six monthly compliance reports along with monitoring data are being submitted to the Ministries regional office in soft copies regularly. Last compliance report submitted vide letter no. JSWSTEEL/NP/EMD/665/2024; Date: 23.11.2024 submitted on dated 26.11.2024, through mail.
xiii	The project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the CECB and may also be seen as website of the Ministry of Environment and Forests at http://enfor.nic.in This shall be circulated in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office.	Complied.
xiv	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted please.

B. Compliance Status Report of the condition stipulated in Environmental Clearance for amendment in Environmental Clearance for inclusion of Oxygen Plant vide letter no. F. No. J-11011/196/2007 IA II (I) date: 31st March, 2011

Sr. No	Condition	Compliances Report (Oct 2024 to Mar 2025)
1.	Data on ambient air, stack and fugitive emissions shall be regularly submitted online to Ministry's Regional office at Bhopal, SPCB and Central Pollution Control Board as well as hard copy once in six months and display data on RSPM, SO_2, and NOx outside the premises at the appropriate site for the general public.	Complied. Environmental monitoring data is being submitted to CECB regularly as well as six monthly compliance reports is also submitted to regional office within stipulated time and available on company website. Also, monitoring results of the same is being displayed at outside of the company's main gate for public domain. Details is attached as **Annexure-V.**
2.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16th November, 2009 shall be followed.	Complied. Ambient Air Quality monitoring data are within the prescribed norms. Details is attached as **Annexure-IIA.**
3.	The project proponent shall also submit six monthly reports on status of the compliance of stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The	Complied. Six monthly compliance reports along with monitoring data are being submitted to the Ministries regional office in soft copies regularly. Last compliance report submitted vide letter no. JSWSTEEL/NP/EMD/665/2024; Date: 23.11.2024

	Regional Office of this Ministry at Bhopal/CPCB/SPCB shall monitor the stipulated conditions.	submitted on dated 26.11.2024, through mail.
4.	The environmental statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environmental (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Complied. The environmental statement and status of compliance of environmental conditions is being submitted to the State Pollution Control Board, Raipur and Regional office, MoEF&CC, Nagpur in stipulated time frame. Last Environmental Statement has been submitted vide letter no JSWSTEEL/NP/EMD/655/2024; dated: 27.09.2024. Status of compliance of environmental conditions along with monitoring report have also been published in company's website at https://www.jswsteel.in/investors/jsw-steel-investor-information-environmental-clearances **Details is attached as Annexure-VI**
5.	At least 2% of the total cost of the project (increased cost after amendment) shall be embarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	During Compliance period Oct 2024 to Mar 2025, 32.02 Lakh has been incurred towards CSR activities in the FY 2024-2025.

C. Compliance Status Report of the condition stipulated in Environmental Clearance for change of boiler configuration in Integrated Steel Plant (1.75 MTPA) and Captive Power Plant (240 MW) of JSWISPL, Naharpali vide letter no. F. No. J-11011/196/2007 – IA II (I) dated 13th April, 2017

Sr. No.	Specific Condition	Compliances Report (Oct 2024 to Mar 2025)
1.	The project proponent should install 24x7 air monitoring devices to monitor air emission and submit report to Ministry and its Regional Office.	Complied. Online ambient air quality monitoring system as well as continuous emission monitoring system in all stacks has been Installed and real time data is hook-up with the CPCB server. Apart from above, Air quality and emission monitoring report is being submitted to ministry and regional office regularly.
2	All conditions stipulated in the earlier ECs granted to the project should be strictly adhered to.	Complied.
3	Total quantum of dust release and pollution which is being released today has to be maintained even after increase in the pellet plant capacity.	Complied. ESP and Bag Filter installed at Pellet Plant area of adequate capacity and efficient to handle the additional pollution load as prescribed and keep it in within the prescribed norms all the time.
General Condition		
1	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Pollution Control Board and the State Government.	Agreed and followed.
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted & Agreed

3	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM_{10}, $PM_{2.5}$, SO_2 and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Nagpur and the SPCB/CPCB once in six months.	Complied. There are four Online Ambient Air Quality Monitoring Stations are placed in four directions of the plant as suggested by the CECB which is interconnected with CECB/CPCB website. Monitoring data of the stations is being submitted monthly to CECB, Regional office at Raigarh and CECB, head office, Raipur. Copy of the same is enclosed herewith as **Annexure-IIA.**
4	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Complied. Waste water generated from the various units is being collected in settling tank & WTP 2 and its being utilized in dust suppression at material storage yards, pellet granulation and horticulture purposes in localized area. Domestic effluent is treated in STP and treated waste water is utilized in green belt development activities. Treated Waste Water quality is regularly monitored by NABL accredited Laboratory. Copy of analysis report is enclosed in **Annexure III (B).**
5	The overall noise levels in and around the plant area shall be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 Liz.75 dBA (daytime) and 70 dBA (nighttime).	Complied. As part of our noise pollution control strategy, silencers and enclosures have been installed at noise-generating sources. Additionally, as a secondary measure, Personal Protective Equipment (PPE) such as earplugs and earmuffs are provided to personnel working in high-noise areas. Noise level monitoring is conducted monthly through both internal and a NABL-accredited laboratory. The monitoring reports are submitted regularly to the regulatory board. A copy of the monthly noise monitoring report is enclosed as Annexure-IIIA.
6	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Regular health check-up of all workers is being carried out and record is being maintained. Please refer **Annexure-IV.**
7	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Compiled. We have developed 3 number of rain water harvesting system to recharge ground water. Nearby village ponds are deepening to increase water retention and promote groundwater recharge. All the surface runoff drains are interconnected into the WTP-2 for water collection which is being utilized for dust suppression system and horticulture. Photographs are attached for your reference **Annexure-VIII**.
8	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the ElA/EMP report. Further, the company must undertake socio- economic development activities in the surrounding villages like	Complied. We are committed to comply with all environmental protection measures and safeguards recommended in EIA/EMP report. We also undertake socioeconomic activities in nearby

	community development programs, educational programs, drinking water supply & health care etc.	villages and focus areas are as education, health, infrastructure, sustainable livelihood and social issues.
9	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Nagpur. The funds so provided shall not be diverted for any other purpose.	Complied. Separate funds have been allocated for environmental protection measures and apart from the onetime capital expenditure every year recurring fund have been provided for implementing the conditions stipulated by MoEF&CC and State Boards.
10	A copy of clearance letter shall be sent by the proponent to concerned panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, If any from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Agreed.
11	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEFCC at Nagpur. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM_{10}, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain	Complied. The criteria pollutant levels namely; PM_{10}, SO_2, NOx (ambient levels as well as stack emissions) is being monitored and displayed at main gate of the company in the public domain. Details is attached as **Annexure-V.** The data along with compliance report have also been published in company's website at https://www.jswsteel.in/investors/jsw-steel-investor-information-environmental-clearances. Details is Attached **as Annexure-VI**
12	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB, The Regional Office of this Ministry at Nagpur / CPCB / SPCB shall monitor the stipulated conditions.	Complied. Six monthly compliance reports along with monitoring data are being submitted to the Ministry regional office in soft copies regularly. Last compliance report submitted vide letter no. JSWSTEEL/NP/EMD/665/2024; Date: 23.11.2024 submitted on dated 26.11.2024, through mail.
13	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequent shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Nagpur by e-mail.	Complied. The environmental statement and status of compliance of environmental conditions is being submitted to the State Pollution Control Board, Raipur. Last Environmental Statement has been submitted vide letter no. Last Environmental Statement has been submitted vide letter no JSWSTEEL/NP/EMD/655/2024;dated: 27.09.2024.
14	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at	The Environmental Clearance had been made public via local newspapers.

	Website of the Ministry of Environment, Forests and Climate Change (MoEF&CC) at http:/envfor.tic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Nagpur.	
15	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Agreed.

Annexure-I

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन विभाग,
केंद्रीय भूमि जल प्राधिकरण
GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
CENTRAL GROUND WATER AUTHORITY

सत्यमेव जयते

भूजल निकासी हेतु अनापत्ति प्रमाण पत्र
NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

PROJECT NAME **JSW STEEL LIMITED**		
PROJECT ADDRESS **NAHARPALI**		PIN CODE **492015**
STATE **CHHATTISGARH**	DISTRICT **RAIGARH**	TOWN/BLOCK **KHARSIA**
COMMUNICATION ADDRESS **Village & PO: Naharpali, Teh: Kharsia, Raigarh (CG)-496661**		
ADDRESS OF CGWB REGIONAL OFFICE **Reena Apartment, 2nd Floor, NH 43, Dhamtari Road, Panchpedi Naka,Raipur- 492001, Chattisgarh.**		

1. NOC NO. **NOC/IND/CG/2025/2396/R-2/2**	2. DATE OF ISSUANCE **04/04/2025**
3. APPLICATION NO. **IND/CG/2025/2396/R-2**	4. APPLICATION TYPE **Industry**
5. PROJECT STATUS **Existing Project**	6. NOC TYPE **Renew**
7. VALID FROM **03/03/2025**	8. VALID UP TO **02/03/2028**
9. WATER QUALITY TYPE **Fresh Water**	10. AREA TYPE CATEGORY **Safe** (GWRE-2024)

11. Ground Water Abstraction Permitted

GW Abstraction		Dewatering		Total	
m^3/day	m^3/year	m^3/day	m^3/year	m^3/day	m^3/year
400.00	146000.00	**0.00**	0.00	**400.00**	146000.00

12. Details of Ground Water Abstraction /Dewatering Structures

EXISTING **10**					PROPOSED **0**					TOTAL **10**				
DW	DCB	BW	TW	Pu	DW	DCB	BW	TW	Pu	DW	DCB	BW	TW	Pu
0	0	10	0	0	0	0	0	0	0	0	0	10	0	0

*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; Pu Pumps;

Validity of this NOC shall be subject to mandatory compliance of the following conditions:

Phase I (within 30 days)

1. Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) is mandatory for all users seeking No Objection Certificate. Intimation regarding their installation shall be updated in Self-Compliance Module (Phase-I) of BhuNeer APP portal within 30 days of grant of No Objection Certificate.

Phase II (after 11 months)

1. Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
2. Construction of purpose-built observation wells (piezometers) for ground water level monitoring is mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the notified guidelines.

3. Proponents shall monitor quality of ground water from all the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analyzed in NABL accredited or Govt. approved laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.

Phase III (Biennial)

1. Industries shall undertake Biennial water audit through certified water auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.

All the above-mentioned mandatory compliance conditions are to be filed online in BHUNEER APP (https://cgwa-bhuneer.mowr.gov.in) timely.

General Conditions:

1. Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986 and amendment thereto, if any.
2. This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.
3. This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
4. No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
5. The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction as permitted in NOC.
6. Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws.
7. Proponents, who have installed/constructed rain water harvesting and artificial recharge structures shall continue to regularly maintain the water conservation structures.
8. The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
9. Industries which are likely to cause ground water pollution, e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list), no recharge measures shall be taken up by such firms inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm. The firm need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the notified guidelines
10. Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
11. Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
12. Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
13. This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
14. This NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
15. In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 6 months of taking over possession of the premises.
16. In case of new infrastructure projects having ground water abstraction of more than 20 m3/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
17. In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.

18. In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.

19. In the self-compliance report, the PP shall submit details of Drilling Agency/ Agencies, which has/ have constructed BW(s)/ TW(s) along with undertaking to the effect that all necessary measures have been taken as per directions of Hon'ble Supreme Court provided in Annexure-VII of guidelines dated 24.09.2020 in respect of abandoned/ failed BW(s)/ TW(s)/Piezometer(s), if any. The PP is advised to engage registered drilling agency/agencies. In the event of any mishap/ unfortunate incident due to negligence in taking measures for prevention of accident due to falling in Bore Well, both PP and concerned drilling agency shall jointly be held responsible and penal action as per extant Government rules shall be taken.

20. Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent. In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines

छत्तीसगढ़ शासन
जल संसाधन विभाग,
मंत्रालय, रायपुर

क्रमांक 4555 /29/31/93/म/औजप्र/डी–4, रायपुर, दिनांक 28/09/2004

प्रति,

मुख्य अभियंता,
हसदेव कछार,
जल संसाधन विभाग,
बिलासपुर (छ.ग.)

विषय:– मेसर्स मोनेट इस्पात लिमिटेड द्वारा रायगढ़ के समीप प्रस्तावित केप्टिव पॉवर प्लांट के साथ इंटीग्रेटेड स्टील प्लांट को महानदी से 5 एम.जी.डी. (लगभग 8.30 मिलियन घन मीटर वार्षिक) जल आबंटन की निश्चित स्वीकृति ।

संदर्भ:–1. मंत्रालयीन पत्र क्रं.–5594/29/31/93/म/औजप्र/डी–4,रायपुर, दिनांक 01.09.2003 ।
2. आपका पत्र क्रं.–911/21/मा/प्र–2/बिलासपुर, दिनांक 08.07.2004 । (C-57)

–00–

विषयांतर्गत प्रकरण में छत्तीसगढ़ शासन, जल संसाधन विभाग के संदर्भित पत्र क्रमांक–1 द्वारा जारी 5 एम.जी.डी. जल आबंटन की सैद्धांतिक स्वीकृति के तारतम्य में मोनेट इस्पात लिमिटेड द्वारा रायगढ़ के समीप प्रस्तावित केप्टिव पॉवर प्लांट के साथ इंटीग्रेटेड स्टील प्लांट हेतु महानदी से उसके तट पर स्थित ग्राम बालपुर के पास से 5.00 मिलियन गैलन प्रतिदिन (लगभग 8.30 मिलियन घन मीटर वार्षिक) जल–आहरण की निश्चित स्वीकृति, निम्नलिखित शर्तों के आधार पर दी जाती है :–

1. महानदी के निर्धारित स्थल से संस्थान के कार्यस्थल तक पानी ले जाने हेतु आवश्यक व्यवस्था (नदी में इंटेक वेल का निर्माण, पाईप लाइन बिछाना आदि), जल संसाधन विभाग के अनुमोदन उपरांत संस्थान स्वयं के व्यय से करेगा एवं इस संबंध में आवश्यक भू–अर्जन एवं अन्य जो भी समस्या आयेगी उसका निराकरण, संस्थान स्वयं के व्यय पर स्वयं करेगा ।

2. संस्थान द्वारा आहरित जल की मात्रा के माप हेतु, संस्थान द्वारा नदी में निर्मित किए जाने वाले इंटेक वेल में इलेक्ट्रानिक माप यंत्र लगाया जायेगा, जिसका जल संसाधन विभाग द्वारा समय–समय पर निरीक्षण (सत्यापन) किया जायेगा ।

3. संस्थान द्वारा जल आहरण स्थल के ऊपर एवं नीचे आसपास के ग्रामवासियों के पूर्व में स्थापित तटीय अधिकारों (Riparian Rights) की रक्षा की जायेगी तथा निचले क्षेत्र में निस्तार आदि हेतु सतत जल–प्रवाह रखा जायेगा ।

4. किसी कारणवश नदी में जल की कमी होने पर शासन इसके लिये जवाबदार नहीं होगा एवं इसके लिए शासन के विरूद्ध किसी प्रकार का दावा मान्य नहीं होगा ।

MONNET ISPAT & ENERGY LIMITED

(AUTHORISED SIGNATORY)

Executive Engineer
Water Resources Division

5. संस्थान, उपयोग पश्चात अपने संयंत्र से निस्सारित जल का रि–साइकलिंग करके इसका उपयोग करेगा तथा राज्य प्रदुषण नियंत्रण मंडल के नियमों के अनुसार निस्सारित करेगा ताकि नदी के निचले भाग के क्षेत्र में जल प्रदूषण की कोई समस्या उत्पन्न न हो ।

6. संस्थान द्वारा जल आहरण प्रारंभ करने के पूर्व शासन के निर्धारित प्रपत्र–7 (क) में, शासन के अनुमोदन पश्चात् जल संसाधन विभाग से अनुबंध किया जायेगा ।

7. संस्थान, छत्तीसगढ़ शासन द्वारा वर्तमान में निर्धारित एवं भविष्य में समय–समय पर निर्धारित किये जाने वाली बढ़ी हुई औद्योगिक जल–दरों एवं औद्योगिक जल प्रदाय से संबंधित अन्य जल करों (कमिटमेंट चार्जेस आदि) का नियमानुसार भुगतान जल संसाधन विभाग को करेगा तथा यह दरें संस्थान पर बंधनकारी होगी ।

8. संस्थान को आबंटित कुल 5 एम.जी.डी. (लगभग 8.30 मि.घ.मी. वार्षिक) जल उपयोग की अनुमति के परिपेक्ष्य में उनके द्वारा वास्तविक रूप से उपयोग किये गये जल की मात्रा की समय–समय पर समीक्षा की जायेगी ।

9. संस्थान को इस स्वीकृति के जारी होने के दिनांक से 4 वर्षों के अंदर जल का उपयोग प्रारंभ करना होगा एवं उपरोक्तानुसार समस्त शर्तों का पालन करना होगा, अन्यथा यह स्वीकृति निरस्त मानी जावेगी ।

सहपत्र:–0

(सरजियस मिंज) 27/9/04
प्रमुख सचिव,
जल संसाधन विभाग,
मंत्रालय, रायपुर

पृ0 क्रमांक /29/31/93/म/औजप्र/डी–4, रायपुर, दिनांक /09/2004

प्रतिलिपि:–

1. प्रमुख अभियंता, जल संसाधन विभाग, रायपुर की ओर संदर्भित पत्रों के परिपेक्ष्य में सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित ।
2. संयोजक सह प्रमुख सचिव, राज्य निवेश प्रोत्साहन बोर्ड, मंत्रालय के पास (रेणुका द्वार), शास्त्री चौक, रायपुर,
3. अपर प्रबंध संचालक, सी.एस.आई.डी.सी., बी–4, एम.आर.कालोनी, शैलेन्द्र नगर, रायपुर, एवं
4. मुख्य कार्यकारी, मोनेट इस्पात लिमिटेड, चंदखुरी मार्ग, मंदिर हसौद (रायपुर),

की ओर संदर्भित पत्र क्रमांक–1 के पृष्ठांकन के परिपेक्ष्य में सूचनार्थ अग्रेषित

सहपत्र:–0

MONNET ISPAT & ENERGY LIMITED

(AUTHORISED SIGNATORY)

Executive Engineer

विशेष कर्तव्यस्थ अधिकारी,
जल संसाधन विभाग,
मंत्रालय, रायपुर

IBM D ssd Hindi letter L-34

Annexure: II-A

JSW Steel Limited

Naharpali, Raigarh

AMBIENT AIR QUALITY MONITORING REPORT

PERIOD: OCT -2024 MAR- 2025

Station Name / parameter	CAAQMS-I					CAAQMS-II					CAAQMS-III					CAAQMS-IV				
	PM_{10}	$PM_{2.5}$	CO	SO_2	NO_2	PM_{10}	$PM_{2.5}$	CO	SO_2	NO_2	PM_{10}	$PM_{2.5}$	CO	SO_2	NO_2	PM_{10}	$PM_{2.5}$	CO	SO_2	NO_2
MONTH	***Prescribed Standard (Values in µg/m³):*** *PM_{10}-100.0; $PM_{2.5}$-60.0, CO- 2.0 mg/m³, SO_2-80.0, NO2-80mg/8Hr.*																			
Oct - 2024	59.44	36.25	0.45	24.15	25.69	68.74	39.46	0.82	22.03	23.51	69.9	42.2	0.44	26.54	10.36	68.41	37.48	0.47	25.67	27.77
Nov - 2024	63.47	38.06	0.44	28.36	27.06	72.06	42.62	0.86	23.51	25.03	71.63	44.36	0.48	30.97	12.64	69.10	37.23	0.48	27.30	28.54
Dec - 2024	67.76	39.95	0.41	26.49	24.17	74.26	43.63	0.89	24.03	26.84	75.12	46.42	0.52	32.41	16.52	65.57	34.47	0.41	26.19	24.08
Jan-2025	69.84	41.45	0.39	24.97	26.08	75.36	46.25	0.91	27.45	24.03	78.96	48.35	0.48	32.21	18.34	64.51	35.33	0.45	25.08	26.58
Feb - 2025	71.52	40.23	0.41	22.36	28.41	77.84	43.02	0.87	28.03	22.17	71.87	45.14	0.42	34.04	15.63	66.60	38.77	0.42	28.09	34.73
March-2025	67.16	37.24	0.46	24.30	26.38	74.68	45.28	0.89	26.84	23.77	74.56	47.14	0.48	36.47	17.42	62.61	34.08	0.41	26.63	30.60

V. Vijaya Sekhar

HOD (EHS)

ANNEXURE: II- B

JSW Steel Limited
Naharpali, Raigarh
STACK EMISSION MONITORING REPORT (CEMS)
PERIOD: OCT-2024 TO MAR-2025

Monitoring Results	DRI Stack 1 (Kiln 1& 2)		DRI Stack 2 (Kiln 3 & 4)		DRI Stack 3 (Kiln 5 & 6)		STACK-4 (CPP AFBC)			STACK-5 (CPP CFBC)			STACK-6 (Pallet Plant)	STACK-7 (Rolling Mill)	STACK-8 (BF)	STACK-9 (Sinter Plant)	STACK-10 (SMS)	STACK-11 (LIME PLANT)
	Parameters/prescribed limit (in mg/Nm^3)																	
	SO_2	PM	SO_2	PM	SO_2	PM	SO2	NOx	PM	SO_2	NOx	PM	PM	PM	PM	PM	PM	PM
	600	**50**	**600**	**50**	**600**	**50**	**600**	**300**	**50**	**600**	**300**	**50**	**50**	**50**	**50**	**50**	**50**	**50**
OCT-2024	188	36.4	211	44.8	265	45	283	156	41.4	238	118	39.8	39.5	14.5	34.2	40.7	22	34.2
NOV-2024	84	34.7	348	45.9	137	39.7	288	161	40.7	368	173	28	46.4	19.8	34.5	42.2	27	30.4
DEC-2024	100	40.2	316	44.0	292	42.6	269	191	40	281	79	47	46	18.5	36.9	31.3	25	35.3
JAN- 2025	129	36.6	210	43.3	241	44.2	298	225	45.6	383	112	42.6	40.5	22.8	32	45.4	26.7	28.9
FEB-2025	236	38	321	44	405	45	286	179	39	302	189	41	43.5	19.8	28	42	29.9	SD
MAR-2025	141	41	162	38	210	43.5	301	165	42	356	98	45	43	19.3	38.5	41	19	20.5

V. Ujjaykrishnan

HOD (EHS)

ANNEXURE-III A

JSW Steel Limited

NOISE LEVEL MONITORING REPORT

WORK ZONE& AMBIENT-DAY TIME:(Oct-2024 to Mar -2025)

SN.	LOCATION	MONTH					
		OCT-24	NOV-24	DEC-24	JAN-25	FEB-25	MAR-25
SPONGE IRON PLANT							
1	Below Platform at Kiln # 1&2	70.7	73.4	71.5	69	75.5	73.3
2	Below Platform at Kiln # 3&4	75.8	78.9	74.5	74	75.4	75.05
3	Below Platform at Kiln # 5&6	75.8	76.1	76.9	73.9	75.5	75
4	RMH Unit (Near office Building)	72.9	73.9	72.9	70.2	71.3	71.6
5	PSB Area (Ground floor)	78.9	79.8	77.2	75.4	78.7	77.8
6	Coal Crusher Area	77.9	78.4	79.8	79.3	74.3	74.9
7	Compressor	80.4	80.2	82.1	80.5	80.4	82.4
POWER PLANT							
8	TG 1 (TG Floor)	77.8	79.8	77.4	78.7	79.9	77.9
9	TG 2 (TG Floor)	76.4	80.2	79.7	77.9	80.6	78.7
10	Boiler CFBC (80 MW)	76.9	81.2	80.9	76.4	80.1	77.6
11	Boiler CFBC (90 MW)	76.2	79.3	74.8	78.2	79.2	80.4
12	CHP Unit	70.3	77.8	67.8	67.8	67.4	66.3
13	DG Set	79.9	80.2	79.2	79.2	80.3	79.2
14	Compressor House	81.1	79.7	80.9	80.2	82.2	81.4
SINTER PLANT							
15	Control Room	56.8	56.2	54.8	53.7	54.2	54.8
16	ESP Area (Near ID fan)	79.4	79.4	80.5	79.4	78.1	78.9
17	Sinter Cooler Area	78.2	79.9	77.9	79.8	78.8	79.4
18	Production Screen House	78.9	78.5	80.2	75.4	76.2	79.2
19	Crusher Building Area	78.6	80.9	79.4	78.9	78.2	80.7
SMS							
20	Near EAF (Ground Floor)	75.9	74.9	73.2	77.8	79.3	78.2
21	Near LRF (Ground Floor)	78.4	74.2	79.2	78.2	80.2	77.6
22	Billet Caster	77.9	78.9	78.7	77.8	80.7	79.9
23	EAF Control Room	55.9	54.9	53.2	52.8	57.4	54.1
BLAST FURNACE							
24	BF control room	55.8	54.2	53.4	52.5	56.3	53.6
25	BF Stove (Cast House)	79.8	77.9	77.2	79.4	72.2	76.8
26	PCM Area	74.9	76.8	72.8	77.4	75.3	72.2
27	Pump House (Near Cooling Tower)	80.1	80.9	80.7	80.1	81.4	79.8
ROLLING MILL							
28	Reheating Furnace	76.2	77.2	76.2	76.2	78.2	80.2
29	CNC Room	67.8	66.5	63.8	68.8	76.3	74.2
30	Straightening pulpit Area	75.8	63.6	74.3	77.4	78.3	79.9
31	Cooling Bed	76.4	76.4	78.5	66.2	76.5	79.4
32	Strand Area	74.1	75.4	77.8	65.9	75.4	80.2
PELLET PLANT							
33	Below Balling Building	76.1	74.4	74.2	60.6	74.4	75.5
34	Indurating Furnace (First Floor)	79.8	80.7	78.9	59.8	79.8	80.4

ANNEXURE-III A

JSW Steel Limited

NOISE LEVEL MONITORING REPORT

WORK ZONE& AMBIENT-DAY TIME:(Oct-2024 to Mar -2025)

35	Gas Booster	80.6	77.3	80.4	69.8	80.6	82.4
36	ABG Area	73.6	74.7	77.4	66.8	74.2	75.7
37	Near Thickener Area	75.9	76.9	78.7	67.4	75.4	78.9
OXYGEN PLANT							
38	Control room /Office	63.9	59.9	53	64.8	53.8	56.8
39	Nitrogen Compressor	79.9	82.1	80.6	80.2	80.5	81.7
WAGON TIPPLER							
40	Iron Yard	72.9	73.1	72.1	71.4	74.8	56.3
41	Wagon Office Area	56.9	52.7	51.7	52.1	53.4	54.3
42	Iron Hopper Area	70.7	75.8	72.2	69.2	69.9	59.7
43	Coal Hopper Area	74.8	76.1	73.4	67.8	73.8	74.2
WORKSHOP (AUTOMOBILE)							
44	Office Area	59.6	53.8	52.4	52.4	52.7	54.3
45	Workshop	72.9	65.5	60.1	71.5	69.9	68.4
46	Fabrication Area	72.1	68.3	56.9	65.6	70.2	64.3
47	Yard	70.2	63.9	57.4	54.3	67.3	56.3
LIME PLANT							
48	Lime Plant Office	53.8	53.1	51.1	52.7	52.2	50.7
49	Lime plant packing area	76.9	78.4	76.4	69.4	54.2	72.8
50	Lime plant feeding area	78.4	77.6	77.7	70.2	53.7	69.5
AMBIENT NOISE LEVEL MONITORING REPORT							
51	Main gate (Outside)	51.25	55.75	51.5	50.3	52	50.5
52	Gate no-2 (Near WTP-2)	50.65	53.3	49.2	48.1	51.8	50.2
53	Gate-3 (Near pellet plant)	52.25	55.3	51.3	47.9	52.9	52.9
54	Colony Gate	48.20	52.95	49.2	47.4	48.4	46.3

V. Vijaya Sekhar.

HOD (EHS)

ANNEXURE-III B

JSW Steel Limited

WASTE WATER ANALYSIS REPORTS

PERIOD: Oct-2024 to Mar-2025

SL No.	Characteristics	Permissible Limits	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
			Sample Results											
			Effluent Recycle System (ERS)						Sewage Treatment Plant (STP)					
1	Temperature	Not more than 5°C to intake water	26.7	31.5	26.8	25.5	26.5	29.4	26.8	31.4	26.4	25.7	26.7	28.5
2	pH	6.0 to 8.5	7.2	7.5	7.3	7.3	7.12	7.8	7.4	6.7	7.9	6.6	6.13	7.5
3	TSS	100.0 mg/L	56	68	87	31.6	35.6	42.4	45	94	75	27.6	18.2	28.6
4	Chemical Oxygen Demand (COD)	250.0 mg/L	88.8	61.6	88	90	81.3	90.4	82.4	71.2	57	88.4	57.6	48.8
5	Biochemical Oxygen Demand(BOD)	30.0 mg/L	1.5	1.2	4.2	3.7	6.2	2.7	3.3	2.4	6.4	4.7	7.4	5.0
6	Oil & Grease	10.0 mg/L	2.6	2.8	2.2	1.6	2.68	1.8	2.8	1.5	1.2	1.2	1.2	0.2

HOD (EHS)

ANNEXURE-IV							
PRE-MEDICAL EMPLOYEE RECORD							
SAP ID	Name of the Employee	Age	Sex	Designation	Department	PME OCT./2024 - MAR./2025	PME Sr. No.
1022637	Pikesh Kumar Dhanger	37	Male	Technician	Bar Mill	01.10.2024	PME0746/24
1022573	Mohan D. Sukhdeve	50	Male	Junior Engineer	Bar Mill	01.10.2024	PME0747/24
1022346	Hargun Rai	53	Male	Senior Technician	Raw Materials Handling System	01.10.2024	PME0748/24
1021716	Jagatnaryan Singh Baghel	52	Male	Manager	Raw Materials Handling System	01.10.2024	PME0749/24
1091433	Anil Kumar Siddolla	24	Male	Graduate Engineer Trainee	Raw Materials Handling System	01.10.2024	PME0750/24
1021966	Mrinal Saha	42	Male	Assistant Engineer	Raw Materials Handling System	01.10.2024	PME0751/24
1022397	Rajeev Kumar Singh	44	Male	Senior Technician	Bar Mill	03.10.2024	PME0752/24
1021720	Manoj Sahu	41	Male	Deputy Manager	Raw Materials Handling System	03.10.2024	PME0753/24
1020526	Satya Vrat Arya	50	Male	Assistant Manager	Steel Melting Shop(SMS)	03.10.2024	PME0754/24
1022122	Sanjay Kumar Sahu	46	Male	Technician	Raw Materials Handling System	04.10.2024	PME0755/24
1020570	Ram Kumar Patel	40	Male	Engineer	Quality Control	04.10.2024	PME0756/24
1087466	Arun Kumar Dubey	32	Male	Engineer	Bar Mill	04.10.2024	PME0757/24
1019784	Shail Kumar Verma	41	Male	Assistant Manager	Quality Control	04.10.2024	PME0758/24
1020531	Rajesh H Kohad	42	Male	Senior Engineer	Quality Control	04.10.2024	PME0759/24
1021887	Vishram Prasad	44	Male	Technician	Raw Materials Handling System	07.10.2024	PME0760/24
1022485	Ashutosh Kumar Thakur	38	Male	Engineer	Quality Control	07.10.2024	PME0761/24
1022414	Lakhan Lal Mannewar	41	Male	Junior Engineer	Bar Mill	07.10.2024	PME0762/24
1022194	Nagraj Bhat	42	Male	Senior Technician	Bar Mill	07.10.2024	PME0763/24
1022499	Dinesh Kumar Rathore	50	Male	Senior Technician	Raw Materials Handling System	08.10.2024	PME0764/24
1022215	Hari Shankar Sahu	41	Male	Assistant Engineer	Quality Control	08.10.2024	PME0765/24
1020007	Manish Kumar	41	Male	Deputy Manager	Steel Melting Shop(SMS)	08.10.2024	PME0766/24
1021723	Ramesh Kumar Gupta	51	Male	Assistant General Manager	Quality Control	08.10.2024	PME0767/24
1019804	Abhay Kumar Sharma	54	Male	Senior Engineer	Quality Control	08.10.2024	PME0768/24
1022029	Sangeet Ram Patel	50	Male	Technician	Central Utilities	09.10.2024	PME0769/24
1022162	Abhishek Kumar	36	Male	Senior Technician	Central Utilities	09.10.2024	PME0770/24
1022277	Ali Mullah Shekh	56	Male	Senior Technician	Central Utilities	09.10.2024	PME0771/24
1022250	Anil Kumar Singh	55	Male	Senior Technician	Central Utilities	10.10.2024	PME0772/24
1021957	Neelambar Pd. Sahu	45	Male	Assistant Engineer	Raw Materials Handling System	11.10.2024	PME0773/24
1022119	Vijay Kumar Patel	49	Male	Technician	Central Utilities	11.10.2024	PME0774/24
1094258	Matcha Neelakantam	29	Male	Assistant Engineer	Pellet Plant	11.10.2024	PME0775/24
1022542	Shiv Kumar Sahu	41	Male	Senior Technician	Raw Materials Handling System	14.10.2024	PME0776/24
1021891	Set Ram Rathiya	50	Male	Technician	Central Utilities	15.10.2024	PME0777/24
1022568	Manohar Patel	52	Male	Junior Engineer	Raw Materials Handling System	15.10.2024	PME0778/24
1021842	Sita Ram Sahu	42	Male	Senior Technician	Raw Materials Handling System	15.10.2024	PME0779/24
1021687	Prasant Kumar Fulzale	52	Male	Senior Technician	Direct Reduced Iron (DRI)	15.10.2024	PME0780/24
1022445	Kamlesh Chandra	43	Male	Assistant Officer	Logistics/ PPC/CSD	16.10.2024	PME0781/24
1049006	Arun Kumar Rathore	32	Male	Deputy Manager	Steel Melting Shop(SMS)	16.10.2024	PME0782/24
1020579	Pawan Kumar Yadav	31	Male	Senior Officer	Human Resource	16.10.2024	PME0783/24
1021729	Pyari Das Mahant	51	Male	Officer	Human Resource	16.10.2024	PME0784/24
1022253	Arvind Kumar Mishra	54	Male	Engineer	Central Utilities	16.10.2024	PME0785/24
1021972	Nagesh Rao	54	Male	Deputy Manager	Raw Materials Handling System	16.10.2024	PME0786/24
1021925	Pritam Lal Koshle	55	Male	Senior Technician	Raw Materials Handling System	16.10.2024	PME0787/24
1021690	Ram Narayan Saraf	55	Male	Deputy General Manager	Information Technology	17.10.2024	PME0788/24
1094835	Karmbir Kumar	29	Male	Assistant Engineer	Quality Control	17.10.2024	PME0789/24
1021868	Ram Anuj Kumar	47	Male	Senior Technician	Raw Materials Handling System	18.10.2024	PME0790/24
1022454	Ude Ram Yadav	43	Male	Assistant Officer	Logistics/ PPC/CSD	18.10.2024	PME0791/24
1021992	Narendra Kr. Patel	43	Male	Junior Technician	Raw Materials Handling System	18.10.2024	PME0792/24
1021709	Ajay Kumar Sriwas	54	Male	Engineer	Raw Materials Handling System	18.10.2024	PME0793/24
1021951	Nand Lal Patel	51	Male	Assistant Officer	Raw Materials Handling System	18.10.2024	PME0794/24
1021976	Rajendra Nath Mohanta	56	Male	Senior Engineer	Quality Control	19.10.2024	PME0795/24
1021849	Purushottam Banzara	39	Male	Junior Officer	Administration	21.10.2024	PME0796/24
1022230	Naresh Pradhan	46	Male	Senior Technician	Central Utilities	21.10.2024	PME0797/24
1021794	Arun Kumar Singh	42	Male	Senior Manager	Direct Reduced Iron (DRI)	21.10.2024	PME0798/24
1019652	Manish Kumar	36	Male	Manager	Pellet Plant	21.10.2024	PME0799/24
1022625	Phakir Das	30	Male	Staff	Environment, Health & Safety	21.10.2024	PME0800/24
1022549	Dinesh Dansena	44	Male	Junior Engineer	Raw Materials Handling System	21.10.2024	PME0801/24
1021743	Ravindra Kumar Rathore	47	Male	Senior Technician	Central Maintenance (CMD)	22.10.2024	PME0802/24
1021993	Laxmi Prasad Sahu	48	Male	Technician	Raw Materials Handling System	22.10.2024	PME803824
1022597	Naviin Kumar Gupta	39	Male	Senior Technician	Raw Materials Handling System	22.10.2024	PME0804/24
1022517	Sarfaraj Shaik	36	Male	Senior Technician	Raw Materials Handling System	22.10.2024	PME0805/24
1093768	Ashutosh Kumar	31	Male	Assistant Manager	Pellet Plant	22.10.2024	PME0806/24
1022682	R. Ajay. R.Vasudevan	49	Male	Deputy General Manager	Bulk Raw Materials	23.10.2024	PME0807/24
1022255	Durga Prasad Pattnaik	42	Male	Senior Technician	Direct Reduced Iron (DRI)	23.10.2024	PME0808/24
1022520	Shashi Bhushan Patel	46	Male	Senior Technician	Raw Materials Handling System	23.10.2024	PME0809/24
1022584	Barat Ram Rathia	30	Male	Staff	Raw Materials Handling System	23.10.2024	PME0810/24
1022408	Dilip Kumar Singh	49	Male	Technician	Central Utilities	23.10.2024	PME0811/24
1022615	Prabir Kumar Mallick	32	Male	Technician	Pellet Plant	23.10.2024	PME0812/24
1022606	Bibhuti Bhushan Biswal	45	Male	Junior Engineer	Pellet Plant	23.10.2024	PME0813/24
2980006	Sanjay Kumar Mishra	55	Male	Deputy General Manager	Administration	23.10.2024	PME0814/24
1022168	Kamble Tukaram	57	Male	Assistant Engineer	Raw Materials Handling System	23.10.2024	PME0815/24
1021928	Chandra Kumar Rathore	40	Male	Junior Officer	Steel Melting Shop(SMS)	24.10.2024	PME0816/24
1022289	Pankaj Kumar Patel	38	Male	Assistant Engineer	Quality Control	24.10.2024	PME0817/24
1022610	Ram Nath Vishwakarma	53	Male	Junior Engineer	Bar Mill	24.10.2024	PME0818/24
1020850	Abhay Kumar Shrivastava	47	Male	Manager	Bulk Raw Materials	25.10.2024	PME0819/24
1022245	Sunil Mandal	45	Male	Assistant Officer	Bulk Raw Materials	25.10.2024	PME0820/24
1096347	Udaya Bhaskar Meesala	22	Male	Assistant Manager	steel Melting Shop(SMS)	28.10.2024	PME0821/24
1021873	Dooj Ram Verma	49	Male	Senior Technician	Central Maintenance (CMD)	28.10.2024	PME0822/24
1020507	Dwarika Prasad Sahu	40	Male	Assistant Manager	Pellet Plant	28.10.2024	PME0823/24
1019654	Rupesh Mishra	40	Male	Senior Engineer	Pellet Plant	28.10.2024	PME0824/24
1022541	Ranjit Singh	53	Male	Junior Engineer	Raw Materials Handling System	28.10.2024	PME0825/24
1022498	Golaka Chandra Sethi	43	Male	Junior Engineer	Raw Materials Handling System	28.10.2024	PME0826/24
1021984	Surendra Kumar Rathore	45	Male	Junior Engineer	Raw Materials Handling System	28.10.2024	PME0827/24
1021736	Bachan Lal	38	Male	Senior Technician	Direct Reduced Iron (DRI)	29.10.2024	PME0828/24
1022633	Mohit Ram Patel	49	Male	Senior Technician	Raw Materials Handling System	29.10.2024	PME0829/24
1026160	Nikhil Kumar	36	Male	Deputy Manager	Steel Melting Shop(SMS)	29.10.2024	PME0830/24
1022582	Aghan Lal Rathia	46	Male	Staff	Central Maintenance (CMD)	31.10.2024	PME0831/24

3100829	Ishan Acharya	39	Male	Senior Manager	Central Maintenance (CMD)	04.11.2024	PME0832/24
1021952	Badrika Prasad	49	Male	Junior Engineer	Raw Materials Handling System	05.11.2024	PME0833/24
1021740	Churamani Patel	51	Male	Assistant Engineer	Raw Materials Handling System	05.11.2024	PME0834/24
1020117	Uday Kumar Gupta	35	Male	Assistant Manager	Lime Plant	05.11.2024	PME0835/24
1094298	Dibyaranjan Sahu	35	Male	Assistant Manager	Lime Plant	05.11.2024	PME0836/24
1094486	Tej Singh Patail	31	Male	Junior Engineer	Lime Plant	05.11.2024	PME0837/24
1020088	Santosh Sherke	38	Male	Assistant Manager	Central Maintenance (CMD)	06.11.2024	PME0838/24
1021844	Dindayal Sahu	43	Male	Senior Technician	Lime Plant	06.11.2024	PME0839/24
1022076	Anil Kr. Singh	54	Male	Engineer	Civil	06.11.2024	PME0840/24
1022089	Uma Shankar Patel	37	Male	Officer	Human Resource	06.11.2024	PME0841/24
1022623	Parmeshwar Das Mahant	44	Male	Assistant Technician	Central Utilities	06.11.2024	PME0842/24
1022613	Paras Nath Sriwas	50	Male	Senior Technician	Pellet Plant	06.11.2024	PME0843/24
1022031	Naresh Kumar	40	Male	Staff	Civil	07.11.2024	PME0844/24
1022147	Damodar Mahato	50	Male	Junior Officer	Bulk Raw Materials	07.11.2024	PME0845/24
1021835	Badri Ram	56	Male	Senior Technician	Direct Reduced Iron (DRI)	07.11.2024	PME0846/24
1021961	Lalit Kumar Rathore	42	Male	Junior Engineer	Raw Materials Handling System	08.11.2024	PME0847/24
1021978	Vyas Narayan Rathore	53	Male	Assistant Engineer	Raw Materials Handling System	08.11.2024	PME0848/24
1090414	Om Prakash Pati	47	Male	Manager	Lime Plant	08.11.2024	PME0849/24
1094897	Bhupendra Kumar	30	Male	Senior Engineer	Lime Plant	08.11.2024	PME0850/24
1021932	Anil Kumar Sahu	41	Male	Senior Technician	Lime Plant	08.11.2024	PME0851/24
1022516	Ramesh Kumar Bareth	39	Male	Junior Engineer	Lime Plant	08.11.2024	PME0852/24
1096380	Abhinav Yadav	22	Male	Assistant Manager	Lime Plant	09.11.2024	PME0853/24
1021923	Aswini Kumar Bhue	41	Male	Assistant Officer	Logistics/ PPC/CSD	11.11.2024	PME0854/24
1022152	Mahabir Patel	50	Male	Engineer	Raw Materials Handling System	11.11.2024	PME0855/24
1021710	Dev Kumar Patel	47	Male	Assistant Engineer	Raw Materials Handling System	11.11.2024	PME0856/24
1022154	Milan Kumar Dansena	48	Male	Assistant Engineer	Raw Materials Handling System	11.11.2024	PME0857/24
1022444	Suresh Kumar Gabel	44	Male	Junior Officer	Logistics/ PPC/CSD	12.11.2024	PME0858/24
1022179	Mohan Lal Tejwani	52	Male	Deputy Manager	Direct Reduced Iron (DRI)	12.11.2024	PME0859/24
1022038	Ishwari Pd. Patel	39	Male	Staff	Logistics/ PPC/CSD	13.11.2024	PME0860/24
1022567	Chandan Singh Patel	40	Male	Senior Technician	Pellet Plant	14.11.2024	PME0861/24
1090188	Heeralal Kumar	35	Male	Engineer	Steel Melting Shop(SMS)	18.11.2024	PME0862/24
1022037	Dular Singh Patel	40	Male	Staff	Lime Plant	18.11.2024	PME0863/24
1022538	Mahendra Singh Lahare	41	Male	Assistant	Logistics/ PPC/CSD	18.11.2024	PME0864/24
1022085	Hem Lal Rathiya	49	Male	Staff	Steel Melting Shop(SMS)	19.11.2024	PME0865/24
1021699	Raghunath Dansena	57	Male	Assistant Engineer	Raw Materials Handling System	19.11.2024	PME0866/24
1020560	G Suresh Kumar	34	Male	Manager	Steel Melting Shop(SMS)	19.11.2024	PME0867/24
1020540	Dogendra Sen	31	Male	Assistant Manager	Steel Melting Shop(SMS)	19.11.2024	PME0868/24
1022407	Basant Kumar Parganiha	53	Male	Officer	Logistics/ PPC/CSD	20.11.2024	PME0869/24
1021772	Ajit Kumar Mishra	54	Male	Junior Engineer	Raw Materials Handling System	20.11.2024	PME0870/24
1022490	Sudam Behera	49	Male	Senior Engineer	Raw Materials Handling System	20.11.2024	PME0871/24
1089830	Divyagyan sao	40	Male	Engineer	Quality Control	20.11.2024	PME0872/24
1022474	Tilak Singh	56	Male	Junior Engineer	Steel Melting Shop(SMS)	20.11.2024	PME0873/24
1022514	Vinod Kumar Yadav	39	Male	Senior Technician	Steel Melting Shop(SMS)	20.11.2024	PME0874/24
1022638	Sanjeet Kumar Chouhan	39	Male	Technician	Steel Melting Shop(SMS)	20.11.2024	PME0875/24
1025614	Yadavalli Tulsi Naga Venkata Mani T	26	Male	Assistant Manager	Raw Materials Handling System	21.11.2024	PME0876/24
1022100	Yashwant Kumar Sahu	47	Male	Technician	Raw Materials Handling System	21.11.2024	PME0877/24
1020019	Ram Kumar	40	Male	Engineer	Quality Control	21.11.2024	PME0878/24
1022476	Vinod Pandey	44	Male	Senior Technician	Raw Materials Handling System	22.11.2024	PME0879/24
1020678	Prithviraj Padhi	34	Male	Senior Engineer	Environment, Health & Safety	25.11.2024	PME0880/24
1022044	Ghasiyaram Rathiya	40	Male	Staff	Horticulture	25.11.2024	PME0881/24
1021906	Pitru Sahu	51	Male	Technician	Lime Plant	25.11.2024	PME0882/24
1022418	Dhanjee Singh	44	Male	Technician	Steel Melting Shop(SMS)	25.11.2024	PME0883/24
1021715	Raghuraj Kashyap	55	Male	Deputy Manager	Raw Materials Handling System	26.11.2024	PME0884/24
1095223	Kshitij Chandrakar	23	Male	Assistant Manager	Energy Management Department (EMD)	26.11.2024	PME0885/24
1096412	Abhishek Gupta	22	Male	Assistant Manager	Raw Materials Handling System	27.11.2024	PME0886/24
1022471	Santosh Kumar	49	Male	Engineer	Sinter Plant	29.11.2024	PME0887/24
1020079	Ramakanta Senapati	43	Male	Engineer	Raw Materials Handling System	29.11.2024	PME0888/24
1022140	Halder Prasad Baghel	45	Male	Staff	Steel Melting Shop(SMS)	29.11.2024	PME0889/24
1022126	Umashankar Rathore	51	Male	Staff	Raw Materials Handling System	29.11.2024	PME0890/24
1022369	Samual Bhengra	47	Male	Senior Technician	Raw Materials Handling System	29.11.2024	PME0891/24
1022469	Suneel Kumar Dansena	45	Male	Junior Engineer	Raw Materials Handling System	29.11.2024	PME0892/24
1022410	Nibaran Mukherjee	43	Male	Senior Technician	Steel Melting Shop(SMS)	02.12.2024	PME0893/24
1090931	Shashank Gautam	24	Male	Assistant Manager	Central Planning Team (CPT)	02.12.2024	PME0894/24
1022420	Desh Deepak Mishra	46	Male	Senior Officer	Environment, Health & Safety	02.12.2024	PME0895/24
1022328	Mohammad Perwez	43	Male	Senior Engineer	Environment, Health & Safety	02.12.2024	PME0896/24
1021840	Raj Kumar Patel	44	Male	Senior Technician	Raw Materials Handling System	03.12.2024	PME0897/24
1021833	Suraj Kumar Nayak	46	Male	Technician	Raw Materials Handling System	03.12.2024	PME0898/24
1095124	Anas Bin Saad	25	Male	Assistant Manager	Raw Materials Handling System	03.12.2024	PME0899/24
1096378	Ravi Shankar	23	Male	Assistant Manager	Raw Materials Handling System	04.12.2024	PME0900/24
1096377	Sahil Farhan	23	Male	Assistant Manager	steel Melting Shop(SMS)	04.12.2024	PME0901/24
1088525	Abhishek Kumar	29	Male	Assistant Engineer	Steel Melting Shop(SMS)	05.12.2024	PME0902/24
1022527	Dilip Sonant	51	Male	Assistant Engineer	Steel Melting Shop(SMS)	05.12.2024	PME0903/24
1022295	Roop Das	41	Male	Senior Asst.	Human Resource	06.12.2024	PME0904/24
1021807	Ravendra Kr. Tripathi	45	Male	Junior Officer	Steel Melting Shop(SMS)	06.12.2024	PME0905/24
1022054	Chaitram Kharia	54	Male	Staff	Human Resource	06.12.2024	PME0906/24
1091130	Abhijit Naik	35	Male	Assistant Engineer	Steel Melting Shop(SMS)	06.12.2024	PME0907/24
1022273	Rajesh Kumar Gupta	53	Male	Assistant Manager	Human Resource	06.12.2024	PME0908/24
1021832	Jitendra Kumar Patel	47	Male	Officer	Pellet Plant	06.12.2024	PME0909/24
1020653	Ajay Kumar Singh	55	Male	General Manager	Steel Melting Shop(SMS)	07.12.2024	PME0910/24
1094142	Pawan Kumar Singh	33	Male	Senior Executive	Finance & Accounts	10.12.2024	PME0911/24
1096404	Antara Singh	24	Female	Assistant Manager	Blast Furnace	11.12.2024	PME0912/24
1022588	Anoj Kumar Das	46	Male	Assistant General Manager	Sinter Plant	14.12.2024	PME0913/24
1020032	Sudhir Kumar Jain	37	Male	Manager	Steel Melting Shop(SMS)	17.12.2024	PME0914/24
1022398	Avijit Bardhan	45	Male	Deputy Manager	Purchase & Commercial	18.12.2024	PME0915/24
3001225	Jitendra Kumar Dubey	44	Male	Senior Engineer	Central Planning Team (CPT)	18.12.2024	PME0916/24
1022566	Rambir Singh	35	Male	Technician	Pellet Plant	21.12.2024	PME0917/24
1020088	Santosh Sherke	38	Male	Assistant Manager	Central Maintenance (CMD)	02.01.2025	PME0013/25
1022446	Dilambar Sahu	39	Male	Senior Technician	Raw Materials Handling System	02.01.2025	PME0014/25
1022610	Ram Nath Vishwakarma	54	Male	Junior Engineer	Bar Mill	02.01.2025	PME0015/25
2978842	Alok Namdeo	40	Male	Assistant Manager	Pellet Plant	02.01.2025	PME0016/25
1022581	Ajendra Kumar	48	Male	Junior Engineer	Bar Mill	02.01.2025	PME0017/25

1100898	Shubham Dutta	24	Male	Graduate Engineer Trainee	Pellet Plant	02.01.2025	PME0018/25
1096396	Ashutosh Yadav	23	Male	Assistant Manager	Blast Furnace	03.01.2025	PME0019/25
1102630	Nemchand	21	Male	DAT	Pellet Plant	03.01.2025	PME0020/25
1022197	Pramod Kumar Chandra	42	Male	Junior Engineer	Power Plant	04.01.2025	PME0021/25
1022173	Saheb Yadav	43	Male	Senior Technician	Bar Mill	04.01.2025	PME0022/25
1021989	Rambhawan Garg	46	Male	Deputy Manager	Direct Reduced Iron (DRI)	04.01.2025	PME0023/25
1102593	Gautam Kumar Sao	21	Male	DAT	Direct Reduced Iron (DRI)	06.01.2025	PME0024/25
1022107	Rajnarayan Kanth	45	Male	Assistant Engineer	Environment, Health & Safety	06.01.2025	PME0025/25
1022503	Jitendra Sharma	41	Male	Technician	Bar Mill	07.01.2025	PME0026/25
1022510	Ram Nivash Kumar	43	Male	Senior Technician	Bar Mill	07.01.2024	PME0027/25
1100073	Subhasish Sahoo	32	Male	Senior Engineer	Pellet Plant	07.01.2025	PME0028/25
1021814	Bhola Pal	43	Male	Junior Engineer	Direct Reduced Iron (DRI)	10.10.2025	PME0029/25
1022583	Dushyant Kumar Rathia	32	Male	Staff	Pellet Plant	10.01.2025	PME0030/25
1022341	Jainendra Kr. Srivastava	44	Male	Junior Engineer	Power Plant	10.01.2025	PME0031/25
1022537	Anant Ram Gupta	35	Male	Junior Officer	Logistics/PPC/CSD	11.01.2025	PME0032/25
1022316	Vinod Singh Thakur	36	Male	Assistant Manager	Direct Reduced Iron (DRI)	11.01.2025	PME0033/25
1090926	Purshottam Sahu	30	Male	Junior Engineer	Steel Melting Shop(SMS)	13.01.2025	PME0034/25
1022541	Ranjit Singh	53	Male	Junior Engineer	Raw Materials Handling System	13.01.2025	PME0035/25
1021752	Susanta Kumar Dakua	46	Male	Junior Engineer	Direct Reduced Iron (DRI)	18.01.2025	PME0036/25
1022322	Sanjay Kumar	40	Male	Junior Engineer	Environment, Health & Safety	20.01.2025	PME0037/25
2976934	Dinesh Kumar Patidar	58	Male	General Manager	Blast Furnace	20.01.2025	PME0038/25
1094902	Soumen Paul	29	Male	Assistant Engineer	Central Maintenance (CMD)	20.01.2025	PME0039/25
1099877	Krish Kumar Sharma	22	Male	Graduate Engineer Trainee	Civil	21.01.2025	PME0040/25
1095488	Tesimuddin Ansary	27	Male	Assistant Engineer	Steel Melting Shop(SMS)	23.01.2025	PME0041/25
1021884	Ram Kr. Patel	48	Male	Junior Engineer	Power Plant	27.01.2025	PME0042/25
1022433	Amar Kumar Majhi	39	Male	Junior Engineer	Blast Furnace	28.01.2025	PME0043/25
1019815	Sk. Mehendi Hassain	42	Male	Manager	Steel Melting Shop(SMS)	28.01.2025	PME0044/25
1022423	Bishnu Srivas	42	Male	Senior Technician	Steel Melting Shop(SMS)	03.02.2025	PME0045/25
1021848	Md. Samshul Hoda	48	Male	Engineer	Power Plant	04.02.2025	PME0046/25
1100250	Jayesh Kumar	39	Male	Deputy Manager	Pellet Plant	05.02.2025	PME0047/25
1021849	Purushottam Banzara	40	Male	Junior Officer	Administration	08.02.2025	PME0048/25
1099973	Amit Jagdish Sawarkar	24	Male	Assistant Engineer	Steel Melting Shop(SMS)	10.02.2025	PME0049/25
1022405	Shatrunjay Kumar Singh	48	Male	Junior Engineer	Steel Melting Shop(SMS)	11.02.2025	PME0050/25
1096350	Mohammad Muquim Hussain	24	Male	Assistant Manager	Direct Reduced Iron (DRI)	11.02.2025	PME0051/25
1094965	Archana Gupta	26	Female	Engineer	Quality Control	12.02.2025	PME0052/25
1022445	Kamlesh Chandra	43	Male	Assistant Officer	Logistics/PPC/CSD	14.02.2025	PME0053/25
1094739	Rudrashish Satapathy	26	Male	Assistant Engineer	Steel Melting Shop(SMS)	15.02.2025	PME0054/25
1022505	Uday Das	48	Male	Technician	Bar Mill	15.02.2025	PME0055/25
2977273	Dharmendra Kumar Singh	57	Male	Senior Engineer	Steel Melting Shop(SMS)	17.02.2025	PME0056/25
1099168	Kishan Patel	37	Male	Senior Engineer	Quality Control	17.02.2025	PME0057/25
1021699	Raghunath Dansena	57	Male	Assistant Engineer	Raw Materials Handling System	17.02.2025	PME0058/25
1019814	Manu Singh	38	Male	Senior Engineer	Blast Furnace	18.02.2025	PME0059/25
1022577	Baliram Kumar Prasad	35	Male	Senior Technician	Bar Mill	19.02.2025	PME0060/25
1022176	Chandrashekhar Bairagi	38	Male	Senior Technician	Direct Reduced Iron (DRI)	19.02.2025	PME0061/25
1022530	Tileshwar Prasad Ratrhore	43	Male	Technician	Direct Reduced Iron (DRI)	19.02.2025	PME0062/25
1022517	Sarfaraj Shaik	36	Male	Senior Technician	Raw Materials Handling System	21.02.2025	PME0063/25
1022168	Kamble Tukaram	58	Male	Assistant Engineer	Raw Materials Handling System	22.02.2025	PME0064/25
1021760	Lokeshwar Prasad Bhardwaj	52	Male	Engineer	Power Plant	24.02.2025	PME0065/25
1090943	Hitsh Tyagi	23	Male	Senior Engineer	Oxygen Plant	24.02.2025	PME0066/25
1094944	Raghwendra Kumar	28	Male	Engineer	Steel Melting Shop(SMS)	25.02.2025	PME0067/25
2978509	Kamlesh Yadav	55	Male	Assistant Officer	Logistics/PPC/CSD	27.02.2025	PME0068/25
1090909	Nitin Kumar Srivastav	31	Male	Senior Engineer	Steel Melting Shop(SMS)	27.02.2025	PME0069/25
1021813	Prashant Tiwari	50	Male	Senior Technician	Direct Reduced Iron (DRI)	27.02.2025	PME0070/25
1022007	Khem Lal	42	Male	Technician	Direct Reduced Iron (DRI)	01.03.2025	PME0071/25
3002117	Rohit Kumar	34	Male	Manager	Steel Melting Shop(SMS)	01.03.2025	PME0072/25
1022540	Gupteshwar Kumar Yadav	33	Male	Staff	Bar Mill	03.03.2025	PME0073/25
1022253	Arvind Kumar Mishra	55	Male	Engineer	Central Utilities	03.03.2025	PME0074/25
1021924	Md. Rahim	47	Male	Senior Technician	Direct Reduced Iron (DRI)	03.03.2025	PME0075/25
1020100	Kartik Marval	30	Male	Engineer	Information Technology	03.03.2025	PME0076/25
1022619	Sumit Kumar	39	Male	Assistant General Manager	Pellet Plant	03.03.2025	PME0077/25
1022548	Rajeshwar Sah	39	Male	Senior Technician	Central Maintenance (CMD)	03.03.2025	PME0078/25
1022082	Jai Mangal Chauhan	34	Male	Staff	Horticulture	03.03.2025	PME0079/25
1020526	Satya Vrat Arya	50	Male	Assistant Manager	Steel Melting Shop(SMS)	03.03.2025	PME0080/25
1022500	Ramesh Gupta	49	Male	Staff	Bar Mill	04.03.2025	PME0081/25
1022539	Sanoj Kumar Prasad	39	Male	Senior Technician	Bar Mill	04.03.2025	PME0082/25
1022525	Dheerendra Pratap Singh	39	Male	Technician	Bar Mill	04.03.2025	PME0083/25
1021793	Samme Lal Rathore	56	Male	Assistant Engineer	Power Plant	04.03.2025	PME0084/25
1022508	Upendra Kumar Vishwakarma	36	Male	Senior Technician	Bar Mill	05.03.2025	PME0085/25
1022241	Dil Chand Patel	39	Male	Senior Technician	Blast Furnace	05.03.2025	PME0086/25
1022105	Yog Prakash Dwivedi	39	Male	Assistant Engineer	Environment, Health & Safety	06.03.2025	PME0087/25
1022338	Niraj Kumar Singh	42	Male	Junior Engineer	Environment, Health & Safety	06.03.2025	PME0088/25
1022343	Bhimsen Sahu	45	Male	Junior Engineer	Power Plant	06.03.2025	PME0089/25
1022636	Tularam Rathia	38	Male	Assistant Manager	Power Plant	06.03.2025	PME0090/25
1022083	Digeshwar Kumar Thakur	41	Male	Assistant Manager	Power Plant	06.03.2025	PME0091/25
1020680	Rajesh Sharma	53	Male	Senior Manager	Power Plant	06.03.2025	PME0092/25
1098207	Mahendra Kumar Ghritlahre	36	Male	Manager	Environment, Health & Safety	07.03.2025	PME0093/25
1102159	Samir Giri	38	Male	Senior Engineer	Power Plant	07.03.2025	PME0094/25
1022575	Santosh Kumar Sahu	33	Male	Assistant Engineer	Power Plant	07.03.2025	PME0095/25
1022298	Gopiram Ogreji	48	Male	Senior Technician	Power Plant	07.03.2025	PME0096/25
1022571	Janardan Samal	51	Male	Senior Technician	Power Plant	07.03.2025	PME0097/25
1093749	Shivendra Dwivedi	45	Male	Engineer	Power Plant	07.03.2025	PME0098/25
1103233	Rushikesh Govindrao Patmase	27	Male	Engineer	Blast Furnace	07.03.2025	PME0099/25
3001518	Rana Biswas	37	Male	Engineer	Power Plant	07.03.2025	PME0100/25
1022063	Gangadhar Rathiya	36	Male	Technician	Power Plant	07.03.2025	PME0101/25
1021917	Sanjay Kr. Rathore	48	Male	Manager	Power Plant	07.03.2025	PME0102/25
1102607	Varsha Kanwar	21	Female	DAT	Switch Yard	07.03.2025	PME0103/25
1022225	Bhuwan Lal Patel	40	Male	Senior Technician	Power Plant	08.03.2025	PME0104/25
1022480	Dharmendra Singh	49	Male	Junior Engineer	Power Plant	08.03.2025	PME0105/25
1022362	Devendra Kumar Dewangan	46	Male	Deputy Manager	Power Plant	08.03.2025	PME0106/25
1103708	Aryan Agrawalla	23	Male	Assistant Manager	Finance & Accounts	10.03.2025	PME0107/25
1022578	Achyuta Biswal	36	Male	Junior Engineer	Steel Melting Shop(SMS)	10.03.2025	PME0108/25

1022357	Bodhram Mehar	56	Male	Senior Technician	Power Plant	10.03.2025	PME0109/25
1021875	Ashok Kumar	51	Male	Assistant Engineer	Power Plant	10.03.2025	PME0110/25
1022218	Laxmi Narayann Yadav	49	Male	Senior Technician	Power Plant	10.03.2025	PME0111/25
1022257	Belsajar Toppo	41	Male	Assistant Manager	Power Plant	10.03.2025	PME0112/25
1022493	Ramesh Rai	56	Male	Senior Technician	Bar Mill	10.03.2025	PME0113/25
1022323	Prakash M. Badwaik	37	Male	Assistant Engineer	Environment, Health & Safety	10.03.2025	PME0114/25
1022239	Rameshwer Patel	39	Male	Deputy Manager	Power Plant	11.03.2025	PME0115/25
1020102	Jagannath Prasad Yadav	29	Male	Assistant Engineer	Power Plant	11.03.2025	PME0116/25
1021775	Durgesh Kumar Verma	35	Male	Senior Technician	Power Plant	11.03.2025	PME0117/25
1022373	Laxman Prajapati	48	Male	Senior Technician	Pellet Plant	11.03.2025	PME0118/25
1021878	Manharan Bharadwaj	42	Male	Deputy Manager	Power Plant	11.03.2025	PME0119/25
2978034	Vijay Kumar Agrawal	53	Male	General Manager	Power Plant	12.03.2025	PME0120/25
1021933	Karan Yadav	39	Male	Deputy Manager	Power Plant	12.03.2025	PME0121/25
1093965	Sunkalp Srivastava	45	Male	Senior Manager	Power Plant	12.03.2025	PME0122/25
1020064	Abhishek Kumar Singh	34	Male	Assistant Manager	Power Plant	12.03.2025	PME0123/25
1022417	Devendra Kumar Singh	47	Male	Junior Engineer	Blast Furnace	12.03.2025	PME0124/25
1022432	Udaypal Singh Tomar	47	Male	Junior Engineer	Steel Melting Shop(SMS)	12.03.2025	PME0125/25
1021799	Kashi Singh Kushwaha	51	Male	Junior Engineer	Power Plant	13.03.2025	PME0126/25
1022302	Ballabh Sharaf	47	Male	Junior Engineer	Power Plant	13.03.2025	PME0127/25
1022313	Rakesh Choudhary	42	Male	Engineer	Power Plant	15.03.2025	PME0128/25
1020567	Barun Kumar Singh	38	Male	Manager	Power Plant	17.03.2025	PME0129/25
1022646	N. R. Saikiran	48	Male	Senior Manager	Power Plant	17.03.2025	PME0130/25
1021806	Shyam Kumar Sahu	54	Male	Senior Technician	Power Plant	17.03.2025	PME0131/25
1020501	Chandan Kumar Nayak	40	Male	Deputy Manager	Power Plant	17.03.2025	PME0132/25
1100914	Nithin Krishna Selvaraj	22	Male	Graduate Engineer Trainee	Power Plant	17.03.2025	PME0133/25
1021768	Munna Kumar Parbat	48	Male	Junior Engineer	Power Plant	17.03.2025	PME0134/25
1021850	Sanjay Banerjee	41	Male	Senior Technician	Power Plant	17.03.2025	PME0135/25
1020533	Sunil Hembrom	37	Male	Assistant Manager	Steel Melting Shop(SMS)	17.03.2025	PME0136/25
1022424	Mukesh Kumar Patel	45	Male	Senior Technician	Steel Melting Shop(SMS)	18.03.2025	PME0137/25
1022166	Ram Pravesh Mehta	55	Male	Junior Engineer	Steel Melting Shop(SMS)	18.03.2025	PME0138/25
1022495	R.K.Singh	55	Male	Assistant General Manager	Raw Materials Handling System	18.03.2025	PME0139/25
1021802	Shahjad Khan	44	Male	Senior Technician	Power Plant	18.03.2025	PME0140/25
1022639	Hemant Patel	38	Male	Deputy Manager	Power Plant	18.03.2025	PME0141/25
1022318	Jitendra Kumar Rathore	50	Male	Senior Technician	Power Plant	18.03.2025	PME0142/25
1019826	Hari Shankar Sahu	37	Male	Senior Engineer	Blast Furnace	18.03.2025	PME0143/25
1094959	Gurpreet Singh	33	Male	Senior Engineer	Power Plant	19.03.2025	PME0144/25
1022354	Hem Lal Sahu	48	Male	Senior Technician	Power Plant	19.03.2025	PME0145/25
1022135	Surendra Kumar Patel	46	Male	Technician	Power Plant	19.03.2025	PME0146/25
1020099	P Kumaravel	35	Male	Assistant Manager	Power Plant	20.03.2025	PME0147/25
1022559	Anup Rai	34	Male	Technician	Bar Mill	20.03.2025	PME0148/25
1022523	Ajit Kumar Jena	43	Male	Junior Engineer	Power Plant	20.03.2025	PME0149/25
1022153	Shyam Narayan Giri	56	Male	Assistant Engineer	Power Plant	20.03.2025	PME0150/25
1022622	Brij Mohan	41	Male	Junior Engineer	Bar Mill	20.03.2025	PME0151/25
1022249	Dilesh Kumar Barman	54	Male	Engineer	Bar Mill	20.03.2025	PME0152/25
2976847	Rajiv Kumar Roy	46	Male	Assistant Manager	Power Plant	20.03.2025	PME0153/25
1094488	Rajesh Kumar Singh	35	Male	Deputy Manager	Bar Mill	21.03.2025	PME0154/25
1022212	Chandra Kumar Rathore	57	Male	Technician	Central Maintenance (CMD)	21.03.2025	PME0155/25
1021895	Karmu Ram Baghel	47	Male	Staff	Administration	21.03.2025	PME0156/25
1021901	Narsingh Pd. Patel	55	Male	Technician	Power Plant	21.03.2025	PME0157/25
1022532	Ashok Vishwakarma	58	Male	Junior Engineer	Bar Mill	21.03.2025	PME0158/25
1022263	Abhishek Agrawal	42	Male	Manager	Power Plant	21.03.2025	PME0159/25
1020101	Rakesh Kumar Bhagat	38	Male	Deputy Manager	Power Plant	21.03.2025	PME0160/25
1022148	Vinod Paswan	50	Male	Senior Technician	Power Plant	21.03.2025	PME0161/25
1022150	Sandeep Singh	37	Male	Senior Technician	Power Plant	21.03.2025	PME0162/25
1095218	Suraj Kumar	23	Male	Assistant Manager	Steel Melting Shop(SMS)	21.03.2025	PME0163/25
1021939	Somesh Pardhi	50	Male	Deputy Manager	Power Plant	22.03.2025	PME0164/25
1022562	Bablu Yadav	50	Male	Junior Engineer	Bar Mill	22.03.2025	PME0165/25
1022509	Ram Nagina Yadav	45	Male	Senior Technician	Bar Mill	22.03.2025	PME0166/25
1020054	Deepak Kumar Kujur	45	Male	Deputy Manager	Power Plant	22.03.2025	PME0167/25
1021879	Dinesh Kr. Jamnare	49	Male	Engineer	Power Plant	24.03.2025	PME0168/25
1022219	Makardhawaj Patel	49	Male	Senior Technician	Power Plant	24.03.2025	PME0169/25
1101563	Manoj Kumar Mishra	35	Male	Senior Engineer	Power Plant	24.03.2025	PME0170/25
1022247	Ram Nayan Singh	42	Male	Senior Technician	Power Plant	24.03.2025	PME0171/25
1021739	Rajesh Tiwari	52	Male	Senior Technician	Power Plant	24.03.2025	PME0172/25
1093008	Ravi Kumar Singhai	33	Male	Senior Engineer	Power Plant	24.03.2025	PME0173/25
1033404	Lalan Yadav	48	Male	Senior Technician	Bar Mill	24.03.2025	PME0174/25
1020850	Abhay Kumar Shrivastava	48	Male	Manager	Bulk Raw Materials	24.03.2025	PME0175/25
1022621	Prem Chand	58	Male	General Manager	PROJECTS	25.03.2025	PME0176/25
1022349	Ramchandra Sahu	49	Male	Senior Technician	Power Plant	25.03.2025	PME0177/25
1021759	Dhananjay Singh Gavel	49	Male	Assistant Engineer	Power Plant	25.03.2025	PME0178/25
1101548	Narendra Dev Pandey	32	Male	Senior Engineer	Power Plant	25.03.2025	PME0179/25
1022288	Parmeshwar Prasad Shukla	39	Male	Assistant Manager	Power Plant	25.03.2025	PME0180/25
1022161	Devendra M. Kisaan	54	Male	Senior Manager	Power Plant	25.03.2025	PME0181/25
1021854	Jaiprakash Kushwaha	54	Male	Junior Engineer	Power Plant	25.03.2025	PME0182/25
1022429	Raj Kumar Yadav	52	Male	Senior Technician	Power Plant	25.03.2025	PME0183/25
1022479	Ajit Kumar	39	Male	Senior Technician	Power Plant	25.03.2025	PME0184/25
1022286	Ramesh Kumar Rathore	47	Male	Senior Technician	Power Plant	25.03.2025	PME0185/25
1022370	Mahabir Paswan	48	Male	Senior Technician	Power Plant	25.03.2025	PME0186/25
1021830	Vishwanath Prasad	53	Male	Senior Technician	Power Plant	25.03.2025	PME0187/25
1021809	Ram Charan Chandra	44	Male	Senior Technician	Power Plant	25.03.2025	PME0188/25
1020087	Sabyasachi Panigarahi	34	Male	Deputy Manager	Power Plant	25.03.2025	PME0189/25
1022617	Arabinda Parida	32	Male	Senior Technician	Pellet Plant	25.03.2025	PME0190/25
1022478	Vijay Bahadur Singh	42	Male	Senior Technician	Steel Melting Shop(SMS)	25.03.2025	PME0191/25
1022488	Brij Kishore Prasad	45	Male	Junior Officer	Logistics/PPC/CSD	26.03.2025	PME0192/25
1022321	Rajdeo Kumar	39	Male	Junior Engineer	Environment, Health & Safety	26.03.2025	PME0193/25
1048382	Suresh Kumar	40	Male	Junior Engineer	Power Plant	26.03.2025	PME0194/25
1022283	Sushil Kumar Sahu	42	Male	Senior Technician	Power Plant	26.03.2025	PME0195/25
1022129	Sandeep Singh	46	Male	Engineer	Power Plant	26.03.2025	PME0196/25
1022317	Mahendra Prasad Singh	49	Male	Engineer	Power Plant	26.03.2025	PME0197/25
1022238	Ashwini Kumar Jha	36	Male	Assistant Manager	Power Plant	27.03.2025	PME0198/25
1021765	Sarvsukh Singh	55	Male	Junior Engineer	Switch Yard	27.03.2025	PME00199/25

1021859	Josh Bahadur Singh	51	Male	Assistant Engineer	Power Plant	27.03.2025	PME0200/25
1021982	Siraj Ansari	50	Male	Senior Technician	Power Plant	27.03.2025	PME0201/25
1022149	Md. Siraj	52	Male	Senior Technician	Power Plant	27.03.2025	PME0202/25
1022340	Virendra Kumar Patel	42	Male	Junior Engineer	Power Plant	27.03.2025	PME0203/25
1020076	Yogesh Patel	36	Male	Senior Engineer	Power Plant	27.03.2025	PME0204/25
1022563	Dipu Kumar Singh	37	Male	Senior Technician	Power Plant	27.03.2025	PME0205/25
1022367	Amarnath Yadav	36	Male	Junior Engineer	Steel Melting Shop(SMS)	27.03.2025	PME0206/25
1022371	Lomas Yadav	38	Male	Senior Technician	Power Plant	27.03.2025	PME0207/25
1022393	Santosh Kumar Kashyap	49	Male	Senior Technician	Power Plant	27.03.2025	PME0208/25
1101549	Argha Dhara	39	Male	Deputy Manager	Oxygen Plant	27.03.2025	PME0209/25
1021781	Ram Samujh	51	Male	Assistant Engineer	Environment, Health & Safety	28.03.2025	PME0210/25
1021766	Anil Kumar	52	Male	Deputy Manager	Switch Yard	28.03.205	PME0211/25
1094681	Netram Dhiwar	38	Male	Assistant Manager	Power Plant	28.03.2025	PME0212/25
1022379	Suresh Prasad Pandey	46	Male	Junior Engineer	Power Plant	28.03.2025	PME0213/25
1022377	Bhanja Kishor Mahapatra	43	Male	Junior Engineer	Power Plant	28.03.2025	PME0214/25
1020515	Himanshu Srivastava	43	Male	Manager	Power Plant	28.03.2025	PME0215/25
1021931	Gopal Kumar Singh	41	Male	Senior Technician	Power Plant	28.03.2025	PME0216/25
1022382	Nagendra Mishra	30	Male	Technician	Power Plant	28.03.2025	PME0217/25
1022459	Alok Ranjan Nayak	40	Male	Assistant Manager	Switch Yard	28.03.2025	PME0218/25
1022217	Net Ram Patel	50	Male	Technician	Switch Yard	28.03.2025	PME0219/25
1022368	Kamal Mahato	45	Male	Junior Engineer	Power Plant	28.03.2025	PME0220/25
1022376	Narayan Singh Tuti	51	Male	Senior Technician	Power Plant	28.03.2025	PME0221/25
1022319	Kiran Kumar Sahu	43	Male	Senior Technician	Power Plant	28.03.2025	PME0222/25
1022556	Hargovind Singh	45	Male	Junior Engineer	Power Plant	28.03.2025	PME0223/25
1020081	Jitendra Kumar Sharma	36	Male	Assistant Manager	Power Plant	28.03.2025	PME0224/25
1022350	Binod Bhoi	41	Male	Junior Engineer	Power Plant	28.03.2025	PME0225/25
1022310	Lalji Choudhary	41	Male	Senior Technician	Steel Melting Shop(SMS)	28.03.2025	PME0226/25
1022512	Ram Ratan Mahato	46	Male	Senior Technician	Bar Mill	28.03.2025	PME0227/25
1022258	Anil Kumar	40	Male	Senior Technician	Bar Mill	29.03.2025	PME0228/25
1022448	Shailesh Tiwari	52	Male	Junior Engineer	Blast Furnace	31.03.2025	PME0229/25
1022378	Rajeshwar Singh	55	Male	Junior Engineer	Power Plant	31.03.2025	PME0230/25
1022481	Dhirendra Singh	46	Male	Junior Engineer	Power Plant	31.03.2025	PME0231/25
1022457	Ramesh Padhan	41	Male	Junior Engineer	Switch Yard	31.03.2025	PME0232/25
1094728	Chandra Vijay Rathore	33	Male	Senior Engineer	Switch Yard	31.03.2025	PME0233/25
1087275	Prashant Kumar Dewangan	38	Male	Manager	Switch Yard	31.03.2025	PME0234/25
1021911	Laxman Pd. Banjare	52	Male	Assistant Engineer	Power Plant	31.03.2025	PME0235/25
1022394	Sanjay Singh	48	Male	Senior Technician	Power Plant	31.03.2025	PME0236/25
1021863	Ashok Kumar Mall	46	Male	Senior Technician	Power Plant	31.03.2025	PME0237/25
1096345	Jagannath Dash	24	Male	Assistant Manager	Power Plant	31.03.2025	PME0238/25

ANNEXURE-V

JSW STEEL LIMITED, RAIGARH

DATA DISPLAYED AT MAIN GATE

(Main Gate)

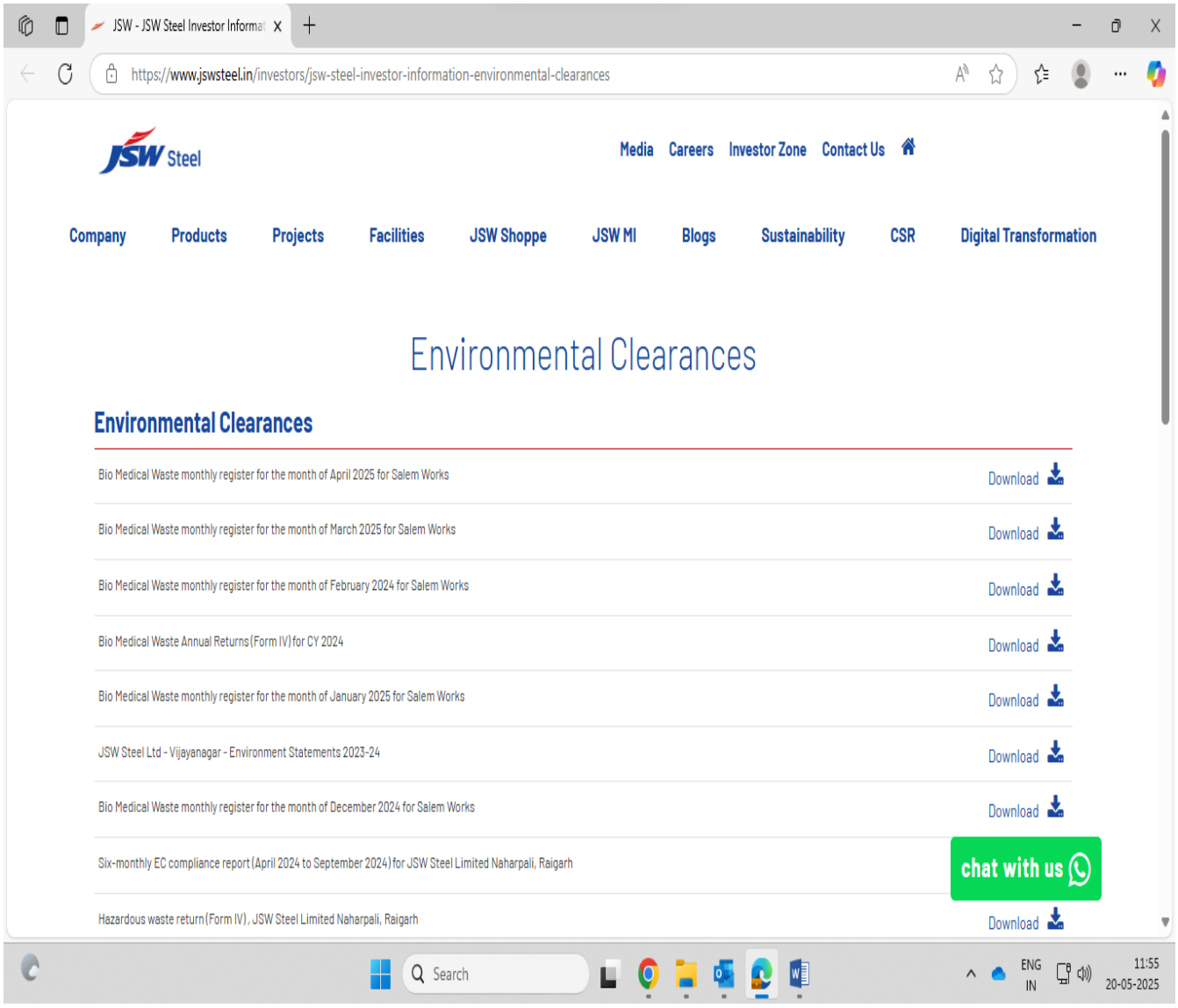
(Collector Office, Raigarh)

ANNEXURE-VI

JSW STEEL LIMITED, RAIGARH

DATA PUBLISHED IN WEBSITE

https://www.jswsteel.in/investors/jsw-steel-investor-information-environmental-clearances



PLANTATION AUDIT REPORT

For

M/s JSW STEEL LIMITED

Village & Post-Naharpali, Tehsil-Kharsia, Dist.-Raigarh, Chhattisgarh-496661

ilka

We The Environment Patronage

ILKA TECH PRIVATE LIMITED
Sai Villas 02, Raipur-Bhilai Expressway Road,
NH6, Durg, CHHATTISGARH

SEIDR RAIPUR

Society for Environment & Integrated Development Raipur
Raipur, Chhattisgarh-496661

Evaluation of Green Belt Development

FOR

M/S JSW STEEL LIMITED, NAHARPALI, RAIGARH (C.G.)

ILKA TECH PRIVATE LIMITED
Sai Villas 02, Raipur-Bhilai Expressway Road,
NH6, Durg, CHHATTISGARH
&
Survey & Evaluation by: "Society for Environment & Integrated Development Raipur"
Raipur (C.G.)

Report Prepared by:

Mr. S. K. Roy
(Retd. DCF Chhattisgarh)

Dr. V. S. Kapur
Director
Ilka Tech Pvt Ltd. C.G.

GREEN BELT PHYSICALVERIFICATION REPORT

M/s JSW NAHARPALI, RAIGARH (C.G.)

INDEX

Part A: Executive Summary

1. Introduction

JSW Group: Catalyzing India's Growth through Innovation and Sustainability

A prominent Indian conglomerate, JSW Group holds a leadership position across a diverse spectrum of industries. Their strategic presence spans Steel, Energy, Infrastructure, Cement, Paints, B2B Ecommerce, Venture Capital, Defense, Green Mobility, and Sports. This multi- sect oral approach empowers the Group to be a significant driving force behind India's economic advancement.

JSW Group's pursuit of excellence is underpinned by its core strengths and capabilities. These include the successful execution of technically demanding projects, a differentiated and value-added product portfolio, cutting-edge manufacturing facilities, and a strong commitment to sustainable development.

JSW Steel: Pioneering Innovation and Environmental Responsibility

JSW Steel stands as a leader in research and innovation within the steel sector. A strategic alliance with Japan's JFE Steel provides JSW with access to advanced technologies, enabling the production and offering of high-value specialty steel products. Notably, JSW Steel is the sole Indian company consistently ranked among the top 15 global steel producers by World Steel Dynamics for an impressive 13 years running, since 2008.
Demonstrating its commitment as a responsible corporate entity, JSW Steel's carbon reduction targets are in alignment with India's climate change commitments as outlined in the Paris Agreement.
Furthermore, JSW Steel prioritizes environmental stewardship within its operations. Their core environmental commitments include the protection of the environment, proactive pollution prevention, adherence to all relevant regulations, the conservation and efficient use of natural resources, and the preservation of biodiversity

2. About the Project

The JSW Steel Plant in Raigarh: A Key Manufacturing Hub

The Raigarh facility, formerly Monnet Ispat and Energy Limited, is now a significant and expanding steel manufacturing plant within the JSW Steel group. Located in Village and Post-Naharpali, Tehsil-Kharsia, District-Raigarh, Chhattisgarh-496661, this integrated plant boasts a steel production capacity of 1.74 MTPA and operates a 170 MW captive power plant.

3. Project Approvals & Permissions

The plant secured its initial Environmental Clearance from the MoEFCC on December 26th, 2007 (J-11011/196/2007- IA II (I)). The Chhattisgarh Environment Conservation Board (CECB) has issued Consent to Operate under the Water and Air Pollution Control Acts on March 24th, 2025 (12175/TS/CECB/2025) with validity until December 31st, 2029.

4. Greenbelt Development

The JSW Steel plant in Raigarh operates with a strong emphasis on environmental protection, integrating proactive measures to foster a green and clean environment. This commitment is evident in several key operational practices and initiatives:

- **Proactive Monitoring:** The plant utilizes online air quality monitoring stations to ensure real-time tracking and management of air quality. Water conservation is also a key focus, with dedicated measures in place.
- **Dust Emission Control:** A multi-pronged approach is employed to minimize dust pollution:
    - Raw materials like iron ore and coal are stored under covered areas.
    - Internal transportation of raw materials relies on enclosed conveyor belts.
    - Process stacks are equipped with advanced Air Pollution Control Equipment, including ESPs and Bag Houses.
    - De-dusting systems with small bag filters are installed at all transfer points to capture fugitive dust.
    - All internal roads within the plant are paved.
    - Regular housekeeping, including road sweeping by specialized machines, is practiced across the plant and colony.
    - Water sprinkling is conducted periodically, especially during the dry summer months, to further suppress dust emissions.
- **Real-time Emission Monitoring:** Opacity monitors and Continuous Emission Monitoring Systems (CEMS) are installed on all process stacks, providing real-time data on stack emissions.
- **Responsible Waste Management:** Hazardous waste is managed and maintained according to the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
- **Enhancing Green Cover and Biodiversity:** JSW Steel actively engages in tree plantation initiatives throughout the year as a core component of its environmental responsibility. These efforts aim to enhance the biodiversity index and establish green spaces in areas surrounding the plant that may have been degraded.
- **Carbon Sequestration through Afforestation:** In adherence to Consent condition no. 16, the tree plantation drives contribute to carbon sequestration, playing a role in mitigating the environmental footprint associated with steel production. By increasing green cover and supporting biodiversity, these initiatives foster a more sustainable and healthier ecosystem at both the local and regional levels

5. Plantation Benefits

The Multifaceted Advantages of Green Vegetation and the Legal Framework for Green Belts in India

Green vegetation cover offers a wealth of ecological and societal benefits, extending beyond mere visual appeal. Functioning as vital ecosystems, these green spaces actively contribute to:

- **Fugitive Emission Capture:** Acting as natural filters, vegetation helps trap and absorb airborne pollutants, improving air quality in surrounding areas.
- **Noise Attenuation:** The presence of dense foliage can effectively reduce noise pollution, creating quieter environments.
- **Biodiversity Support:** Green areas provide essential habitats and resources for a diverse range of plant and animal species, fostering ecological balance.
- **Soil and Water Conservation:** Vegetation plays a crucial role in retaining soil moisture, which enhances agricultural productivity and minimizes soil erosion. Furthermore, it facilitates the natural process of groundwater recharge, contributing to sustainable water management.
- **Microclimate Regulation:** Green cover offers shade and promotes cooling effects, helping to maintain a more pleasant local climate.

Navigating the Legal Landscape of Green Belt Development in India

The establishment and maintenance of green belts in India are governed by a comprehensive framework of environmental laws and regulations. Key pieces of legislation and authorities involved include:

1. **The Environment Protection Act, 1986 (EPA):** As the overarching law for environmental protection, the EPA empowers the central government to implement measures for environmental improvement. It also mandates Environmental Impact Assessments (EIAs) for projects that could affect green belts.
2. **The Forest (Conservation) Act, 1980:** This Act regulates the diversion of forest land for non-forestry purposes, requiring central government approval for any such diversions, including those for green belt development.
3. **The Wildlife Protection Act, 1972:** This Act focuses on safeguarding wildlife and their habitats, often including green belts, by prohibiting certain activities within protected zones.
4. **State Town and Country Planning Acts:** Various states have their own planning acts that govern land use and development, incorporating provisions for green belts within their jurisdictions.
5. **Local Municipal Laws and By-laws:** Municipalities often have specific regulations for maintaining green spaces within urban areas.
6. **The National Green Tribunal (NGT):** This specialized body adjudicates environmental protection and conservation cases, playing a vital role in ensuring compliance with green belt regulations.
7. **Environmental Clearance Processes:** Projects with potential environmental impacts, including those affecting green belts, necessitate environmental clearance from the Ministry of Environment, Forest and Climate Change (MoEF&CC) or the State Environmental Impact Assessment Authority (SEIAA), depending on the project's scale.
8. **The Land Acquisition Act, 2013:** This Act provides the legal framework for acquiring land for public purposes, including green belt development, ensuring fair compensation and rehabilitation for affected individuals.
9. **Local Government Regulations:** Municipal corporations and other local governing bodies often have their own rules concerning green spaces, parks, and open areas within their administrative boundaries.

Collectively, these laws and regulations aim to promote sustainable development while ensuring the protection and preservation of India's green spaces and overall environment. Adherence to these regulations is paramount for any development activity, particularly those involving green belts, to prevent legal issues and environmental harm.

6. LOCATION OF PLANT AND ACCESSIBILLTY

The plant area of M/s JSW Steel Limited.Naharpali, Raigarh (C.G.), is situated at village & post– Naharpali,Tahsil – Kharsiya,Janjgir – Champa, district, Chhattisgarh State. It's approximately 30 kilometers away from Raigarh city and just 8.2 kilometers from national highway No. 49 road. Access to the project site is facilitated by both bitumen roads. The Raigarhrailway station, located on the Mumbai-Howrah broad gauge mainline of the South-Eastern-Central Railway, is about 35 kilometers away from the project area.

7. AREA DESCRIPTION

I. Plant Premises Area – 227.838 Ha.
II. Requirement Green belt area as per EC –75.18 Ha (33 % of the total Plant area as the Green belt area.)

I. GREEN BELT

II. MoEF&CC Guidelines for Industrial Green Belts: A Case for JSW Steel's Raigarh Plant
III. The Ministry of Environment, Forest and Climate Change (MoEF&CC) provides specific environmental regulations and guidelines concerning the establishment of green belts around industrial facilities. These guidelines are designed to mitigate the environmental consequences of industrial operations through the creation of strategically planted green spaces.
IV. In line with these stipulations, the JSW Steel Raigarh plant is mandated to establish a green belt through extensive tree planting. The total designated green belt area, encompassing landscaping, must constitute at least one-third (33%) of the plant's total area. This significant allocation of land to greenery and landscaping underscores the commitment to enhancing environmental aesthetics and promoting ecological balance.
V. Furthermore, the guidelines may also require the identification of areas within the plant site that are earmarked for future conversion into green spaces. This phased approach allows for a gradual expansion of the green belt over time.
VI. By diligently adhering to these MoEF&CC guidelines, the JSW Steel Raigarh plant not only ensures compliance with environmental laws but also actively contributes to biodiversity conservation, air quality improvement, and overall environmental sustainability in the region.

Of total area (227.838 Ha) of the project site, 33% area (75.18 Ha.) shall be developed as green belt all along the boundary of the plant, in blocks and other available spaces. Development of green belt and other forms of greenery in and around plant site and plantation in the nearby village are helpful to improve ecological conditions and biodiversity status of the area.

8. EVALUATION OF PLANTATION

Evaluation of Plantation needs to be done by the Industrial units for Existing Plantation within plant premise & nearby areas as per stipulations made by MoEF&CC, New Delhi and CECB, Raipur in its permissions granted to the company as also directions received from the Regional offices time to time.

9. PROJECT OBJECTIVE

Plant Species act as bio–monitoring agent to monitor the air environment as well as it keeps and maintains the project environment healthy by providing more oxygen. The two areas of air pollution i.e. gases and dust need to be urgently attended by using plants. Keeping this in mind, pollution abatement measures have been suggested to develop green belt based on local and physical conditions of the areas by taking the cognizance of "**Greening with Purpose drive".**

10. PLANTATION DETAILS

M/s JSW Steel Limited. is working diligently on its tree plantation efforts within and outside the plant premises. a total of 195420 saplings were planted in the years from 2009-10 to 2025, in an area of about 78.0 Ha.

Part B: Physical Verification and Evaluation of Plantation

1. Plantation Evaluation

Survey and Evaluation work was allotted to Ilka Tech Private Limited and in close coordination and guidance of "Society for Environment & Integrated Development Raipur" this job of Tree Plant Survey and Audit was carried out by the team.

2. Methodology

1. **Tree Count:** Enumeration of all planted trees and saplings.
2. **Measurement:** Height and girth recorded for sample trees.
3. **Survival Rate:** Percentage of trees that survived post-plantation.
4. **Site Inspection:** All planted areas were physically verified.
5. **Photography:** Images captured to document plantation conditions.

3. Plantation Sites:

1. **Nearby EHS office**
2. **Inside main road both side**
3. **CHP Area**
4. **Nearby Reservoir bund area.**

5. **Power Plant area**
6. **Front of switch yard**
7. **Bar mill, Plate plant DRI road side area**
8. **Knowledge centerroad both side**
9. **Railway line side**
10. **MD building front area**
11. **Admin road both side**
12. **VIP guest house area**
13. **Temple area**
14. **School playground area**
15. **Admin building area**
16. **Colony area**
17. **Bachelor Hostel area**
18. **Fire station area**
19. **Eco park area**
20. **Behind oxygen plant area**
21. **Along with boundary wall**
22. **Others Plant premises area.**

4. Table No.1. Measurement of plantation years of 2024-25

SN	Species	Average		Maximum		Minimum	
		Girth (cm)	Height (m)	Girth (cm)	Height (m)	Girth (cm)	Height (m)
1.	Bottle palm	112.8	7.43	160	10.00	63	5.00
2.	Ashok	24.26	4.77	40	6.00	12	2.80
3.	Fishtail palm	23.44	16.32	32	2.50	12	0.80
4.	Peltophorum	37.60	5.10	2.10	14.00	3	0.50
5.	Mango	13.11	2.42	85	7.50	2	0.50
6.	Kejurina	3.3	2.63	35	7.00	25	1.70
7.	Coconut	99.9	5.68	135	7.00	0.75	4.00
8.	Ficus	9.84	2.01	12	2.50	8	1.60
9.	Mayurpankhi	9.5	1.39	14	2.00	5	0.60
10.	Kadamba	73.21	6.82	120	11.00	30	3.00
11.	Jamun	26.12	3.45	120	8.00	3	0.70
12.	Champa	23.15	4.07	32	5.00	14	2.00
13.	Badam	29.33	3.32	50	5.50	10	1.10
14.	Bargad	35.7	4.1	60	6.50	20	2.50
15.	Peepal	71.14	3.24	250	11.00	3	1

16.	Neem	13.3	2.77	30	6.00	4	0.70
17.	Sisoo	29.46	4.64	90	10.00	6	1.00
18.	Karanj	32.07	4.89	50	6.50	14	3.00
19.	Kesiasamia	17.6	3.59	28	5.00	6	1.80
20.	Sits Ashok	23.12	4.13	35	5.50	12	2.80
21.	Siris	52	4.70	85	8.00	25	2.60
22.	Kaju	1.82	1.54	24	2.75	6	0.65
23.	Conocarpus	10.41	6.8	15	4.50	6	1.50
24.	Kaner	11.61	1.01	15	1.50	8	0.50
25.	Sahtoot	19.12	3.46	35	6.50	8	2.10
26.	Teak	31	3.90	48	7.00	20	3.00
27.	Alastonia	16.85	4.30	24	5.50	10	2.50
28.	Kachnar	8.5	2.09	13	2.50	4	1.40
29.	Gulmohar	9.3	1.79	16	2.50	4	0.60
30.	Tecoma	9	1.8	15	2.1	5	1.60
31.	Mahaneem	32.57	7.5	35	8.50	28	6.00
32.	Lergestonia	50.55	9.47	70	6.00	30	4.50
33.	Bottelbursh	18	1.80	24	2.10	10	1.30
34.	Amaltas	25.57	3	30	4.00	20	2.70
35.	Erica palm	119.92	4.12	150	5.50	70	2.50
36.	Tabubuia	21.27	2.09	30	3.00	12	1.40
37.	Copek	86.5	9.85	130	12	60	6.00
38.	Amrood	9.75	2.65	20	4.50	7	2.40
39.	Niboo	18.00	1.80	24	2.10	10	1.65
40.	Bamboos	12.2	2.15	18	6.00	6	1.80
41.	Palm	35.23	5.38	65	6.50	30	3.00
42.	Sitaphal	10.75	2.26	28	3.50	8	0.50
43.	Acacia	26.90	3.8	45	6	12	2.50
44.	Aonla	15.18	1.98	25	2.50	8	1.50
45.	Foxtail palm	14.23	2.82	35	5.50	4	1.50
46.	Annar	12.22	2	15	2.50	6	1.00

47.	Karonda	6.72	1.25	15	3	5	1.20
48.	Siris white	24.12	3.00	45	5.50	4	0.50
49.	Kathal	11.81	2.12	18	3	5	1.50
50.	Other Miss.	21.61	2.67	40	4.50	10	1.50

5. Table No. – 2.Year – 2010 to 2025, Plants Survival numbers and percentage.

Total Plantation Area	Planted Plants	Survival as per survey	Survival %	Per Ha Plantation
76.32 Ha	195420	140702	**72%**	**1843**

6. Grading of Plantation

Evaluation conducted on a scale of 1-10:

Parameter Score (1-10)

A. Table No.3. Grade Card Year – 2010-11- 2024-25. Parameter Score (1-10)

Qualitative Aspects	Survival	7.50
	Health of Plantation	8.00
	Maintenance	7.50
	Sustainability	7.00

B. Grading of Project Plantation on scale 1-10

Overall Grading of Plantation	Outstanding (Excellent0 (8<10)	Very Good (5<8)	Good (3<5)	Poor (>3)
		7.5		

7.

CERTIFICATE

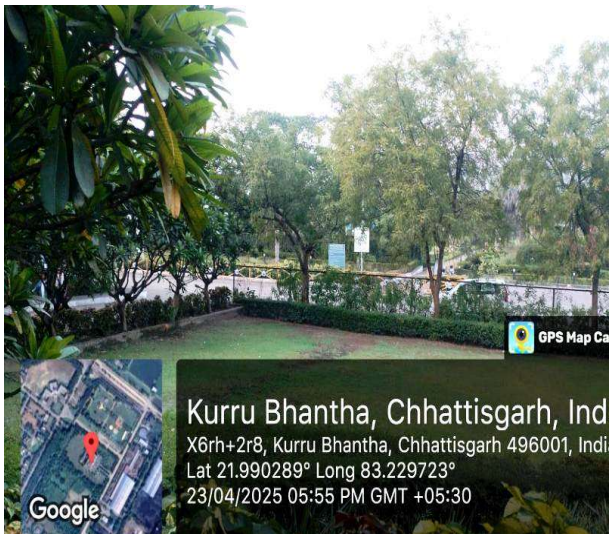
This certificate is awarded to

JSW STEEL LIMITED, RAIGARH

This is to certify that Monitoring & Evaluation Report of FY 2024-25 Green Belt Plantation was conducted by M/s Society for Environment &Integrated Development Raipur at the plant area of M/s JSW STEEL LIMITED NAHARPALI. Based on the survey and study report, we hereby certify that the total number of trees planted(195420), the number of surviving trees in the plant and periphery is 140702 at the rate of number of 1843 (App.)trees per hectare with the survival rate of 72%. This covers 76.32 hectares of the total plant and periphery area i.e. 33.5% of total plant area. Average 50 Lakhs annually expenditure is being done on Horticulture and Green Belt development.

S.K. Roy
(Retd. DCF C.G. Forest)
"President"
SEIDR

8. Pictures of Plantation:

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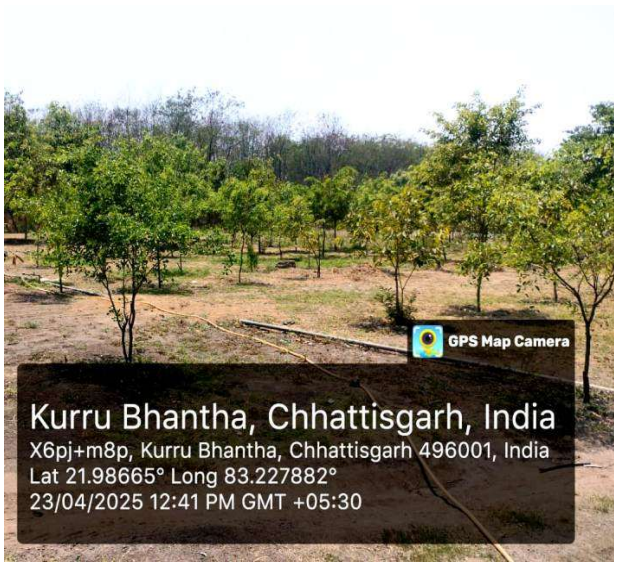
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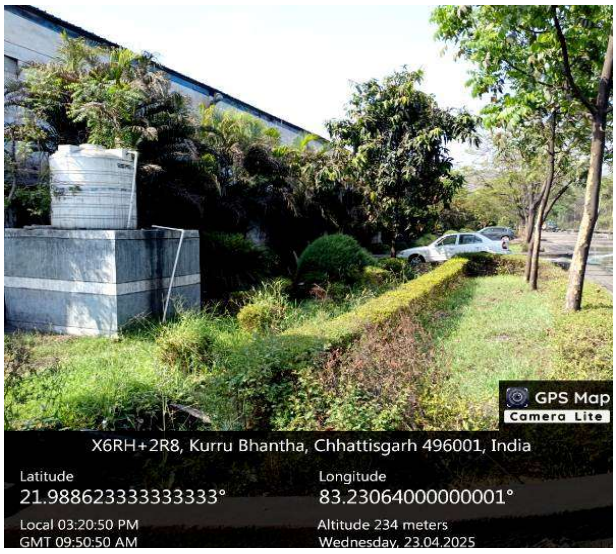
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9. Discussion with management and staff name as under:

1.	Mr. Vijayasekhar V	:	G M - EHS
2.	Mr. Mahendra Kumar	:	Manager - EHS
3.	Mr. Dinesh Kumar Mishra	:	Assistant Manager

10. Conclusion and Suggestions:-

1. A Horticulture Division is working under the Guidance of EHS in compliance to the legal requirement of EC & CTO.
2. Plantation and greenery can be seen all around the plant premises area.
3. The survival rate and the growth of the plantation are very good but there is a scope to improve.
4. Wide canopy species towards plant side and tall trees towards boundary side should be planted.
5. Avoid ornamental plants and Shrubs select local species without flower and if flowering tree planted then plant Gulmohar red and local yellow flower, Amaltas,Cahanar, Bamboo&Karanj trees.
6. The Horticulture division has developed their own nursery where they prepare new plants.
7. In the plant there are miscellaneous plantation has been carried out according to the availability of land and demand of the site.
8. The overall impression of the green belt developed by the Horticulture division and EHS department of M/s JSW STEEL LIMITED seems as they have paid more attention on planting decorative as well as ever green plants.
9. The greenery of the plant premise show the zeal and dedication of the Environment Management Department and they should be appreciated for such a good job.

11.

A WORD OF APPRECIATION

We commend the management of *M/S JSW STEEL LIMITED* for their proactive efforts in developing a greenbelt. Their dedication to environmental sustainability is evident from the well-maintained plantations within and outside the plant premises.

ILKA TECH PVT. LTD.
Raipur / Bhilai, Chhattisgarh

"SEIDR"
(Society for Environment & Integrated Development Raipur)
Raipur, Chhattisgarh.

(END OF THE REPORT)

Annexure: A

छत्तीसगढ़ पर्यावरण संरक्षण मण्डल
पर्यावास भवन सेक्टर–19
नवा रायपुर, अटल नगर– 492002
ई–मेल hocecb@gmail.com

क्रमांक 10400/छ.ग.प.स.म./2024 नवा रायपुर, दिनांक 22/3/2024

प्रति,

क्षेत्रीय अधिकारी,
क्षेत्रीय कार्यालय,
छत्तीसगढ़ पर्यावरण संरक्षण मण्डल,
रायपुर/बिलासपुर/रायगढ़/कोरबा/
भिलाई–दुर्ग/अंबिकापुर/जगदलपुर।

विषय :– उद्योगों द्वारा किये गये वृक्षारोपण का मूल्यांकन किये जाने के संबंध में।

सन्दर्भ :– 1.इस कार्यालय का पत्र क्रमांक/2080/तक/मु/छ0ग0प0स0मं0/2015 दिनांक 30/07/2015

2.कार्यालय अपर प्रधान मुख्य वन संरक्षक, (संयुक्त वन प्रबंधन एवं नीति विश्लेषण) छत्तीसगढ़ रायपुर का पत्र क्रमांक सं.व.प्र./एफ.डी.ए/04/765 रायपुर दिनांक 05/08/2015

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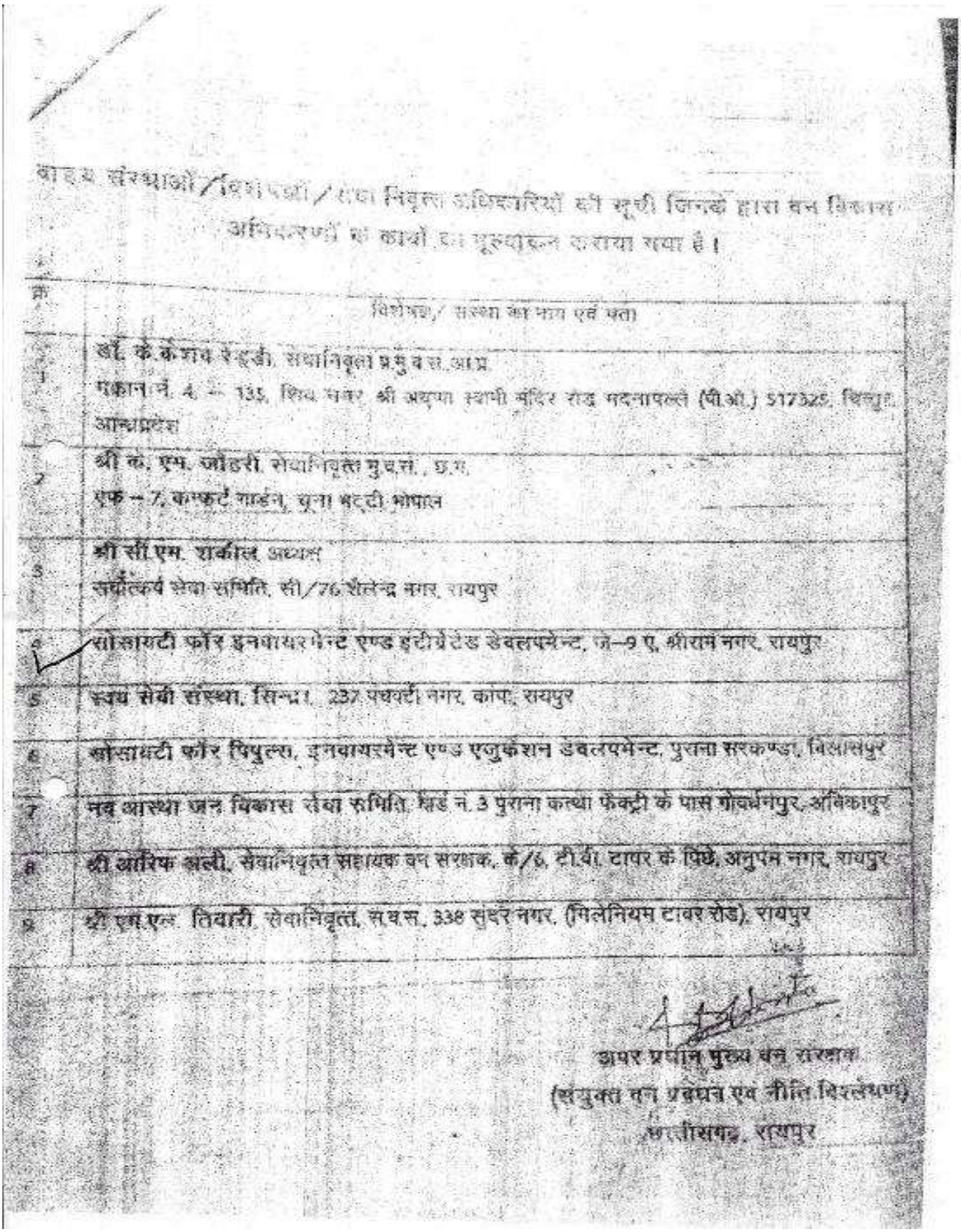
उपरोक्त विषयान्तर्गत संदर्भित पत्र के माध्यम से अवगत कराया गया है कि, राष्ट्रीय वनीकरण कार्यक्रम के अन्तर्गत वन विकास अभिकरणों के माध्यम से कराये गये वृक्षारोपण कार्यो का मूल्यांकन बाह्य संस्थाओं/विशेषज्ञों/सेवा निवृत्त अधिकारियों से कराये जाने का प्रावधान है। उक्त के अन्तर्गत विगत वर्षा में, बाह्य संस्थाओं/विशेषज्ञों/सेवा निवृत्त अधिकारियों द्वारा वन विकास अभिकरणों वृक्षारोपण के कार्यो का मूल्यांकन कराया गया है, की सूची उपलब्ध कराई गई ।

संयुक्त प्रबंधन शाखा से प्राप्त संदर्भित पत्र एवं सूची, इस पत्र के साथ संलग्न है। सूची में अंकित संस्थाओं से, निजी क्षेत्रों के उद्योगों/संस्थाओं द्वारा किये गये वृक्षारोपण के मूल्यांकन एवं अनुश्रवण कार्य कराया जा सकता है।

संलग्नः उपरोक्तानुसार।

सदस्य सचिव
छत्तीसगढ़ पर्यावरण संरक्षण मण्डल,
नवा रायपुर, अटल नगर



वानिकी संस्थाओं/विशेषज्ञों/एवं सेवानिवृत्त अधिकारियों की सूची जिनके द्वारा वन विकास अभिकरणों का कार्य का मूल्यांकन कराया गया है।

क्र.	विशेषज्ञ/ संस्था का नाम एवं पता
1	डॉ. के.केशव रेड्डी, सेवानिवृत्त प्रमु.व.स.आ.प्र. मकान नं. 4 – 135, शिव मंदिर श्री अयप्पा स्वामी मंदिर रोड मदनापल्ले (पी.ओ.) 517325, चित्तूर, आन्ध्रप्रदेश
2	श्री के. एम. चौधरी, सेवानिवृत्त मु.व.स., छ.ग. एफ – 7, कम्फर्ट गार्डन, चूना भट्टी भोपाल
3	श्री सी.एम. शर्मा, अध्यक्ष सर्वोदय सेवा समिति, सी/76 शैलेन्द्र नगर, रायपुर
4	सोसायटी फॉर इनवायर्मेन्ट एण्ड इंटीग्रेटेड डेवलपमेन्ट, जे–9 ए, श्रीराम नगर, रायपुर
5	स्वयं सेवी संस्था, सिन्धु, 237 पचवटी नगर, कांपा, रायपुर
6	सोसायटी फॉर पिपुल्स, इनवायरमेन्ट एण्ड एजुकेशन डेवलपमेन्ट, पुराना सरकण्डा, बिलासपुर
7	नव आस्था जन विकास सेवा समिति, गेट नं. 3 पुराना कत्था फैक्ट्री के पास गोर्धनपुर, अंबिकापुर
8	श्री आरिफ अली, सेवानिवृत्त सहायक वन संरक्षक, के/6, टी.वी. टावर के पिछे, अनुपम नगर, रायपुर
9	श्री एस.एन. तिवारी, सेवानिवृत्त, स.व.स., 338 सुंदर नगर, (मिलेनियम टावर रोड), रायपुर

अपर प्रधान मुख्य वन संरक्षक
(संयुक्त वन प्रबंधन एवं नीति विश्लेषण)
छत्तीसगढ़, रायपुर

कार्यालय प्रधान मुख्य वन संरक्षक छत्तीसगढ़ [illegible] रायपुर

(शाखा–संयुक्त वन प्रबंधन)

दूरभाष: 0771 – 2552239, फैक्स: 0771 – 2880399

क्रमांक/[illegible]/255 E-mail: [illegible]

प्रति, रायपुर, दिनांक [illegible]/08/2015

सदस्य सचिव,
छ.ग. पर्यावरण संरक्षण मंडल
व्यावसायिक परिसर, छ.ग. हाउसिंग बोर्ड कॉलोनी,
कबीर नगर, रायपुर छ.ग. 492099

विषय:– उद्योगों द्वारा किये गये वृक्षारोपण का मूल्यांकन किये जाने के संबंध में।

संदर्भ:– आपका पत्र क./2080/तक./मू./छ.ग.प.सं.मं./2015 दिनांक 30.07.2015

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विषयांतर्गत राष्ट्रीय वनीकरण कार्यक्रम के अंतर्गत वन विकास अभिकरणों के माध्यम से कराये गये वृक्षारोपण कार्यों का मूल्यांकन बाह्य संस्थाओं/विशेषज्ञों/सेवा निवृत्त अधिकारियों से कराये जाने का प्रावधान है। उक्त के अंतर्गत विगत वर्षों में बाह्य संस्थाओं/विशेषज्ञों/सेवा निवृत्त अधिकारियों द्वारा वन विकास अभिकरणों के कार्यों का मूल्यांकन कराया गया है।

संदर्भित पत्र में किये गये उल्लेख अनुसार उक्त बाह्य संस्थाओं/विशेषज्ञों/सेवा निवृत्त अधिकारियों की सूची संलग्न कर प्रेषित है।

अपर प्रधान मुख्य वन संरक्षक
(संयुक्त वन प्रबंधन एवं नीति विश्लेषण)
छत्तीसगढ़, रायपुर

CE(I/c) / ACE(R/L)
SE(B/M/S) / EE / CC
PRO / SO(A/c) / Stf.O / SO-I/II

MEMBER SECRETARY

"Green भारत" "Clean भारत"

पत्र क्रमांक 95/11
दिनांक 3/3/11

प्ररूप दो

(नियम 6 देखिये)

छत्तीसगढ़ शासन

सोसायटी के रजिस्ट्रीकरण का प्रमाण – पत्र

क्रमांक छ.ग. राज्य– 3270

यह प्रमाणित किया जाता है कि सोसायटी फार इनवायरमेन्ट एण्ड इन्टीग्रेटेड डेवलपमेंट – रायपुर सोसायटी, जो 9/ए [illegible] तहसील रायपुर जिला रायपुर में स्थित है, छत्तीसगढ़ सोसायटी रजिस्ट्रीकरण अधिनियम, 1973 (क्रमांक 44 सन् 1973) के अधीन तारीख 1–3–2011 को रजिस्ट्रीकृत की गई है।

उप पंजीयक

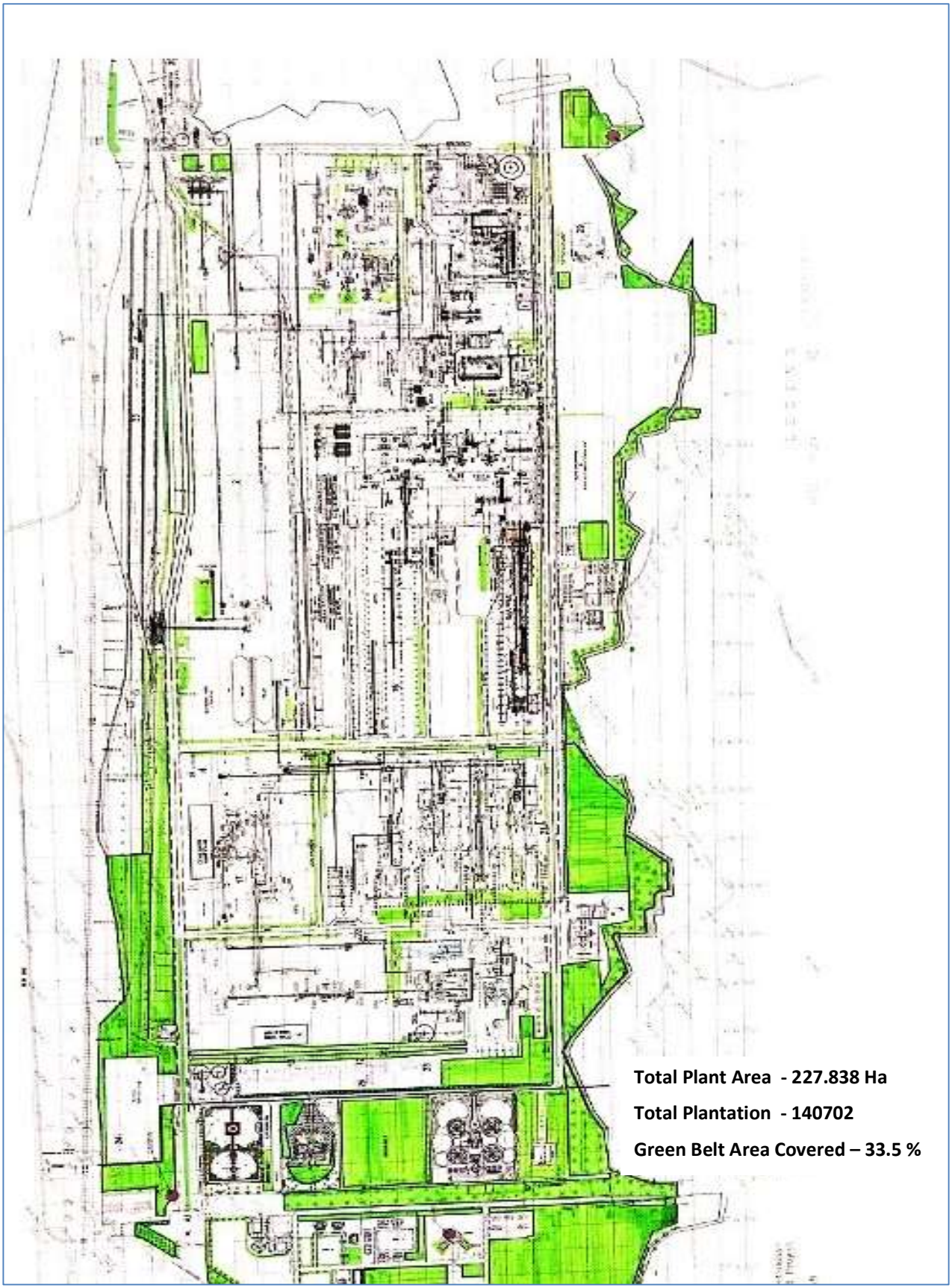
मुद्रा

(डी.डी. [illegible])

समितियों के लिये रजिस्ट्रार

सोसायटियों का रजिस्ट्रार

Annexure: B


Total Plant Area - 227.838 Ha
Total Plantation - 140702
Green Belt Area Covered – 33.5 %

Annexure-VIII		
Environment Management Department Expenditure Details		
Period - October 2024 To Mar 2025		
SN.	**DESCRIPTION**	**Amount (In INR)**
1	Maintenance of monitoring Equipments	₹ 35,98,126.00
2	Manpower Supply and Consultancy fee	₹ 11,83,766.00
3	Consent renewal fee	₹ 1,04,93,413.00
4	Horticulture	₹ 18,00,000.00
Total (Rupees One Crore Seventy Lakh Seventy-Five Thousand Three Hundred Five)		**₹ 1,70,75,305.00**

V. Vijaya Sekhar

HOD (EHS)