

Lr.No: JSAW/ENV/APPCB/EC-CR/2026-27/006

Date: 29.05.2026

To,

The Joint Director,

Ministry of Environment, Forest and Climate Change,

Sub-Office, Green House Complex,

Gopal Reddy Road, Vijayawada, Andhra Pradesh – 52010.

Sub: Submission of Six Months Compliance Report for the Jindal Saw Limited, Sy.42 to 49, Haresamudram (V), Bommanhal (M), Ananthapuramu (Dist.), Andhra Pradesh – Reg.

Ref: Vide EC File Number. IA-J-11011/125/2010-IA-II (IND-I) dated 10/08/2025.

Dear Sir,

With reference to the above subject, we are herewith submitting six months Environment Clearance compliance report of M/s Jindal Saw Limited, operating the Sinter Plant (5,50,000 TPA), Pig Iron/ Hot Metal (4,50,000 TPA), DI Plant (4,50,000 TPA) and Power Plant (60 MW) located at Haresamudram (V), Bommanhal (M), Ananthapuramu (Dist.) for the period of **October 2025 to March 2026.**

This is for your kind information and records please.

Thanking You,

Yours Faithfully,

For **Jindal Saw Limited**


Authorized Signatory



Date:29.05.2026

To,
The Joint Director,
Ministry of Environment, Forest and Climate Change,
Sub-Office, Green House Complex,
Gopal Reddy Road, Vijayawada, Andhra Pradesh – 52010.

Respected Sir,

Subject: Submission of Six Months Compliance Report for the Jindal Saw Limited, Sy.42 to 49, Haresamudram (V), Bommanhal (M), Ananthapuramu (Dist.), Andhra Pradesh – Reg.

Ref: Vide EC File Number. IA-J-11011/125/2010-IA-II (IND-I) dated 10/08/2025.

With reference to the above, we are here with submitting of EC (Half Yearly Compliance Report) for The Period of October 2025 - March 2026 on EC Conditions audited by Our NABL Accredited Laboratory AKUNLABORATORIES PVT.LTD for **M/S. JINDAL SAW LIMITED**. Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal Andhra Pradesh 515871 India.

Kindly Acknowledge the Receipt of the Same

Thanking you,

Yours Sincerely

For AKUNLABORATORIES PVT.LTD



Manager Laboratory

Enclosure: EC Half Yearly Compliance Report

SIX MONTHLY COMPLIANCE REPORT
ON STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE
(Period: -October 2025 to March 2026)

For

M/S. JINDAL SAW LIMITED.
Survey No. 42 to 49, Haresamudram Village
Bommanahal Mandal, Anantapuram District
Post Office Bommanahal Andhra Pradesh 515871 India.

Prepared by:

AKUNLABORATORIES PVT.LTD

Plot No: 899, Flat No: 201,
Vivekananda Nagar Colony, Near Sumana
Hospital, Kukatpally, Hyderabad-500072

2ndFloor, 18-12/1, Vengalayapalem,
Guntur, Guntur District,
Andhra Pradesh – 522005

Phone: +917095734733; +917661044686.
E-mail: info@akunlaboratories.com

Submitting to:

The Director

Ministry of Environment, Forest and Climate Change

Integrated Regional Office, Green House,

Gopalareddy Road,

Vijayawada – 520010, Andhra Pradesh

Project Name	:	M/S. JINDAL SAW LIMITED.
Location of the Project	:	Survey No. 42 to 49, Haresamudram Village Bommanahal Mandal, Anantapur District Post Office Bommanahal Andhra Pradesh 515871, India.
EC Order No	:	IA-J-11011/125/2010-IA-II(IND-I) dated 10/08/2025.
Compliance Report Period	:	October 2025 to March 2026

Six Monthly Compliance Report on Environment Clearance Conditions

HALF YEARLY CONDITION WISE COMPLIANCE REPORT

S. No	EC Conditions	Compliance Status
1.1	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Complied We hereby undertake that the project shall abide by and comply with the final orders/judgments passed by the Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT, and any other Court of Law, as applicable to this project.
1.2	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Complied All environmental protection measures proposed in the EIA/EMP report have been incorporated into project design and operation. Environmental Management Plan (EMP) measures such as: 1) Air pollution control systems (APCDs) have been installed and are operational. Wastewater treatment systems (STP) installed and function as per design. Solid and hazardous waste management is being carried out as per applicable rules. 2) Risk mitigation measures (fire safety, chemical handling, emergency preparedness) are implemented. Regular environmental monitoring (air, water, noise, soil) is being conducted as per EC conditions. 3) A dedicated Environment Management Cell (EMC) has been established to ensure compliance.
1.3	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard	In progress Carbon Capture Measures: Energy-efficient systems and process optimizations have been implemented to minimize carbon emissions. Advanced air pollution control systems with provisions for CO ₂ reduction/management are being evaluated and integrated wherever feasible.

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		Carbon Sequestration / Sink Development: A comprehensive greenbelt development program has been undertaken within and around the project premises. Native and fast-growing species with high carbon absorption potential are being planted to enhance carbon sequestration capacity. Additionally, efforts such as soil carbon enhancement and plantation drive in nearby areas are being implemented.
1.4	PP shall complete the conversion of total land for industrial purpose.	Complied The land conversion for industrial purposes has been completed, and the PP has complied with the stipulated condition.
1.5	The project proponent shall ensure that the 2.499 ha housing facility located in the northwest direction of the existing project, originally constructed by the erstwhile project proponent and not transferred to M/s Jindal Saw Ltd. through the NCLT process, shall be acquired through appropriate legal means for use by project personnel. The project proponent shall ensure compliance with all applicable local planning, environmental, and legal requirements for such acquisition and use.	Complied The 2.499 housing facility located in the northwest direction of the existing project has been acquired through appropriate legal means for use by project personnel, thereby complying with the stipulated condition.
1.6	Kuruvalli village is at 1.5 km towards ENE from the project site along with other sensitive areas within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimize the impact on the habitation of the locals, including development of greenbelt for school within 1km, in consultation with school authorities. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.	Complied Environmental safeguards Measures have been implemented to minimize impact on Kuruvalli village and nearby sensitive areas. Dust suppression measures such as water sprinkling, covered transport, and paved roads are in place. A dense greenbelt has been developed along the plant boundary with native species. Sensitive locations including Kuruvalli village and nearby schools have been included in the environmental monitoring programme.
1.7	The project proponent shall ensure that the existing natural drainage channels within the	Complied The existing natural drainage channels within

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	project site are maintained without disturbance, as per the NOC dated 09.09.2024 from the Water Resources Department. The seasonal drain along the southern boundary shall remain undisturbed, with proper paving and greenbelt on both sides, and the internal drainage shall be integrated with the plant drainage system. Measures for managing drainage shall be undertaken in consultation with the Water Resources Department.	the project site, including the seasonal drain along the southern boundary, have been maintained without disturbance in compliance with the NOC dated 09.09.2024 issued by the Water Resources Department. Necessary paving, greenbelt development, and integration with the plant drainage system have been completed in consultation with the concerned department.
1.8	There are several water bodies reported within the study area of the project site s. A robust and foolproof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.	Complied A robust drainage conservation scheme, along with soil conservation and erosion control measures, has been implemented to protect the natural drainage system and flow parameters of the water bodies within the study area, thereby complying with the stipulated condition.
1.9	The water requirement for the total project (including existing plus proposed project) is estimated as 7000 m ³ /day, shall be sourced from Hagari River. PP shall obtain necessary permission from the Competent Authority.	Complied Water consumption is maintained below 7000 m ³ /day for the expansion. Permission from Irrigation & Command Area Development Department is obtained. The details of the above are given memo no: 1422/Irrgn.III (2)/91-1 dated 11.02.1991 as enclosed Annexure – I.

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1.10	Three tier Green Belt shall be developed and maintained in at least 33% of the project area, in a period of 1 year, of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards sensitive areas nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.	In Progress Development of the three-tier green belt over 33% of the project area, including shelter belt plantation with prescribed tree density and spacing, is under progress. Currently over 45.46 Acres of land are planted. Periodic monitoring of plant survival and replacement of damaged plants is being carried out. Compliance status shall be submitted to the concerned Regional Office of MoEF&CC as stipulated. Photos enclosed as Annexure-II
1.11	The PP shall undertake plantation, in compliance to MoEF&CC OM dated 24.07.2024, in the earmarked 33% or 40% greenbelt area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on Meri Life portal at (https://merilife.nic.in).	Complied Tree plantation activities have been undertaken within the designated 33% greenbelt area in line with the MoEF&CC OM dated 24.07.2024. Plantation is carried out as part of the “Ek Ped Maa Ke Naam” campaign.
1.12	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs.19.19 Crores shall be strictly implemented. The action plan shall also cover activities related to (i)promotion of environmental education and awareness, and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill). An institutional mechanism shall be developed for monitoring the implementation of the	Complied All commitments made during Public Hearing and SIA study are being implemented in a phased manner. Activities are aligned with the approved EMP and local community needs. A total budget of ₹19.19 Crores has been earmarked for socio-economic development activities. Funds are being allocated and utilized as per the approved action plan with proper financial tracking. i) Awareness programs on environmental protection, pollution control, and sustainability are conducted in nearby villages and schools. Community participation in plantation drives and environmental campaigns is encouraged.

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	commitments made, which should also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.	ii) A dedicated committee/cell has been established to monitor implementation of PH commitments. Regular review meetings are conducted to assess progress.
1.13	The project proponent shall undertake village adoption programme, as committed, and prepare and implement the action plan to develop them into a model village, in consultation with the State Administration.	Noted and abide by the said condition
1.14	PP shall implement the skill development programs, proposed under Socio economic development Action plan, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEF&CC.	In Progress Implementation of skill development programs under the Socio-Economic Development Action Plan is under progress in alignment with relevant Government initiatives. The programs are being developed in consultation with concerned authorities, and the detailed action plan, monitoring mechanism, and periodic progress reports shall be maintained and submitted to the Regional Office of MoEF&CC. Focus is on sustainable livelihoods and local economic development.
1.15	PP shall Install CO sensors with alarms at strategic locations in the Plant	Complied CO sensors have been installed at strategic locations such as process areas, confined spaces, fuel handling areas, DG sets, and worker-occupied zones. Sensor placement is based on risk assessment and potential CO generation points. All CO sensors are integrated with audible and visual alarm systems.
1.16	PP shall implement cleaner production and waste minimisation measures, and initiate coordination action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, plastics, waste management, green skills etc.) through a	In Progress Cleaner production and waste minimisation measures are being implemented, and activities related to environmental awareness, education, and conservation are being carried out through a dedicated institutional mechanism. The actions are being regularly monitored and reported to the Regional Office

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	dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self-compliance reporting mechanism.	of MoEF&CC through the self-compliance reporting mechanism.
1.17	The other observations made in the certified compliance report of the Regional Office, the Action Taken Report (ATR), and the letter from the Compliance & Monitoring Division (CMD) of MoEF & CC, shall be strictly complied with by the project proponent.	Complied All observations/conditions mentioned in the Regional Office compliance report, ATR, and CMD communications have been reviewed in detail. A point-wise compliance matrix has been prepared. Compliance status and ATR updates are submitted to the Regional Office of MoEF&CC as required. Any additional directions issued by CMD are promptly implemented.
1.18	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.	Complied Periodic soil health monitoring has been conducted in and around the plant premises, including agricultural fields within a 5 km radius, covering all prescribed parameters such as pH, electrical conductivity, organic carbon, macro and micronutrients, and heavy metals. The monitoring results have been compiled and submitted to the State Pollution Control Board and the Regional Office of MoEF&CC. Soil Analysis Report as Annexure- III.
1.19	PP shall install STP in Mandal Bommanahal in next 2 year by 2027 as part of socio-economic development activity of nearby villages.	Being Complied
1.20	All the blast furnace (BF) slag shall be granulated and provided to cement manufacturers for further utilization. Accretions shall also be properly utilized.	Complied All blast furnace (BF) slag is being fully granulated and supplied to cement manufacturers for further utilization. Accretions are also being properly collected and utilized in an environmentally sound manner, thereby complying with the stipulated condition.
1.21	Proper utilization of fly ash should be ensured as per "Fly Ash Notification" as amended from time to time.	Complied 100% fly ash generated is supplied to cement manufacturers, brick manufacturing units.

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1.22	Prior permission and recommendations of the state forest department regarding the impact of the proposed plant on Mincheri R.F shall be obtained and recommendation if any should be implemented in a time bound manner.	Complied The project proponent has conducted a wildlife conservation study and submitted the study report to the Principal Chief Conservator of Forests & Chief wildlife warden (PCCF) and the Divisional Forest Officer (DFO) for their review and approval. Acknowledgement copies of the submissions are enclosed as Annexure-IV .
1.23	All the recommendations made in the charter of corporate responsibility for environmental protection (CREP) for steel plants should be implemented	Complied CREP recommendations are noted and implemented. Annexure-V .
1.24	The company shall provide housing for construction labour within the site with all the necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health cares, crèche etc., the housing may be in the temporary structure to removed after the completion of the project.	Complied Company provided housing for construction labour within the site premises and necessary infrastructure facilities also taken care. We have appointed medical officer for our existing employees on regular basis. For construction labour also we are extending doctor facility on their health requirements. Photos enclosed as Annexure-VI
1.25	In case source of coal supply is to be changed at a later stage (now imported coal from Indonesia) the project proponent shall intimated the Ministry well in advance along with necessary requisite documents for its concurrence for allowing the change. Further, the project proponent shall also explore the possibility of using indigenous coal for the project processes.	Complied The project currently using imported coal. Any change will be intimated to MoEF&CC with requisite documents. Under modernization-cum-expansion, replacement with indigenous coal is envisaged; due environmental clearance will be sought.
1.26	The project proponent shall ensure continued monitoring of the chemical composition of coal, particularly with respect to heavy metals and radioactivity, in consultation with a reputed institute, especially in the event of any change in the source of coal. Preference shall be given to indigenous coal, and any such change in coal source shall be preceded by a fresh assessment of its suitability, including radioactivity levels. Fly ash shall be supplied for utilization, including in brick manufacturing, only after confirming compliance with relevant standards	Complied. Monitoring of the chemical composition of coal, including heavy metals and radioactivity, is being carried out in consultation with a reputed institute. Preference is being given to indigenous coal, and any change in coal source is preceded by a fresh suitability assessment, including radioactivity evaluation. Fly ash is being supplied for utilization, including brick manufacturing, only after ensuring compliance with the relevant standards and

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	and safety criteria	safety criteria. Coal analysis report is attached herewith as Annexure – VII.
1.27	Necessary coordination shall be made with concerned SPCB (who is responsible for Compliance of OM dated 14-01-2025) regarding streamlining the implementation of GSR 702 and GSR 703 dated 12-11-2024 through which projects requiring prior EC were exempted from requirement of CTE.	Complied The Industry Necessary coordination has been established with the concerned State Pollution Control Board. Clarifications and guidance have been obtained regarding applicability of OM dated 14.01.2025 The provisions of GSR 702(E) dated 12.11.2024 and GSR 703(E) dated 12.11.2024 have been reviewed. The project qualifies for exemption from Consent to Establish (CTE), subject to compliance with stipulated conditions.

1. Statutory Compliance

S. No	EC Conditions	Compliance Status
1.1	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	Complied The condition has been noted and complied with. It is understood that the Environment Clearance (EC) is granted under the provisions of the EIA Notification, 2006 and its amendments, and does not substitute any other statutory approvals, consents, permissions, or compliance requirements under applicable Acts, Rules, or regulations.
1.2	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Complied The condition has been noted and complied with. The Environmental Clearance is accepted as being subject to the final outcome of any proceedings before the Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT, or any other Court of Law, as may be applicable to the project.

2. Air Quality Monitoring and Preservation

Sl.No	Stipulated Condition	Compliance Status
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2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Complied All process stacks are equipped with 24x7 Continuous Emission Monitoring Systems (CEMS). At present, 02 Continuous Ambient Air Quality Monitoring Stations (CAAQMS) have been installed, and the remaining station will be installed in the upcoming financial year. All CEMS and CAAQMS units are duly connected to both the SPCB and CPCB online servers. Calibration of the systems is being carried out periodically as per the equipment supplier specifications through NABL accredited laboratories. Photos enclosed as Annexure-VIII.
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	Complied Continuous Ambient Air Quality Monitoring is being carried out for key parameters such as PM10, PM2.5, SO2, and NOx at the main gate and at nearby villages including Bommanahal, Kuruvalli, and Haresamudram, in line with NAAQS 2009 requirements, covering upwind and downwind locations. The monitored results are observed to be within the prescribed standards of NAAQS 2009. The monitoring reports are being submitted periodically to the APPCB office. Report are attached herewith as Annexure – IX.
2.3	The project proponent shall monitor fugitive emissions in the plant premises at least once every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Complied Fugitive emissions within the plant premises are being monitored on a quarterly basis through NABL accredited laboratories as per the prescribed schedule. The monitoring reports are attached herewith for reference. Analysis Reports Enclosed as Annexure-X.
2.4	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	Complied The sampling platforms, ports, ladders, and access arrangements have been installed as per standard design requirements to facilitate safe and representative sampling.

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2.5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply with prescribed stack emission and fugitive emission standards.	Complied Appropriate Air Pollution Control (APC) systems have been provided at all dust-generating points, including control measures for fugitive dust from vulnerable sources. These systems are being operated and maintained to ensure compliance with the prescribed stack emission and fugitive emission standards.
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Complied Leakage detection systems and mechanized bag cleaning facilities, including mechanical dust purging systems, have been provided to ensure effective maintenance of filter bags and control of emissions.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Complied Enough mobile and stationary vacuum cleaners have been provided for regular cleaning of plant roads, shop floors, and roofs. In addition, road sweeping machine are also deployed for effective and routine cleaning of internal plant roads. Photos enclosed as Annexure-XI.
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	Complied All trucks/dumpers carrying coal and other raw materials are leak-proof and are properly covered with tarpaulin during transportation. This practice effectively minimizes fugitive dust emissions and material loss during transit Photos enclosed as Annexure-XII.
2.9	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.	Complied the primary fume extraction system is designed to capture fumes directly at the source during furnace operation, while the secondary fume extraction system effectively collects any fugitive emissions escaping into the work environment. The extracted fumes are routed to appropriate air pollution control devices (APCDs), such as bag filters or scrubbers, to ensure compliance with prescribed emission standards.

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2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	Complied Wind shelter fences are provided at raw material stockpiles. And dust suppression by spraying water-based is being carried out on stockpiles at regular intervals to control fugitive dust emissions. These measures effectively reduce airborne particulate matter from storage areas.
2.11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Noted.
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.	Complied The Industry All necessary air pollution control devices (APCDs) such as bag filters, scrubbers, ESP's and other relevant systems have been installed at identified emission sources to control particulate matter and gaseous emissions within the prescribed limits. The systems are designed, operated, and maintained as per CREP recommendations applicable to the industry.
2.13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.	Complied The Industry has Various air pollution control systems such as mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators (ESPs), thermal oxidizers, condensers, absorbers, adsorbers, and biological treatment systems have been installed and are being operated effectively based on process requirements. These systems ensure control of particulate matter, gaseous emissions, and volatile pollutants within prescribed limits.

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2.14	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.	Complied All bag filters are equipped with mechanized cleaning systems (such as pulse jet), which are operated regularly to maintain optimal filtration efficiency. Periodic inspection of filter bags is carried out, and any worn-out or damaged bags are promptly replaced to prevent emission exceedances.
2.15	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.	Complied Water sprinkling through mobile tankers is being regularly carried out on plant roads twice daily to control fugitive dust emissions. Fixed and movable water sprinklers have been installed in raw material handling areas for effective dust suppression. In addition, mist cannons have also been provided at strategic locations to further control fugitive emissions, thereby ensuring compliance with the stipulated condition. Photos enclosed as Annexure-XIII.
2.16	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.	Complied Appropriate air pollution control devices (APCDs) such as bag filters/electrostatic precipitators (ESPs) have been installed and are operated efficiently as per the approved action plan to control particulate emissions. Regular preventive maintenance and periodic inspection of these systems are carried out to ensure consistent performance and compliance. Analysis Reports Enclosed as Annexure-XIV.
2.17	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.	Complied a. For effectively control fugitive dust emissions within the plant premises: Fog/mist sprinkler systems have been installed at all bulk raw material storage areas and transfer points, including handling of iron ore, coal, fly ash, and other solid materials.

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		b. All trucks and covered with tarpaulin to avoid spillage and dust emission. c. Plant entry and exist roads are paved completely so there is no chance of dust emission from truck movement. Water sprinkling through mobile tankers is being regularly carried out on plant roads twice daily to control fugitive dust emissions. Fixed and movable water sprinklers have been installed in raw material handling areas for effective dust suppression.
2.18	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.	Complied During the operational phase of the Captive Power Plant, an action plan has been implemented to monitor coke/coal dust exposure in different process areas using personal and area air samplers. The monitored results are being compared with permissible limits as per the Indian Factories Act, 1948, to ensure occupational health safety compliance.
2.19	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.	Complied The Project Proponent (PP) carrying out regular monitoring of coal dust at critical locations such as coal unloading areas, crushing units, and furnace sections. Monitoring is conducted using personal and area air samplers to assess respirable dust exposure levels. The results are evaluated against the permissible limits prescribed under the Factories Act, 1948, ensuring that: Respirable coal dust concentration is maintained within 2 mg/m³, and The respirable dust fraction contains less than 5% free silica (quartz).
S. No	EC Conditions	Compliance Status
3. Air Quality Monitoring and Preservation In Case of Di Pipe		

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3.1	Ductile Iron (DI) plant shall have the following provisions: a. Bag filter for Zn coating and Mg converter area. b. Wet scrubbers in paint and bitumen coating area. c. Bag Filter in Cement lining area. d. PTFE dipped bags shall be used in the plant. e. PM emissions from BF in Zinc coating area shall be 5 mg/Nm ³ . f. ETP with recycling facility shall be included.	Complied The Project Proponent (PP) has complied with the stipulated EC conditions for the Ductile Iron (DI) plant by implementing the following pollution control and environmental management measures: a. Bag Filters (Zn Coating & Mg Converter Area): High-efficiency bag filter systems have been installed in the zinc coating and magnesium converter sections to control particulate emissions at source. b. Wet Scrubbers (Paint & Bitumen Coating Area): Wet scrubbers have been provided in paint and bitumen coating areas to effectively remove gaseous pollutants, fumes, and volatile compounds generated during coating operations. c. Bag Filter (Cement Lining Area): A dedicated bag filter system has been installed in the cement lining section to capture fine particulate matter generated during lining operations. d. PTFE (Polytetrafluoroethylene) dipped filter bags are being used in bag filter systems to enhance filtration efficiency, chemical resistance, and durability under high-temperature and corrosive conditions. e. PM Emission Compliance (Zn Coating Area): The particulate matter emissions from the bag filter in the zinc coating area are being maintained within the stringent limit of 5 mg/Nm³, as per the EC condition. Regular stack monitoring confirms compliance.
4. Air Quality Monitoring and Preservation In Case of BOF		
4.1	Basic Oxygen Furnace (BOF) gas shall be cleaned dry.	Complied BOF gas generated during steelmaking is

Six Monthly Compliance Report on Environment Clearance Conditions

		routed through wet gas cleaning system currently and installation of dry gas cleaning system comprising equipment such as primary dust catchers, cyclones, and high-efficiency bag filters are under progress and same will be completed with six months.
4.2	Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six-monthly compliance report.	Complied The Induction Furnace (IF) stack is connected to the SPCB and CPCB online monitoring systems, and emissions are being continuously monitored on a regular basis. The monitoring data is being submitted as part of the six-monthly compliance reports to the concerned Regional Office of MoEF&CC. Induction furnace data Annexure - XV.
4.3	Low NOx Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.	Complied The Low NOx burners are installed.
5. Water Quality Monitoring and Preservation		
5.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate this system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	In progress Installation of 24x7 Continuous Effluent Monitoring System (CEMS) in compliance with the standards prescribed under the Environment (Protection) Rules, 1986 is under progress. The system will be installed and connected to SPCB and CPCB online servers as stipulated. Calibration of the system will be carried out periodically as per equipment supplier specifications through NABL accredited laboratories.
5.2	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at enough piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Complied Regular groundwater quality monitoring is being carried out twice a year (pre- and post-monsoon) through the established sampling wells/piezometers within the plant and adjacent areas, as per the approved schedule. The monitoring is conducted through NABL accredited laboratories in compliance with the stipulated condition. Ground water level Reports Enclosed as Annexure-XVI.

Six Monthly Compliance Report on Environment Clearance Conditions

5.3	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Complied Garland drains have been constructed around all raw material and product stockpiles (e.g., coal, ore, slag, etc.). Drains are designed considering peak rainfall intensity to effectively capture runoff.
5.4	Water meters shall be provided at the inlet to all unit processes in the steel plants.	Complied Water meters has been provided at the inlet to all unit processes in the steel plants. Photos enclosed as Annexure-XVII.
5.5	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Complied. Industrial wastewater is being discharged outside the plant. Process water is recycled/reused through recirculation systems to maintain Zero discharge.
5.6	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body	Complied. Industrial wastewater is not discharged outside the plant and is being fully recycled/reused through recirculation systems, ensuring zero liquid discharge. A 1000 KLD STP has been installed for treatment of domestic wastewater, and the ETP is currently under proposal and will be installed as per requirement.

S. No	EC Conditions	Compliance Status
5.7	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.	Complied The Project Proponent ensures that: Impervious Flooring: All stockyards (raw materials, coal, finished products, slag, etc.) are developed with impervious flooring (concrete/paved surface) to prevent seepage and soil contamination. Garland Drains & Catch Pits: Garland drains are constructed around stockyards to collect surface runoff during rainfall.

Six Monthly Compliance Report on Environment Clearance Conditions

5.8	Rainwater harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.	Complied Rainwater harvesting (RWH) structures have been installed as A reservoir is available for rainwater storage having a capacity of 80,000M3. 21 rainwater harvesting (RWH) recharge pits are installed within premises with a recharge capacity of 2,953 kl/annum; augmentation is planned.
5.9	Air Cooled condensers shall be used in the captive power plant.	Complied The captive power plant is an existing older unit and does not support Air Cooled Condensers (ACC) due to its design configuration. However, appropriate measures are in place to ensure efficient operation and compliance with applicable environmental norms.
S. No	EC Conditions	Compliance Status
6. Noise Monitoring and Prevention		
6.1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Complied Noise pollution monitoring is going as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, Proper Noise control measures (acoustic hoods, enclosures, silencers) are provided. NABL-certified monitoring indicates ambient and workplace noise within permissible limits. The reports are given as Annexure- XVIII.
6.2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Complied Noise pollution monitoring is going as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, Ambient noise levels within the plant premises and at the boundary are maintained within prescribed limits: NABL-certified monitoring indicates ambient and workplace noise within permissible limits. The reports are given as Annexure- XVIII.

Six Monthly Compliance Report on Environment Clearance Conditions

6.3	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948	Complied The Project Proponent confirms that: Periodic heat stress assessments are conducted in high-temperature zones such as furnaces, kilns, reheating areas, and boiler sections. Parameters such as WBGT (Wet Bulb Globe Temperature) are monitored to identify extreme hot areas. Workplace noise monitoring is conducted within process plants using calibrated sound level meters. Monitoring ensures that worker exposure does not exceed 90 dB(A) as per the Factories Act 1948 Test Report Enclosed as Annexure-XIX.
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7. Energy Conservation Measures

7.1	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.	Complied Torpedo ladles are being utilized for hot metal transfer between process units (e.g., blast furnace to steel melting shop) wherever feasible.
7.2	Restrict Gas flaring to < 1%.	Complied Current flaring is about 5-10%, for the comply with said condition we are proposing the WHRB for reduction of gas flaring to <1%.
7.3	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;	Noted and Agreed with the Condition Feasibility checks conducting for implementing solar panels, or solar light for traffic.
7.4	Provide LED lights in their offices and residential areas.	Complied LED lights have been installed in all office buildings, administrative areas, and residential colonies within the project premises.

8. Energy Conservation Measures In Case of Reheating Furnace

Six Monthly Compliance Report on Environment Clearance Conditions

8.1	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.	Complied Waste Heat Recovery Systems have been installed in reheating furnaces to recover heat from flue gases.
8.2	Practice hot charging of slabs and billets/blooms as far as possible.	Noted and Agreed with the Condition
8.3	Ensure installation of regenerative type burners on all reheating furnaces	Complied Regenerative type burners have been installed in all reheating furnaces as per EC condition.
9. Energy Conservation Measures In Case of Blast Furnace		
9.1	Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.	Complied A TRT system has been installed for recovery of pressure energy from blast furnace top gas. Waste heat from hot blast stoves is being recovered and utilized for preheating and other energy-efficient applications. Presently, the Wet Gas Cleaning Plant is operational, while commissioning of the Dry Gas Cleaning Plant is under progress and is expected to be completed within six months. A slag granulation system has also been provided for safe handling and utilization of molten slag.
S. No	EC Conditions	Compliance Status
10. Waste Management		
10.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.	Complied There are no oil cellars now. We will construct whenever required.
10.2	Kitchen waste shall be composted or converted to biogas for further use.	Complied Kitchen waste is being composted using a mechanical composting machine, and the compost generated is utilized as manure for gardening and greenbelt development works.
10.3	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard	Complied 100% utilization of fly ash is being ensured. The entire quantity of fly ash is being supplied to cement and brick manufacturers for further

Six Monthly Compliance Report on Environment Clearance Conditions

	shall be submitted to the Ministry's Regional Office.	utilization. Memorandums of Understanding (MoUs) in this regard have been executed and submitted to the Ministry's Regional Office.
10.4	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six-monthly compliance report being submitted by the project proponents.	Partially Complied The provisions of the Plastic Waste Management Rules, 2016 and the ban on identified Single Use Plastic (SUP) items have been effectively implemented within the project premises. Awareness programs and sensitization activities have been conducted among employees, contract workers, and nearby communities to ensure compliance with the Ministry's notification dated 12.08.2021. Necessary measures have been taken to discourage the use of SUP items within the project area, and compliance details along with photographs are included in the six-monthly compliance reports submitted to the concerned authorities.
10.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	Complied A proper action plan has been implemented for the collection, storage, and disposal of electronic waste generated from industry. The e-waste is being handed over only to authorized recyclers/disposers in compliance with applicable environmental regulations.
10.6	Solid waste utilization: a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime	Complied The Project Proponent confirms that: Slag Crusher Installation & Utilization: Slag crusher has been installed to process steel slag into value-added products. Processed slag

Six Monthly Compliance Report on Environment Clearance Conditions

	in cement making. b. PP shall recycle/reuse solid waste generated in the plant as far as possible. c. Used refractories shall be recycled as far as possible.	is utilized as: Aggregates in construction activities Fine material as flux within the steel plant Raw material in brick manufacturing Substitute for lime in cement manufacturing Solid Waste Recycling & Reuse: Various solid wastes such as slag, mill scale, dust, and sludge are recycled/reused within the plant or supplied to authorized end users. Internal reuse is maximized to reduce waste disposal.
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11. Waste Management In Case of Sinter Plant

11.1	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.	Noted Will be implemented as applicable.
11.2	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.	Partially Complied. Installation under progress.
11.3	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.	Complied Currently there is no SMS plant installed.
S. No	EC Conditions	Compliance Status

12. Green Belt

12.1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by trees.	Noted and Agreed with the Condition
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Six Monthly Compliance Report on Environment Clearance Conditions

12.2	Project proponent shall submit a study report on Decarbonization program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.	Noted and Agreed with the Condition
12.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	Complied Plantation and greenbelt development have been carried out within the plant premises and along internal roads. Major movement areas such as internal roads, raw material handling zones, and operational areas are paved (concrete). High traffic areas are fully developed to prevent dust generation. Measures such as slope stabilization, turfing, and plantation are implemented in vulnerable areas. Proper drainage systems are provided to prevent soil wash-off during rains.
13. Public Hearing And Human Health Issues		
13.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied A detailed Hazard Identification and Risk Assessment (HIRA) has been carried out covering all plant operations (e.g., furnaces, gas handling, storage areas, utilities). Potential hazards and associated risks have been identified and evaluated.
13.2	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per	Complied Heat stress assessment is conducted in high-temperature areas such as furnaces, kilns, reheating zones, and boiler sections.

Six Monthly Compliance Report on Environment Clearance Conditions

	the norms.	Parameters such as WBGT (Wet Bulb Globe Temperature) are measured to evaluate thermal exposure levels.
13.3	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures o be removed after the completion of the project. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Complied Project have provided housing for construction labour within the site premises and necessary infrastructure facilities also taken care. We have appointed medical officer for our existing employees on regular basis. For construction labour also we are extending doctor facility on their health requirements.
13.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Complied. Project following the requirements as stipulated in the factory act. • Pre-medical and annual medical examination tests have been conducted to all work force before & after the joining. • A full-fledged Occupational Health Centre with Medical Officer, Paramedical staffs, Ambulance and other necessary facilities have been developed.
14. Environment Management		
14.1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.	Complied The Project Proponent committed that: Compliance with OM dated 30.09.2020: CER activities will be implemented in accordance with the guidelines issued by Ministry of Environment Forest and Climate Change vide OM dated 30.09.2020. Budget allocation and activity planning are aligned with approved CER commitments.

Six Monthly Compliance Report on Environment Clearance Conditions

14.2	The company shall have a well-laid-down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Complied The company has established a well-structured Environmental Policy duly approved by the Board of Directors. The policy includes defined Standard Operating Procedures (SOPs), monitoring mechanisms, and proper checks and balances to ensure compliance with applicable environmental, forest, and wildlife norms and conditions. A structured reporting system has also been implemented for identification and reporting of any infringement, deviation, or violation to the concerned authorities, management, and stakeholders for timely corrective action. The copy of the Board Resolution and related policy documents are being maintained and shall be submitted to MoEF&CC as part of the six-monthly compliance report.
14.3	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization	Complied A separate Environmental Cell has been established at both the project site and company headquarters with qualified personnel under the supervision of senior executives. The Environmental Cell is directly reporting to the head of the organization.
14.4	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.	Complied Performance tests of all pollution control systems (e.g., ESPs, bag filters, scrubbers, ETP/STP, etc.) are conducted once every year,.

Six Monthly Compliance Report on Environment Clearance Conditions

S. No	EC Conditions	Compliance Status
15. Miscellaneous		
15.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied Publicly displayed at the entrance of the plant. Public notice published in THE HINDU (English) on 13.08.2025 and EENADU (Telugu) on 13.08.2025. In addition, displayed in companies' website. Copy enclosed as Annexure-XXI.
15.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied The copies of the Environment clearance were submitted to local panchayats and uploaded in JSAW website.
15.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis	Complied Compliance reports uploaded and submitted along with half-yearly reports; critical parameters (PM, SOx, NOx) monitored in company website.
15.4	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Complied The project proponent monitoring Pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a company main gate location for disclosure to the public and put on the website of the company. Photograph of display board given as annexure -XXIII.
15.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented	Complied Internal and connecting roads are designed considering traffic load in terms of Million

Six Monthly Compliance Report on Environment Clearance Conditions

		Standard Axles (MSA). Pavement design is carried out as per IRC guidelines to withstand heavy vehicular movement
15.6	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.	Complied Six-monthly EC compliance reports are prepared and submitted regularly for the periods, Compliance reports are uploaded on the MoEF&CC Environment Clearance (EC) Portal within stipulated timelines.
15.7	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Complied Environmental Statement (Form-V) is prepared annually for each financial year (April-March). Form-V is submitted to the APPCB within the prescribed timeline Copy enclosed as Annexure-XXII.
15.8	The project proponent 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, commencing the land development work and start of production operation by the project.	Complied The date of financial closure has been formally communicated to the Regional Office (RO) and MoEF&CC.
15.9	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitments made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Partially Complied Commitments made during the Public Hearing are duly addressed and incorporated into the project implementation plan.
15.10	The recommendations of the approved Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the Regional Office concerned of the MoEF&CC.	Partially Complied The project proponent has conducted a wildlife conservation study and submitted the study report to the Principal Chief Conservator of Forests & Chief wildlife warden (PCCF) and the Divisional Forest Officer (DFO) for their review and approval. Acknowledgement copies of the submissions are enclosed as Annexure-IV.

Six Monthly Compliance Report on Environment Clearance Conditions

15.11	The PP shall put all the environment related expenditure; expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left-over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.	Complied Details of environment-related expenditure, Action Plan on Public Hearing issues, and commitments made in the EIA/EMP Report are being uploaded on the company website for public information. Information regarding the utilization of balance funds allocated towards EMP and PH commitments is also being maintained and disclosed in the public domain as stipulated.
15.12	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).	Complied The project is being operated strictly within the scope and capacity approved under the Environmental Clearance. No expansion, modernization, or process modification has been undertaken without prior approval.
15.13	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Complied Noted and abide by said condition.
15.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted and abide by said condition.
15.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions	Complied Noted and abide by said condition.
15.16	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Complied Noted and abide by said condition.

Six Monthly Compliance Report on Environment Clearance Conditions

15.17	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted and abide by said condition.
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JINDAL SAW LTD
AP01, HARESAMUDRAM
WATER CONSUMPTION

HAGARI WATER FLOW METER READING Oct 25 - Mar 26		
S.No	Month	Consumption(m3/Day)
1	Oct-25	2316.7
2	Nov-25	2332.0
3	Dec-25	2305.1
4	Jan-26	2338.4
5	Feb-26	2316.4
6	Mar-26	2404.8

JINDAL SAW LTD
AP01, HARESAMUDRAM

JINDAL SAW LTD,		
Plantation Oct 25 to Mar 26		
S.No	Month	Quantity, No's
1	Oct-25	883
2	Nov-25	812
3	Dec-25	1939
4	Jan-26	676
5	Feb-26	676
6	Mar-26	190
Total		5176

JINDAL SAW LTD
AP01, HARESAMUDRAM
PLANTATION







Nov 15, 2025 4:32:21 PM
15°0'12.66941"N 76°59'43.69888"E
Haresamudram
Andhra Pradesh



TEST REPORT – ALPL/GNT/7.8/03

Test Report No	ALPL/GNT/JSL/Soil/25/12/1208	Test Report Issue Date		24.12.2025
Discipline	Chemical	Group	Soil	Sub Group
				Soil Sample

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village Bommanahal Mandal, Anantapuram District Post Office Bommanahal Andhra Pradesh 515871 India	Sample Code No.	ALPL/JSL/Soil /25/12/145
Location of Testing	AKUN LABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 27 °C Humidity: 52 %

Sample Description	Soil Sample
Location of the Sampling	Near Main Gate-1
Sample Quantity	2 kg
Condition During Receipt	Good
Sample Collection date	17.12.2025
Sample Received on	18.12.2025
Analysis Started on	18.12.2025
Analysis Completed on	24.12.2025

S. No	Parameter	Method	Unit	Result
1	p ^H	IS 2720 Part 26: 2021	--	8.01
2	Electrical Conductivity	IS 14767: 2021	μhom/cm	625.8
3	Moisture Content	IS 2720 Part 2: 2021	%	2.98
4	Bulk Density	IS 2720 Part 29: 1975	g/cc	1.39
5	Nitrogen as N	IS 14684: 2019	mg/kg	110
6	Total Organic Carbon	IS 2720 Part 22: 2020	%	0.58
7	Sodium as Na	IS 9497: 2024 Department of Agriculture & Cooperation Ministry of Agriculture, Government of India: 2011	mg/kg	620
8	Potassium as K		mg/kg	124
9	Available phosphorus as P		mg/kg	6.52
10	Calcium as Ca		mg/kg	820
11	Magnesium as Mg		mg/kg	524

Test Report No : ALPL/GNT/ATL/Soil/25/12/1208

S. No	Parameter	Method	Unit	Result
12	Copper as Cu	USEPA:30508 (Acid Digestion) &70008 AAS: 2007	mg/kg	7.05
13	Zink as Zn		mg/kg	8.31
14	Nickel as Ni		mg/kg	6.44
15	Chromium as Cr		mg/kg	2.30
16	Lead as Pb		mg/kg	1.59
17	Cadmium as Cd		mg/kg	3.29
18	SAR	By Calculation Method	---	12.9
19	Type of Soil	---	---	Clay Loam
	Sand	Hydrometer Method	%	26.8
	Silt		%	35.3
	Clay		%	37.9

Note: Test Method Followed by the laboratory is given below

1. IS 2780
2. Department of Agriculture & Cooperation Ministry of Agriculture, Government of India: 2011
3. International Center for agriculture Research in the Dry Areas.

Disclaimer:

The above results are related to the item tested only.

The Results in the test report shall not be reproduced except in full, without approval of the laboratory.

The sample related information is provided by the customer only.

Prepared by



M. Sairam
Sr. Chemist

Reviewed & Authorized by



P. Sekhar Babu
Technical Manager

END OF REPORT

Lr No: JSAW/ENV/FOW/LCP/2024-25/1

Date: 18.01.2025

To,
The Principle Chief Conservator Forest & Chief Wildlife Warden,
Aranya Bhavan,
Mangalagiri,
Andhra Pradesh.

Subject: Submission of Request letter for Wildlife Conservation Action Plan and Budget for the Modernisation-cum-expansion of existing Production of Pig Iron / Hot Metal from 0.25 to 0.45 MTPA, DI Pipe from 0.19 to 0.45 MTPA, DI Pipe Fitting 30,000 TPA, Sinter from 0.2988 to 0.55 MTPA & CPP from 26.43 to 60 MW by installation of a new CPP of 30MW capacity, by M/s Jindal Saw Limited, located at Village - Haresamudram, Mandal - Bommanahal, District Ananthapur, Andhra Pradesh

Ref.: 1. ToR Letter vide **File No:** IA-J-11011/125/2010-IA-II(IND-I) Dated: 02/08/2024
2. Authentication of List of Flora and Fauna in 10 km radius (Core & Buffer zone) of Proposed Plant

Dear Sir,

With reference to the aforesaid subject and reference matter, we would like to apprise you that M/s Jindal Saw Limited has applied for EC for the above said project at MOEF&CC, New Delhi and Terms of Reference has been issued vide MOEFCC vide **File No:** IA-J-11011/125/2010-IA-II(IND-I) dated 02nd August 2024) (**cited 1**).

As per the Specific ToR condition 4.2.4 & Additional study Point 9 (Additional study 12.15) "Wildlife Conservation Plan duly authenticated by the Competent Authority of the State Government for conservation of Schedule I fauna along with budget and action plan, if any exists in the study area" & "Wildlife conservation plan (In case of presence of schedule I species)." Accordingly, we have enclosed (**cited 2**) the List of Flora and Fauna (Based on Primary Survey & Secondary data).

We sincerely request your good self to kindly instruct the concerned department to process this further in line with the specified Terms of Reference (ToR) for the Wildlife Conservation Plan.

Thanking You

Yours Faithfully
For Jindal Saw Limited


Authorized Signatory
Encls. As above



ANNEXURE-V

Corporate Responsibility for Environmental Protection **(CREP)**

Under the Corporate Responsibility for Environmental Protection (CREP) charter, Jindal SAW Limited at Haresamudram (V), Bommanhal (M), Anantapur (Dt) is committed to adopt of clean technologies and continual improvement in management practice, to conserve the natural resources and improve surrounding environment.

Status of conditions mentioned in the charter are as follows:

S.No	Conditions	Compliance	Remarks
1	Coke Oven Plants - To meet the parameters PLD (% leaking colors), PLL (% leaking lids), PLO (% leaking off take), of the notified standards under EPA within three years by December 2005). Industry will submit time bound action plan and PER Chart along with the Bank Guarantee for the implementation or the time. - To rebuild at least 40% of the coke oven batteries in next 10 years (by December 2012.).	Not Applicable	No Coke Ovens in the project
2	Steel Melting Shop Fugitive emissions - To reduce 30% by March 2004 and 100% by March 2008 (including installation of secondary de-dusting facilities).	Not Applicable	No Steel Melting Shop in the project
3	Blast Furnace Direct inject of reducing Agent – By Sep-2013	Direct injection system of reducing agent [Pulverized Coal Injection (PCI) System] in BF is envisaged in the modernization-cum-expansion project and will be undertaken after obtaining Environment Clearance from MoEFCC.	The project has been acquired by JSW in 2022 from NCLT, before which the project was under shut down since previous five years. JSL has restarted the project in Nov. 2022 and now envisages modernization-cum-expansion plan.
4	Solid waste / Hazardous Waste Management : - Utilization of steel melting shop (SMS) / Blast furnace (BF) Slag as per the following schedule) : - By 2004 – 70% - By 2006 – 80% and - By 2007 – 100%	- No SMS Slag generated. 100% of the Blast Furnace slag is being sold to the cement manufacturers.	- There is no SMS in the project. - Only Blast Furnace slag is generated – Complied.

	- Hazardous Wastes : - Charge of tar sludge / ETP sludge to coke oven by June 2003. - Inventorization of Hazardous Waste as per Hazardous Waste (M&H) Rules, 1989 as amended in 2000 and implementation of the rules by Dec 2003 (tar sludge, acid sludge, waste lubricating oil and type fuel falls in the category of Hazardous Waste.	- No Tar Sludge generation from the project. - Other Hazardous wastes generated from the project have been inventorised and after due permission from APPCB are being disposed / sent to authorized handlers.	- No Coke Oven in the project: Not Applicable. - Complied
5	Water conservation / Water pollution To reduce specific water consumption to 5m³/t for long product and 8m³/t for flat products by December 2005. —	100% wastewater from process is being recycled / re-used in the plant process of Blast Furness, Sinter, DISP & Power Plant. - The project maintains Zero discharge status.	- The project has Blast furnace facility, producing Hot Metal which is converted in to Ductile Iron Pipes. - As such Long & Flat product are not produced.
	To operate the Co-BP effluent treatment plant efficiently to achieve the notified effluent discharge standards. by June 2003.	Not Applicable	Coke Oven & Bi-Product Plant (COBP) not present in plant.
6	Installations of Continuous stack monitoring system & its calibration in major stacks and setting up of the online ambient air quality monitoring stations by June 2005.	Complied	- Continuous Emission Monitoring Systems (CEMS) installed at all process stack, viz. Thermal Power Plant, BF, Sinter Plant. - Power Plant - Sinter Plant Furnace & cooler - Blast Furnace Stoves - Annealing Furnace - Air Quality Monitoring Station (AQMS)— three in numbers at - Near WTP (Eastern Side). - Plant Main Gate No.2 (North Side) - Block B (Western Side).

7	To operate the existing pollution control equipment efficiently and to keep proper record of run hours, failure time and efficiency with immediate effect. Compliance report in this regard be submitted to CPCB/SPCB every three months.	Complied	All pollution control equipment's are being monitored every month and report is submitted to APPCB. The results are found well within the specified limit.
8	To implement the recommendations of Life Cycle Assessment (LCA) study sponsored by MoEF by December 2003.	Noted	All major / feasible recommendations implemented.
9	The industry will initiate the steps to adopt the following clean technologies / measure to enhance the performance of industry towards production, energy and environment.	Noted	• The project was under shut down for five years since July 2017 to October 2022. In 2022 JSL has taken over the project through National Company Law Tribunal (NCLT) and started its operation in November 2022. • Now JSL envisages Modernization-cum-expansion of the project and implement clean technologies / measures to enhance the performance of industry towards production, energy efficiency and environment like Dry De-dusting System (DDS), Pulverized Coal Injection (PCI) System)etc.after nvironmental Clearance (EC) from MoEFCC.
	Energy recovery to top Blast Furnace (BF) gases.	Envisaged under the modernization and expansion program.	BF gas is being utilized in stoves of Blast Furnace, Annealing Furnace, Sinter Plant and other Units as a fuel.
	Use of tar free runner lining, De-dusting of cast house at tap holes, runners, skimmers ladle and charging points.	Tar free runners is being used in BF	-
	Suppression of fugitive emissions using nitrogen or other inert gas.	Not applicable for the present project.	For fugitive emission control the project has installed the following de-dusting methods in the project, viz. • De-Dusting System (Bag Filter) at Sinter Screen Area. • Dust Extraction (Bag Filter) in Sinter Plant Proportionate Building Area. • Dust Extraction (Bag Filter) in

			Sinter Breaker Area. • Water Sprinkler in Sinter Yard. • Raw material conveyors to Sinter Plant and Blast Furnace are covered. • DE System (Bag Filter) for Blast Furnace Stock House Screen Area. • Dust Extraction system with bag filters for Induction Furnace. • Dust Extraction system with bag filters for Annealing Furnace. • Dust Extraction system with bag filters for Zinc Coating Area. • Water Sprinkling on Plant Roads. • Water Sprinklers in Raw Material Yard. • Greenbelt / green cover has been planted within and all around the plant at strategic location to control fugitive emissions.
	To study the possibility of slag and fly ash transportation back to abandoned mines, to fill up the cavities through empty railway wagons while they return back to the mines and its implementation.	Complied	Fly ash and Granulated Blast Furness Slag is being 100% sold to cement manufacturers.
	Processing of the waste containing flux & ferrous wastes through waste recycling plant.	Complied	All fines generated from iron ore, coke, lime stone, dolomite & quartzite, captured dust of de-dusting system etc are being collected and utilized in sinter plant for sinter production.
	To implement rain water harvesting.	Complied	Rain water harvesting is through rain water harvesting pond. The system will be further strengthened in the up-coming modernization-cum-expansion plan.
	Reduction Green House Gases by :		
	- Reduction in power consumption.	Energy audit will be conducted and the recommendations to reduce power consumption	• LED bulbs installed to save electricity along with tube light. • Incorporation of automatic

		will be implemented.	timing control mechanism in street lighting to save energy. Mechanism involving staggering of on-off sequence of street lights. • Designing of building structures with proper ventilation and natural light. • Energy efficient mechanical systems: The energy efficiency of transformer and motors as per Indian Standard (IS 2026 for transformers and IS 12615 for motors).
	- Use of by products gases for power generation.	100% of the BF gas is utilized in the project.	The project utilizes 100% BF gas in Sinter Plant. Annealing Furnace, BF stoves, etc. as fuel.
	- Promotion of Energy Optimisation technology including energy / audit.	• Envisaged under modernization-cum- expansion plan. • Energy audit will be conducted and the recommendations to reduce power consumption will be implemented.	
	- To set targets for Resource Conservation such as Raw material, energy and water consumption to match International Standards.	• ISO 14000 Environment Management Standards will be adopted / implemented in the modernization-cum- expansion project for continual improvement / reduction in Raw material, energy and water consumption to match International Standards.	• Presently, all blast furnace undersized raw material / reject is being used in the sinter plant. • Under the proposed Renovation / Modernisation-cum-expansion project the following resource conservation measures will be adopted: ○ Gas Cleaning Plant (GCP): The wet gas cleaning system will be replaced by Dry De-dusting system (DDS) vide which about 200m³/day of water will be conserved. ○ In BF, Pulverized Coal Injection (PCI) System will be installed to save coke consumption. ○

	- Up- gradation in the monitoring and analysis facilities for air and water pollution. Also to impart elaborate training to the manpower so that realistic data is obtained in the environmental monitoring laboratories.	• Will be adopted under modernization-cum- expansion project.	
	- To improve overall housekeeping	House keeping of the project is consistently being improved since handover from NCLT in 2022.	

JINDAL SAW LTD
AP01, HARESAMUDRAM

LABOUR HOUSING FACILITY



Test Report

Issued To:

M/s. Jindal Saw Limited
Survey.no: 42 to 49, Haresamudram Village,
Bommanahal Mandal, Post Office
Bommanahal
Ananthapur -515871
Andhra Pradesh,IND
Ph: Mob:8121040207

Registration/Report Number: VLL/VLS/25/00466/001

Issue Date: 2025-04-17

Your Ref:

and Date: 2025-04-07

LIMS Report No.: 638409-B



Page 1 of 2

Kind Attn:Mr. Jagadeesha J

Customer Provided Details :

Sample Name:	Coal Analysis
Manufacturer:	NA
Batch/Lot Number:	NA
Mfg. Date:	NA
Exp. Date:	NA
Source:	NA
Test Required:	Analysis of Heavy Metals
Other Details if Any:	NA

Lab Provided Details :

Quantity Received:	1 packet X 1 No
Sample Received Date:	2025-04-04
Sample Registration Date:	2025-04-08
Analysis Starting Date:	2025-04-09
Analysis Completion Date:	2025-04-17
Sampling Details:	SAMPLE TESTED AS RECEIVED
Other Details if Any:	NA



Scan the QR
code to check
the report
authenticity

Name and Designation of Authorized Signatory


Lavanya Bende
Senior Scientist

Note : This report is subject to the terms and conditions mentioned at the end of the report.

Vimta Labs Ltd., Life Sciences Campus, Plot No. 5, MN Park (Formerly Alexandria Knowledge Park),
Genome Valley, Shamirpet, Medchal - Malkajgiri - 500 101, Hyderabad, Telangana, India. Phone : +91-40-6740 4040

Issued To:

M/s. Jindal Saw Limited
Survey.no: 42 to 49, Haresamudram Village,
Bommanahal Mandal, Post Office
Bommanahal
Ananthapur -515871
Andhra Pradesh,IND
Ph: Mob:8121040207

Registration/Report Number: VLL/VLS/25/00466/001

Issue Date: 2025-04-17

Your Ref:

and Date: 2025-04-07

Lab Ref No.: 2010210

LIMS Report No.: 638409-B



Page 2 of 2

Kind Attn:Mr. Jagadeesha J

TEST RESULTS

S. No.	Test Parameters	Method	UOM	Results
1	Arsenic as As	USEPA 3050B-1996	mg/kg	1.02
2	Mercury as Hg	USEPA 3050B-1996	mg/kg	0.43
3	Selenium as Se	USEPA 3050B-1996	mg/kg	0.72
4	Lead as Pb	USEPA 3050B-1996	mg/kg	0.90
5	Copper as Cu	USEPA 3050B-1996	mg/kg	1.19
6	Chromium as Cr	USEPA 3050B-1996	mg/kg	9.58
7	Zinc as Zn	USEPA 3050B-1996	mg/kg	6.68
8	Cobalt as Co	USEPA 3050B-1996	mg/kg	0.72
9	Manganese as Mn	USEPA 3050B-1996	mg/kg	84.58

Results relate only to the sample tested.

Remarks:

- END OF THE REPORT -



Scan the QR
code to check
the report
authenticity

Name and Designation of Authorized Signatory

Lavanya Bende
Lavanya Bende
Senior Scientist

Note : This report is subject to the terms and conditions mentioned at the end of the report.

Vimta Labs Ltd., Life Sciences Campus, Plot No. 5, MN Park (Formerly Alexandria Knowledge Park),
Genome Valley, Shamirpet, Medchal - Malkajgiri - 500 101, Hyderabad, Telangana, India. Phone : +91-40-6740 4040

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ISSUED TO:

M/s. Jindal Saw Limited
Survey.no: 42 to 49, Haresamudram Village,
Bommanahal Mandal, Post Office Bommanahal
Ananthapur -515871, Andhra Pradesh, IND
Ph: Mob:8121040207

Report Number : VLL/VLS/25/00466/001
Issue Date : 2025.05.14
P.O. Ref : 4228002256
P.O. Date : 2025.03.29

Page 1 of 1

Sample Name		Coal			
Sample Received Date	:	2025.04.18	Sample Registration Date	:	2025.04.22
Sample Start Date	:	2025.04.22	Analysis Completion Date	:	2025.05.13
Sample Quantity: 1680 g					
Test Parameters	:	^{232}Th , ^{238}U & ^{40}K			
Samples Collected by Vimta Labs Limited.					

TEST RESULTS

S.No.	Test Parameters	Method of Testing	UoM	Results
1	^{232}Th	BARC/2008/E/023	Bq./Kg	BDL
2	^{238}U	BARC/2008/E/023	Bq./Kg	BDL
3	^{40}K	BARC/2008/E/023	Bq./Kg	BDL

Remarks: Results relate only to the sample tested

BDL-Below detection Limit

BDL for ^{232}Th is 21.286 Bq./Kg, ^{238}U is 11.564 Bq./Kg, ^{40}K is 22.741 Bq./Kg.

Name and Designation of Authorized Signatory

B. Lavanya

Lavanya Bende
Sr.Scientist-Environment

VIMTA LABS LTD.

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Vimta Labs Limited

Registered Office
142, IDA Phase II, Cherlapally
Hyderabad-500 051, Telangana, India
T : +91 40 2726 4141
F : +91 40 2726 3657

ISSUED TO:

M/s. Jindal Saw Limited
Survey.no: 42 to 49, Haresamudram Village,
Bommanahal Mandal, Post Office Bommanahal
Ananthapur -515871, Andhra Pradesh, IND
Ph: Mob:8121040207

Report Number : VLL/VLS/25/00466/001
Issue Date : 2025.06.10
P.O. Ref : 4228002256
P.O. Date : 2025.03.29

Page 1 of 1

Sample Name		Coal
Sample Received Date	:	2025.04.18
Sample Start Date	:	2025.04.22
Sample Quantity: 1680 g		
Test Parameters	:	^{232}Th , ^{238}U , ^{40}K , ^{222}Rn and ^{226}Ra
Samples Collected by Vimta Labs Limited.		

TEST RESULTS

S.No.	Test Parameters	Method of Testing	UoM	Results
1	^{232}Th	BARC/2008/E/023	Bq. /Kg	BDL
2	^{238}U	BARC/2008/E/023	Bq. /Kg	BDL
3	^{40}K	BARC/2008/E/023	Bq. /Kg	BDL
4	^{222}Rn	BARC/2008/E/023	Bq. /Kg	BDL
5	^{226}Ra	BARC/2008/E/023	Bq. /Kg	BDL

Remarks: Results relate only to the sample tested

BDL-Below detection Limit

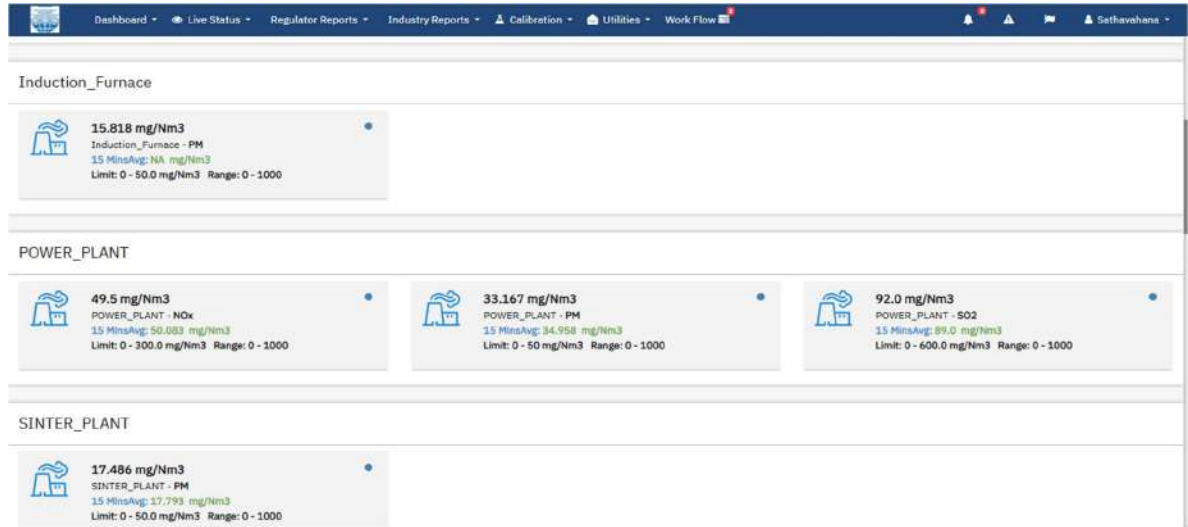
BDL for ^{232}Th is 21.286 Bq./Kg, ^{238}U is 11.564 Bq./Kg, ^{40}K is 22.741 Bq./Kg, ^{222}Rn is 20.181 Bq./Kg and ^{226}Ra is 15.314 Bq./Kg

Name and Designation of Authorized Signatory



Dr. Subba Reddy
Manager -Environment

CEMS INSTALLATION



Sinter Plant



Power Plant



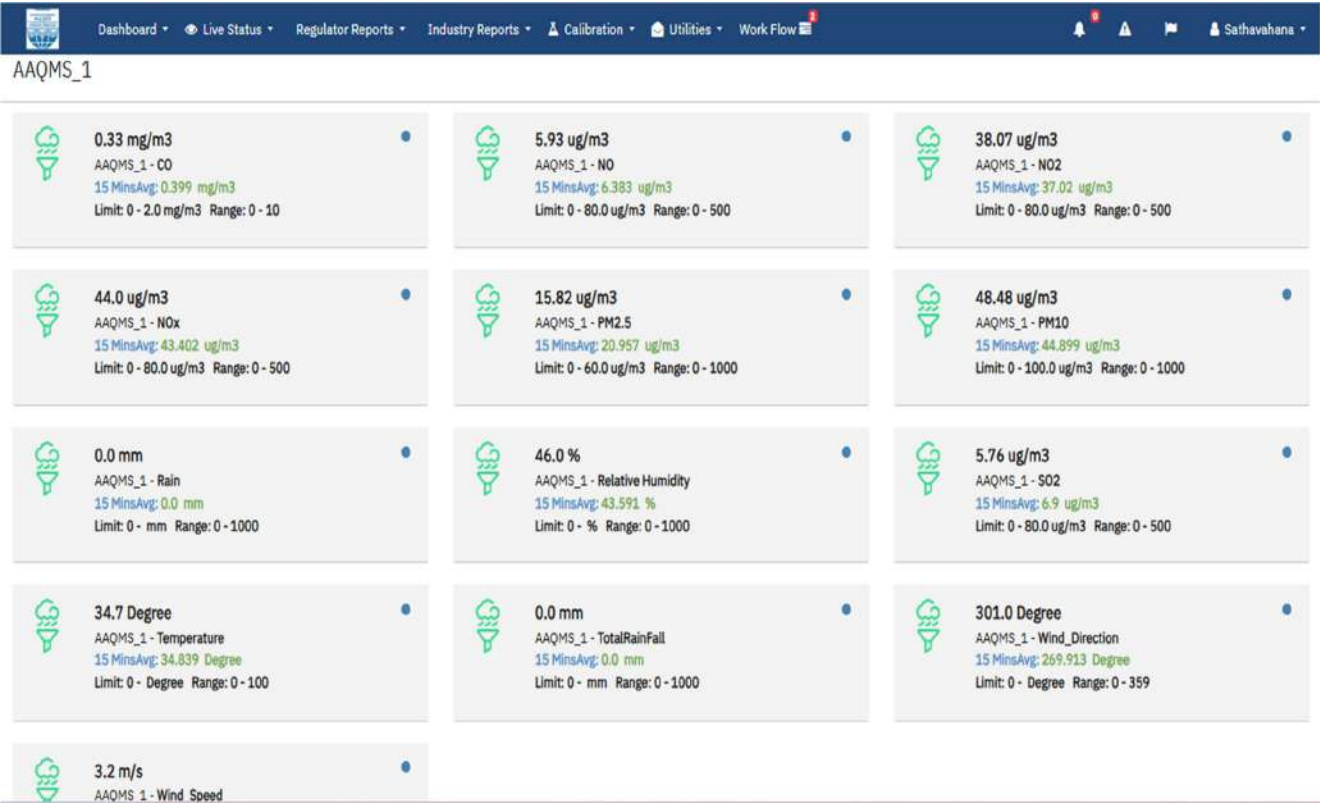
Induction Furnace



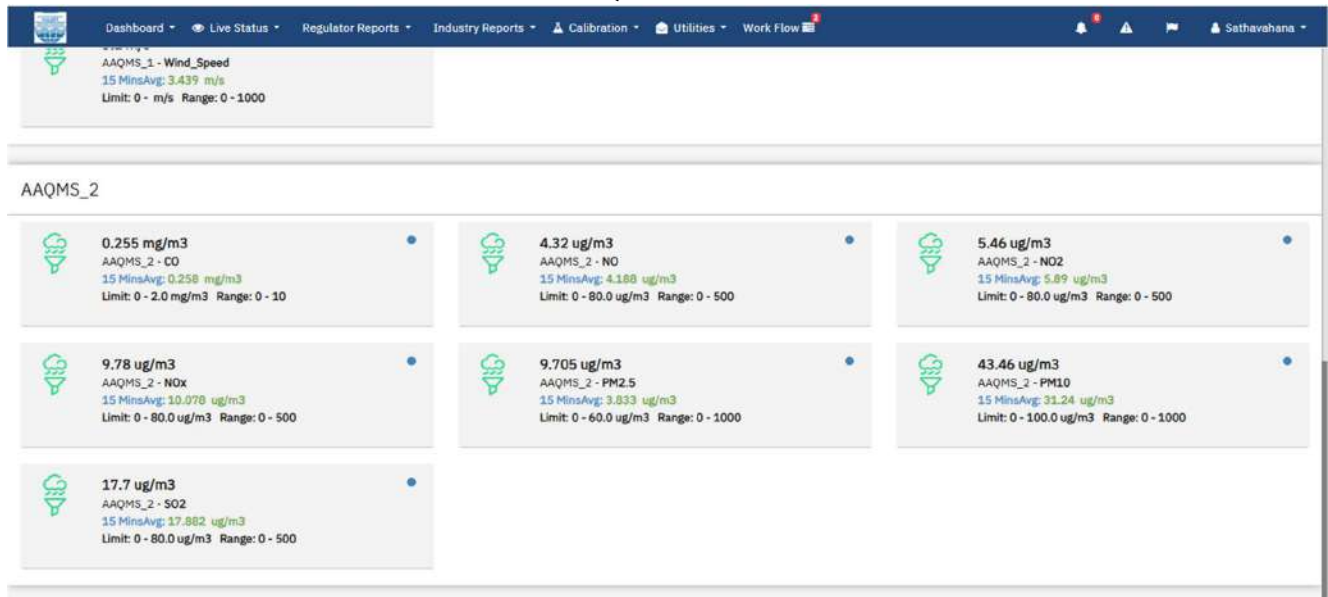
Annealing Furnace

Continuous Ambient Air Quality Monitoring Stations

AAQ Station – 1



AAQ Station – 2



Lr.No: JSAW/ENV/APPCB/BMW/2026-27/002

Date: 04.05.2026

To,
The Environmental Engineer,
Andhra Pradesh Pollution Control Board,
Regional Office, Ananthapuramu,
Andhra Pradesh.

Dear Sir,

Sub: Submission of Environmental Monitoring Reports – Reg,

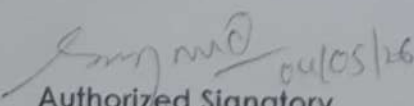
With Reference to the above subject, we are submitting the quarterly Environmental Monitoring Reports for the Month of **March 2026** in respect of our unit **M/s. Jindal SAW Limited**, Sy.No.41 to 49, Haresamudram (V), Bommanahal (M), Ananthapuramu (Dist.), Andhra Pradesh.

Kindly acknowledge the receipt of the same.

Thanking You,

Your Faithfully,

For **Jindal Saw Limited**


Authorized Signatory





TC-15658

AKUNLABORATORIES PVT.LTD

(ENVIRONMENTAL MONITORING, TESTING & SERVICES)



(ENVIRONMENTAL TESTING LABORATORY)

TESTREPORT

Test Report No	ALPL/GNT/JSL/AAQ/26/03/1289/A	Test Report Issue Date		21.03.2026
Discipline	Chemical	Group	Pollution & Environment	Sub Group Atmospheric Pollution

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal, Andhra Pradesh 515871 India.	Sample Code No:	ALPL/GNT/JSL/AAQ/26/03/984
Sample Drawn by	AKUNLABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 26°C Humidity: 50 %

Sample Description	Ambient Air Quality
Location of the Sampling	Near Main Gate
Total Sampling Duration	24 hr.
Sample Condition During Receipt	Good
Date of Monitoring	12.03.2026-13.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026
Sampling Procedure	ALPL/GNT/CH/SOP/AP/AAQ/02

S. No	Name of the Parameter	Shift Wise Results			Results in Avg.	NAAQS Limits	Test Method
		1	2	3			
01	Particulate Matter (<10µm) or PM10 (µg/m ³)	73.6	72.4	69.6	71.9	100	IS 5182: Part 23: 2006
02	Particulate Matter (<2.5µm) or PM2.5(µg/m ³)	33.6	32.1	25.4	30.4	60	IS 5182: Part 24: 2019
03	Sulphur dioxide as SO ₂ in µg/m ³	18.1	21.6	18.6	19.4	80	IS 5182: Part 2/Sec1: 2023
04	Nitrogen dioxide as NO _x in µg/m ³	22.1	22.8	20.8	21.9	80	IS 5182: Part-6 (2006)
05	Ozone (O ₃) in µg/m ³	26.9	30.6	27.4	28.3	180 (1hr)	IS 5182: Part-IX (1974)
06	Ammonia (NH ₃) in µg/m ³	34.1	40.5	28.1	34.2	400	IS 5182: Part 25: 2018

Instrument Details:

Respirable Dust Sampler (RDS)	Fine Particulate Sampler (PM 2.5)
Make: Enviro Instruments, Model: EI 142 NL, Serial Number: 119-K-19, Date of Calibration: 01.08.2025 and Due Date of Calibration: 31.07.2026	Make: Enviro Instruments, Model: EI 133, Serial Number: 201-H-21, Date of Calibration: 02.08.2025 and Due Date of Calibration: 01.08.2026

Disclaimer:

- The above results are related to the item tested only.
- The Results in the test report shall not be reproduced except in full, without approval of the laboratory.

Prepared by

P. Sekhar Babu
Sr. Chemist

Reviewed & Authorized by

M. Sairam
Technical Manager



END OF REPORT

2nd Floor, 18-12/1, Vengalayapalem, Guntur, Guntur District, Andhra Pradesh-522005

Cell: +91 70957 34733, +91 79897 30062, E-mail : info@akunlaboratories.com, Website : akunlaboratories.com



AKUNLABORATORIES PVT.LTD

(ENVIRONMENTAL MONITORING, TESTING & SERVICES)

NABL Accreditation Laboratory Vide Certificate No. TC-15658



TESTREPORT

Test Report No	ALPL/GNT/JSL/AAQ/26/03/1292/A	Test Report Issue Date			21.03.2026
Discipline	Chemical	Group	Pollution & Environment	Sub Group	Atmospheric Pollution

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal, Andhra Pradesh 515871 India.	Sample Code No:	ALPL/GNT/JSL/A AQ/26/03/987
Sample Drawn by	AKUNLABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 26°C Humidity: 50 %

Sample Description	Ambient Air Quality
Location of the Sampling	Kuravalli Village
Total Sampling Duration	24 hr.
Sample Condition During Receipt	Good
Date of Monitoring	13.03.2026-14.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026
Sampling Plan	ALPL/GNT/CH/SOP/AP/AAQ/02

S. No	Name of the Parameter	Shift Wise Results			Results in Avg.	NAAQS Limits	Test Method
	Shift	1	2	3			
01	Particulate Matter (<10µm) or PM10 (µg/m³)	67.8	73.4	67.1	69.4	100	IS 5182: Part 23: 2006
02	Particulate Matter (<2.5µm) or PM2.5(µg/m³)	26.3	32.5	30.6	29.8	60	IS 5182: Part 24: 2019
03	Sulphur dioxide as SO ₂ in µg/m³	21.5	25.4	24.5	23.8	80	IS 5182: Part 2/Sec1: 2023
04	Nitrogen dioxide as NO _x in µg/m³	23.6	26.9	22.9	24.5	80	IS 5182: Part-6 (2006)
05	Ozone (O ₃) in µg/m³	33.5	33.9	30.6	32.7	180 (1hr)	IS 5182: Part-IX (1974)
06	Ammonia (NH ₃) in µg/m³	31.8	37.5	33.6	34.3	400	IS 5182: Part 25: 2018

Instrument Details:

Respirable Dust Sampler (RDS)	Fine Particulate Sampler (PM 2.5)
Make: Enviro Instruments, Model: EI 142 NL, Serial Number:119-K-19, Date of Calibration:01.08.2025 and Due Date of Calibration: 31.07.2026	Make: Enviro Instruments, Model: EI 133, Serial Number:201-H-21, Date of Calibration:02.08.2025 and Due Date of Calibration: 01.08.2026

Disclaimer:

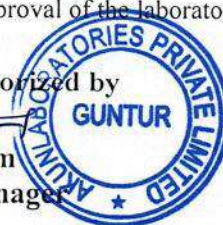
- The above results are related to the item tested only.
- The Results in the test report shall not be reproduced except in full, without approval of the laboratory.

Prepared by

P. Sekhar Babu
 Sr. Chemist

Reviewed & Authorized by

M. Sairam
 Technical Manager



END OF REPORT



AKUNLABORATORIES PVT.LTD

(ENVIRONMENTAL MONITORING, TESTING & SERVICES)

NABL Accreditation Laboratory Vide Certificate No. TC-15658



TESTREPORT

Test Report No	ALPL/GNT/JSL/AAQ/26/03/1293/A	Test Report Issue Date			21.03.2026
Discipline	Chemical	Group	Pollution & Environment	Sub Group	Atmospheric Pollution

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal, Andhra Pradesh 515871 India.	Sample Code No:	ALPL/GNT/JSL/AAQ/26/03/988
Sample Drawn by	AKUNLABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 26°C Humidity: 50 %

Sample Description	Ambient Air Quality
Location of the Sampling	Haresamudram Village
Total Sampling Duration	24 hr.
Sample Condition During Receipt	Good
Date of Monitoring	13.03.2026-14.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026
Sampling Plan	ALPL/GNT/CH/SOP/AP/AAQ/02

S. No	Name of the Parameter	Shift Wise Results			Results in Avg.	NAAQS Limits	Test Method
	Shift	1	2	3			
01	Particulate Matter (<10µm) or PM10 (µg/m ³)	43.6	46.9	38.5	43.0	100	IS 5182: Part 23: 2006
02	Particulate Matter (<2.5µm) or PM2.5(µg/m ³)	23.5	24.8	23.6	24.0	60	IS 5182: Part 24: 2019
03	Sulphur dioxide as SO ₂ in µg/m ³	13.6	13.9	14.2	13.9	80	IS 5182: Part 2/Sec1: 2023
04	Nitrogen dioxide as NO _x in µg/m ³	15.9	16.5	17.8	16.7	80	IS 5182: Part-6 (2006)
05	Ozone (O ₃) in µg/m ³	18.5	18.9	18.9	18.8	180 (1hr)	IS 5182: Part-IX (1974)
06	Ammonia (NH ₃) in µg/m ³	24.1	25.8	26.2	25.4	400	IS 5182: Part 25: 2018

Instrument Details:

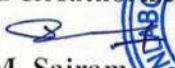
Respirable Dust Sampler (RDS)	Fine Particulate Sampler (PM 2.5)
Make: Enviro Instruments, Model: EI 142 NL, Serial Number:119-K-19, Date of Calibration:01.08.2025 and Due Date of Calibration: 31.07.2026	Make: Enviro Instruments, Model: EI 133, Serial Number:201-H-21, Date of Calibration:02.08.2025 and Due Date of Calibration: 01.08.2026

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Prepared by

P. Sekhar Babu
 Sr. Chemist

Reviewed & Authorized by

M. Sairam
 Technical Manager

END OF REPORT



2nd Floor, 18-12/1, Vengalayapalem, Guntur, Guntur District, Andhra Pradesh-522005

Cell: +91 70957 34733, +91 79897 30062, E-mail : info@akunlaboratories.com, Website : akunlaboratories.com



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TESTREPORT

Test Report No	ALPL/GNT/JSL/AAQ/26/03/1294/A	Test Report Issue Date		21.03.2026
Discipline	Chemical	Group	Pollution & Environment	Sub Group Atmospheric Pollution

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal, Andhra Pradesh 515871 India.	Sample Code No:	ALPL/GNT/JSL/AAQ/26/03/989
Sample Drawn by	AKUNLABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 26°C Humidity: 50 %

Sample Description	Ambient Air Quality
Location of the Sampling	Bommanahal Village
Total Sampling Duration	24 hr.
Sample Condition During Receipt	Good
Date of Monitoring	13.03.2026-14.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026
Sampling Plan	ALPL/GNT/CH/SOP/AP/AAQ/02

S. No	Name of the Parameter	Shift Wise Results			Result s in Avg.	NAAQS Limits	Test Method
	Shift	1	2	3			
01	Particulate Matter (<10µm) or PM10 (µg/m ³)	73.6	75.4	72.6	73.9	100	IS 5182: Part 23: 2006
02	Particulate Matter (<2.5µm) or PM2.5(µg/m ³)	27.9	33.5	26.9	29.4	60	IS 5182: Part 24: 2019
03	Sulphur dioxide as SO ₂ in µg/m ³	23.6	26.5	25.4	25.2	80	IS 5182: Part 2/Sec1: 2023
04	Nitrogen dioxide as NO _x in µg/m ³	24.5	29.5	23.6	25.9	80	IS 5182: Part-6 (2006)
05	Ozone (O ₃) in µg/m ³	25.9	31.6	26.5	28.0	180 (1hr)	IS 5182: Part-IX (1974)
06	Ammonia (NH ₃) in µg/m ³	30.3	34.5	30.6	31.8	400	IS 5182: Part 25: 2018

Instrument Details:

Respirable Dust Sampler (RDS)	Fine Particulate Sampler (PM 2.5)
Make: Enviro Instruments, Model: EI 142 NL, Serial Number: 119-K-19, Date of Calibration: 01.08.2025 and Due Date of Calibration: 31.07.2026	Make: Enviro Instruments, Model: EI 133, Serial Number: 201-H-21, Date of Calibration: 02.08.2025 and Due Date of Calibration: 01.08.2026

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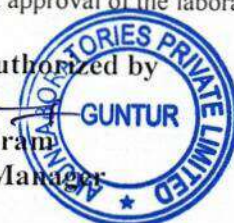
Prepared by

P. Sekhar Babu
Sr. Chemist

Reviewed & Authorized by

M. Sairam
Technical Manager

END OF REPORT



2nd Floor, 18-12/1, Vengalayapalem, Guntur, Guntur District, Andhra Pradesh-522005

Cell: +91 70957 34733, +91 79897 30062, E-mail : info@akunlaboratories.com, Website : akunlaboratories.com

TESTREPORT

Test Report No	ALPL/GNT/JSL/FEM/26/03/1311	Test Report Issue Date			21.03.2026
Discipline	Chemical	Group	Pollution & Environment	Sub Group	Atmospheric

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal, Andhra Pradesh 515871 India.	Sample Code No:	ALPL/GNT/JSL/FEM/26/03/945-950
Sample Drawn by	AKUNLABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 25°C Humidity: 50 %

Sample Description	Fugitive Emission Monitoring
Sample Particular	Suspended Particulate Matter
Sample Condition During Receipt	Good
Date of Monitoring	12.03.2026-14.03.2026
Sample Registration Date on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026
Sampling Procedure	ALPL/GNT/CH/SOP/AP/FEM/06

S. No	Name of the Location	Date of Monitoring	Result (µg/m ³)	Test Method	CPCB STANDARD
1	Oxygen Plant A, B	12.03.2026	1612	IS-5182 (Part-4)-2019	2000
2	Pump House (Power Plant)	12.03.2026	1432		
3	Mould Shop	13.03.2026	1524		
4	Annealing Plant	13.03.2026	1726		
5	Zinc Coating-2	14.03.2026	1699		
6	Sinter Screen House	14.03.2026	1710		

Note: 1. High Volume Sampler Date of Calibration 02.12.2025 and Due Date of Calibration: 01.12.2026

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Prepared by


P. Sekhar Babu
Sr. Chemist

Reviewed & Authorized by


M. Sairam
Technical Manager

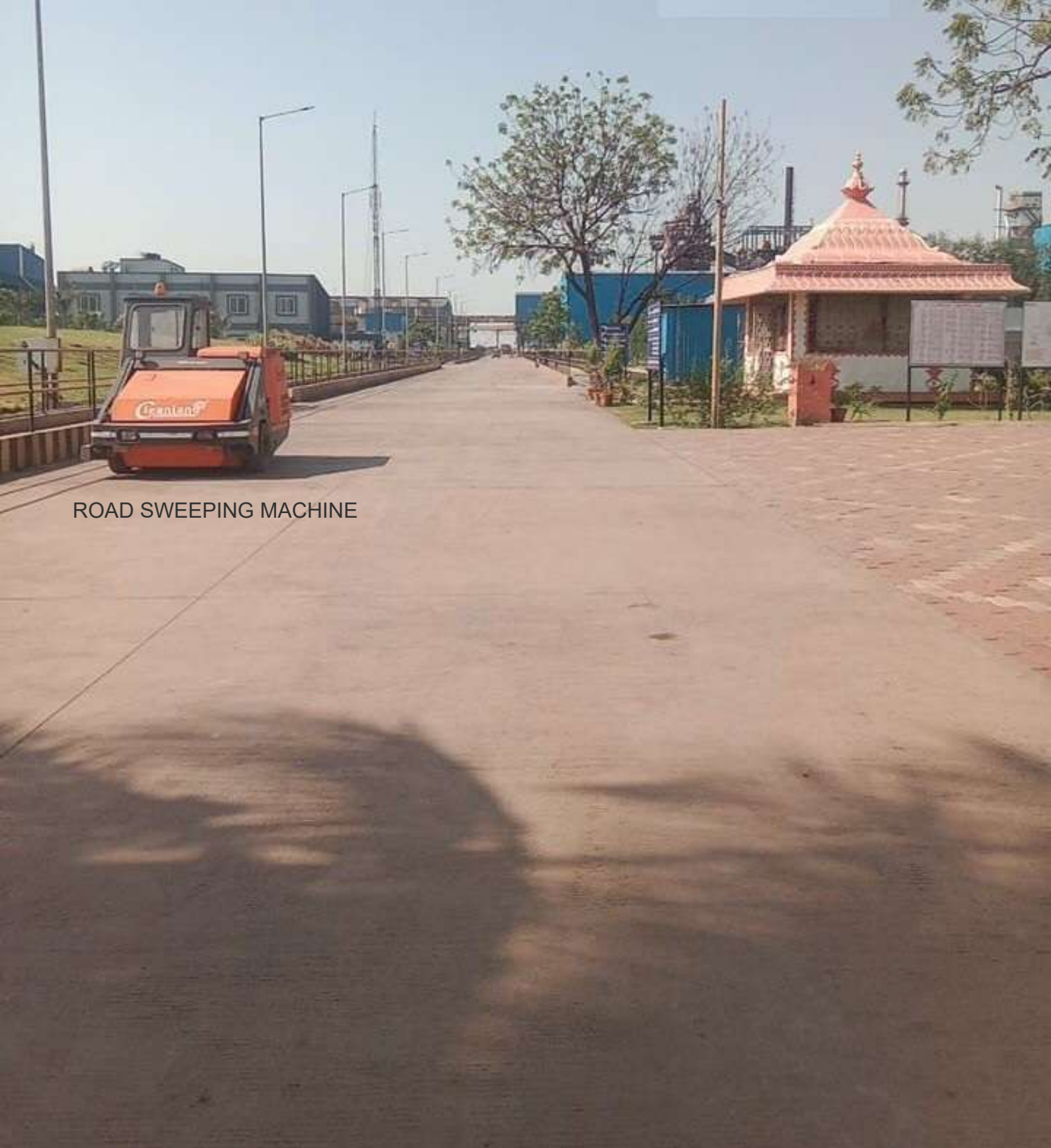


END OF REPORT

JINDAL SAW LTD
AP01, HARESAMUDRAM

15°0'30.546"N 77°0'1.71"E
Haresamudram
Andhra Pradesh

ANNEXURE-XI



ROAD SWEEPING MACHINE

ANNEXURE-XII

JIDAL SAW LTD
AP01, HARESAMUDRAM

TRUCKS COVERED WITH TARPALIN



Water Sprinkling at Raw material Yards.





TESTREPORT

Test Report No	ALPL/GNT/JSL/STACK/26/03/1297/A	Test Report Issue Date			21.03.2026
Discipline	Chemical	Group	Pollution & Environment	Sub Group	Atmospheric Pollution

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal, Andhra Pradesh 515871 India.	Sample Code No:	ALPL/GNT/JSL/ST ACK/26/03/954
Sample Drawn by	AKUNLABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 26°C Humidity: 50 %

Sample Description	Stack Emission Monitoring
Sample Particular	Blast Furnace
Sampling Procedure	ALPL/GNT/CH/SOP/AP/STACK/01
Sample Condition During Receipt	Good
Date of Monitoring	12.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026

S. No	Parameter	Unit	Method	Result	MOEF GS.R. 277(E) Standards
1	Stack Diameter	Meter(m)	IS 11255: Part-3: 2008	1.63	--
2	Stack Height	Meter	IS 11255: Part-3: 2008	60	--
3	Area of Cross Section	m ²	IS 11255: Part-3: 2008	2.0876	--
4	Ambient Temperature	°C	IS 11255: Part-3: 2008	31	--
5	Flue Gas Temperature	°C	IS 11255: Part-3: 2008	197	--
6	Flue Gases Velocity	m/sec	IS 11255: Part-3: 2008	13.98	--
7	Flow Rate	Nm ³ /hr	IS 11255: Part-3: 2008	60065	--
8	Particulate Matter as (PM)	mg/Nm ³	IS 11255: Part-1: 1985	12.5	50
9	Sulphur Dioxide as (SO ₂)	mg/Nm ³	IS 11255: Part-2: 1985	24.6	250
10	Oxides of Nitrogen as (NO _x)	mg/Nm ³	IS 11255: Part-7: 2005	30.5	150

Note: 1. Stack Kit Date of Calibration 05.07.2025 and Due Date of Calibration: 04.07.2026

Disclaimer:

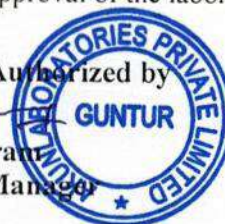
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Prepared by


P. Sekhar Babu
Sr. Chemist

Reviewed & Authorized by


M. Sairam
Technical Manager



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TESTREPORT

Test Report No	ALPL/GNT/JSL/STACK/26/03/1298	Test Report Issue Date			21.03.2026
Discipline	Chemical	Group	Pollution & Environment	Sub Group	Atmospheric Pollution

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal, Andhra Pradesh 515871 India.	Sample Code No:	ALPL/GNT/JSL/STACK/26/03/955
Sample Drawn by	AKUNLABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 26°C Humidity: 50 %

Sample Description	Stack Emission Monitoring
Sample Particular	Sinter Plant
Sampling Procedure	ALPL/GNT/CH/SOP/AP/STACK/01
Sample Condition During Receipt	Good
Date of Monitoring	12.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026

S. No	Parameter	Unit	Method	Result	Standards are given as per CFO
1	Stack Diameter	Meter(m)	IS 11255: Part-3: 2008	4.64	--
2	Stack Height	Meter	IS 11255: Part-3: 2008	75	--
3	Area of Cross Section	m ²	IS 11255: Part-3: 2008	16.9161	--
4	Ambient Temperature	°C	IS 11255: Part-3: 2008	32	--
5	Flue Gas Temperature	°C	IS 11255: Part-3: 2008	124	--
6	Flue Gases Velocity	m/sec	IS 11255: Part-3: 2008	11.61	--
7	Flow Rate	Nm ³ /hr	IS 11255: Part-3: 2008	478519	--
8	Particulate Matter as (PM)	mg/Nm ³	IS 11255: Part-1: 1985	21.6	50

Note: 1. Stack Kit Date of Calibration 05.07.2025 and Due Date of Calibration: 04.07.2026

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Prepared by


P. Sekhar Babu
Sr. Chemist

Reviewed & Authorized by


M. Sairam
Technical Manager



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AKUNLABORATORIES PVT.LTD

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TESTREPORT

Test Report No	ALPL/GNT/JSL/STACK/26/03/1299/A	Test Report Issue Date			21.03.2026
Discipline	Chemical	Group	Pollution & Environment	Sub Group	Atmospheric Pollution

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal, Andhra Pradesh 515871 India.	Sample Code No:	ALPL/GNT/JSL/STACK/26/03/956
Sample Drawn by	AKUNLABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 26°C Humidity: 50 %

Sample Description	Stack Emission Monitoring
Sample Particular	130 TPH Boiler
Sampling Procedure	ALPL/GNT/CH/SOP/AP/STACK/01
Sample Condition During Receipt	Good
Date of Monitoring	12.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026

S. No	Parameter	Unit	Method	Result	As per CPCB Notification No. S.O. 3305(E) Limits
1	Stack Diameter	Meter(m)	IS 11255: Part-3: 2008	2.57	--
2	Stack Height	Meter	IS 11255: Part-3: 2008	75	--
3	Area of Cross Section	m ²	IS 11255: Part-3: 2008	5.1896	--
4	Ambient Temperature	°C	IS 11255: Part-3: 2008	32	--
5	Flue Gas Temperature	°C	IS 11255: Part-3: 2008	168	--
6	Flue Gases Velocity	m/sec	IS 11255: Part-3: 2008	15.17	--
7	Flow Rate	Nm ³ /hr	IS 11255: Part-3: 2008	172745	--
8	Particulate Matter as (PM)	mg/Nm ³	IS 11255: Part-1: 1985	20.6	50
9	Sulphur Dioxide as (SO ₂)	mg/Nm ³	IS 11255: Part-2: 1985	43.5	600
10	Oxides of Nitrogen as (NO _x)	mg/Nm ³	IS 11255: Part-7: 2005	58.9	300

Note: 1. Stack Kit Date of Calibration 05.07.2025 and Due Date of Calibration: 04.07.2026

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Prepared by


P. Sekhar Babu
Sr. Chemist

Reviewed & Authorized by


M. Sairam
Technical Manager



END OF REPORT

2nd Floor, 18-12/1, Vengalayapalem, Guntur, Guntur District, Andhra Pradesh-522005

Cell: +91 70957 34733, +91 79897 30062, E-mail : info@akunlaboratories.com, Website : akunlaboratories.com



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TESTREPORT

Test Report No	ALPL/GNT/JSL/STACK/26/03/1300		Test Report Issue Date		21.03.2026
Discipline	Chemical		Group	Pollution & Environment	Sub Group Atmospheric Pollution

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal, Andhra Pradesh 515871 India.	Sample Code No:	ALPL/GNT/JSL/STACK/26/03/957
Sample Drawn by	AKUNLABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 26°C Humidity: 50 %

Sample Description	Stack Emission Monitoring
Sample Particular	Annealing Furnace
Sampling Procedure	ALPL/GNT/CH/SOP/AP/STACK/01
Sample Condition During Receipt	Good
Date of Monitoring	12.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026

S. No	Parameter	Unit	Method	Result	Standards are given as per CFO
1	Stack Diameter	Meter(m)	IS 11255: Part-3: 2008	1.6	--
2	Stack Height	Meter	IS 11255: Part-3: 2008	40	--
3	Area of Cross Section	m ²	IS 11255: Part-3: 2008	2.0114	--
4	Ambient Temperature	°C	IS 11255: Part-3: 2008	30	--
5	Flue Gas Temperature	°C	IS 11255: Part-3: 2008	105	--
6	Flue Gases Velocity	m/sec	IS 11255: Part-3: 2008	13.31	--
7	Flow Rate	Nm ³ /hr	IS 11255: Part-3: 2008	68578	--
8	Particulate Matter as (PM)	mg/Nm ³	IS 11255: Part-1: 1985	13.6	50

Note: 1. Stack Kit Date of Calibration 05.07.2025 and Due Date of Calibration: 04.07.2026

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P. Sekhar Babu
Sr. Chemist

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M. Sairam
Technical Manager



END OF REPORT



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TESTREPORT

Test Report No	ALPL/GNT/JSL/STACK/26/03/1301	Test Report Issue Date			21.03.2026
Discipline	Chemical	Group	Pollution & Environment	Sub Group	Atmospheric Pollution

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal, Andhra Pradesh 515871 India.	Sample Code No:	ALPL/GNT/JSL/STACK/26/03/958
Sample Drawn by	AKUN LABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 26°C Humidity: 50 %

Sample Description	Stack Emission Monitoring
Sample Particular	Induction Furnace
Sampling Procedure	ALPL/GNT/CH/SOP/AP/STACK/01
Sample Condition During Receipt	Good
Date of Monitoring	12.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026

S. No	Parameter	Unit	Method	Result	Standards are given as per CFO
1	Stack Diameter	Meter(m)	IS 11255: Part-3: 2008	1.0	--
2	Stack Height	Meter	IS 11255: Part-3: 2008	40	--
3	Area of Cross Section	m ²	IS 11255: Part-3: 2008	0.7857	--
4	Ambient Temperature	°C	IS 11255: Part-3: 2008	32	--
5	Flue Gas Temperature	°C	IS 11255: Part-3: 2008	125	--
6	Flue Gases Velocity	m/sec	IS 11255: Part-3: 2008	14.41	--
7	Flow Rate	Nm ³ /hr	IS 11255: Part-3: 2008	27534	--
8	Particulate Matter as (PM)	mg/Nm ³	IS 11255: Part-1: 1985	15.9	50

Note: 1. Stack Kit Date of Calibration 05.07.2025 and Due Date of Calibration: 04.07.2026

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P. Sekhar Babu
Sr. Chemist

Reviewed & Authorized by

M. Sauram
Technical Manager



END OF REPORT

2nd Floor, 18-12/1, Vengalayapalem, Guntur, Guntur District, Andhra Pradesh-522005

Cell: +91 70957 34733, +91 79897 30062, E-mail : info@akunlaboratories.com, Website : akunlaboratories.com

Online Pollution Monitoring Portal		
Jindal Saw Ltd(Earlier Known As Sathavahana Ispat Ltd)		
Average Report		
From Date: 01-03-2026T00:00:38Z To Date: 31-03-2026T23:59:38Z		
Report Created by Sathavahana on 2026-06-09 13:03:59		
Sl No.	Time	Induction_ Furnace-PM(mg/Nm3)
1	2026-03-01 00:00:00	NA
2	2026-03-02 00:00:00	18.6
3	2026-03-03 00:00:00	18.32
4	2026-03-04 00:00:00	19.2
5	2026-03-05 00:00:00	19.12
6	2026-03-06 00:00:00	17.93
7	2026-03-07 00:00:00	17.45
8	2026-03-08 00:00:00	18.78
9	2026-03-09 00:00:00	18.82
10	2026-03-10 00:00:00	19.82
11	2026-03-11 00:00:00	18.6
12	2026-03-12 00:00:00	NA
13	2026-03-13 00:00:00	17.82
14	2026-03-14 00:00:00	19.01
15	2026-03-15 00:00:00	17.91
16	2026-03-16 00:00:00	18.74
17	2026-03-17 00:00:00	18.9
18	2026-03-18 00:00:00	18.68
19	2026-03-19 00:00:00	17.37
20	2026-03-20 00:00:00	17.52
21	2026-03-21 00:00:00	18.39
22	2026-03-22 00:00:00	18.99
23	2026-03-23 00:00:00	18.24
24	2026-03-24 00:00:00	20.11
25	2026-03-25 00:00:00	17.79
26	2026-03-26 00:00:00	17.63
27	2026-03-27 00:00:00	19.87
28	2026-03-28 00:00:00	19.13
29	2026-03-29 00:00:00	18.89
30	2026-03-30 00:00:00	18.79
31	Prescribed Standards	0 - 50
32	Maximum Value	20.11
33	Maximum Value At Time	2026-03-24 00:00:00
34	Minimum Value	17.37
35	Minimum Value At Time	2026-03-19 00:00:00
36	Geometric Mean	18.59
37	Median	18.71
38	Standard Deviation	0.73
39	Valid Data Points	28
40	Total Data Points	30
41	Data Availability %	93.33



TEST REPORT

Test Report No	ALPL/GNT/JSL/W/26/03/1306/A	Test Report Issue Date	21.03.2026
Discipline	Chemical	Group	Water
		Sub Group	Ground Water

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED. Survey No. 42 to 49, Haresamudram Village Bommanahal Mandal, Anantapuram District Post Office Bommanahal Andhra Pradesh 515871 India.	Sample Code No.	ALPL/JSL/W/26/03/754
Sample Drawn by	Customer	Environmental Conditions During Testing	Temperature: 26°C Humidity: 49 %

Sample Description	Kuruvalli Village Ground Water
Sample Quantity	2 Ltrs
Condition During Receipt	Good
Sample Collection date	14.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026

S. No	Parameter	Unit	Method	Result	IS 10500 Limits	
					Acceptable	Permissible
1	pH @25 °C	--	IS 3025-Partt 11:1983	7.89	6.5-8.5	No Relaxation
2	Turbidity	NTU	IS 3025: Part 10: 2023	<1.0	1.0	5.0
3	Conductivity@25 °C	µMho/Cm	APHA 24 th Edition2510 B	810.2	NS	NS
4	Total dissolved Solids @ 180°C	mg/L	IS 3025-Partt 16:1984	522	500.0	2000.0
5	Color	CU	IS 3025: Part 4: 2021	<5.0	5.0	15.0
6	Total Alkalinity as CaCO ₃	mg/L	IS 3025-Part 23:2006	200	200.0	600.0
7	Total Hardness as CaCO ₃	mg/L	IS 3025-Part 21:2009	310	200.0	600.0
8	Calcium as Ca	mg/L	APHA 24 th Edition 3500 Ca B	64.2	75.0	200.0
9	Magnesium as Mg	mg/L	IS 3025-Part 46:1994	36.5	30.0	100.0
10	Sodium as Na	mg/L	IS3025:Part45:2024	38.9	NS	NS
11	Potassium as K	mg/L	IS3025:Part45:2024	2.24	NS	NS
12	Sulphates as SO ₄ ⁻²	mg/L	IS3025:Part24:Sec1 :2022	89.5	200.0	400.0
13	Chlorides as Cl ⁻	mg/L	IS 3025-Part 32:1988	57.8	250.0	1000.0

Test Report No: ALPL/GNT/JSL/W/26/03/1306/A

S.no	Parameter	Unit	Method	Result	IS 10500 Limits	
					Acceptable	Permissible
14	Nitrate Nitrogen as No ₃	mg/l	IS 3025: Part 34: 1988	1.21	45.0	No Relaxation
15	Fluorides as F ⁻	mg/l	IS 3025: Part 60: Sec 1:2023	<1.0	1.0	1.5
16	Iron as Fe	mg/l	IS 3025: Part 53: 2024	<0.1	0.3	No Relaxation
17	Phenolic Compound as Phenols	mg/l	IS3025:Part43: Sec1: 2022	<0.001	0.001	0.002
18	Hexavalent Chromium as Cr+6	mg/l	IS3025:Part52:2003	<0.05	0.05	No Relaxation
19	Residual Chlorine as Cl	mg/l	IS3025:Part26:2021	<0.02	0.2	1.0
20	Total Cyanide	mg/l	APHA 24 th Edition, 4500CN- C, E:2023	<0.05	0.05	No Relaxation

Note: 1. Test Method Followed by the Laboratory is APHA 24th Edition & IS 3025.
2. NS – Not Specified

Disclaimer:

- The above results are related to the item tested only.
- The Results in the test report shall not be reproduced except in full, without approval of the laboratory.

Prepared by



M. Sairam
Sr. Chemist

Reviewed & Authorized by



P. Sekhar Babu
Technical Manager



END OF REPORT

TEST REPORT

Test Report No	ALPL/GNT/JSL/W/26/03/1306/B	Test Report Issue Date	21.03.2026
Discipline	Chemical	Group	Water
		Sub Group	Ground Water

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED. Survey No. 42 to 49, Haresamudram Village Bommanahal Mandal, Anantapuram District Post Office Bommanahal Andhra Pradesh 515871 India.	Sample Code No.	ALPL/JSL/W/26/03/754
Sample Drawn by	Customer	Environmental Conditions During Testing	Temperature: 26°C Humidity: 49 %

Sample Description	Kuruvalli Village Ground Water
Sample Quantity	2 Ltrs
Condition During Receipt	Good
Sample Collection date	14.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026

S. No	Parameter	Unit	Method	Result	IS 10500 Limits	
					Acceptable	Permissible
1	Odor	--	APHA 24 th Edition 2150 B	Agreeable	Agreeable	Agreeable
2	Manganese as Mn	mg/L	APHA 24 th Edition; 3500 Mn B	<0.01	0.1	0.3
3	Copper as Cu	mg/L	APHA 24 th Edition; 3111 B	<0.05	0.05	1.5
4	Cadmium as Cd	mg/L	APHA 24 th Edition; 3111 B	<0.003	0.003	No Relaxation
5	Zinc as Zn	mg/L	APHA 24 th Edition; 3500 -Zn B	<5.0	5	15
6	Lead as Pb	mg/L	APHA 24 th Edition; 3111 B	<0.01	0.01	No Relaxation

Note: 1. Test Method Followed by the Laboratory is APHA 24th Edition.
2. NS – Not Specified

Disclaimer:

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- The Results in the test report shall not be reproduced except in full, without approval of the laboratory.

Prepared by


M. Sairam
Sr. Chemist

Reviewed & Authorized by


P. Sekhar Babu
Technical Manager



END OF REPORT



AKUNLABORATORIES PVT.LTD

(ENVIRONMENTAL MONITORING, TESTING & SERVICES)

NABL Accreditation Laboratory Vide Certificate No. TC-15658



(ENVIRONMENTAL TESTING LABORATORY)

TESTREPORT

Test Report No	ALPL/GNT/JSL/W/26/03/1307/A	Test Report Issue Date			21.03.2026
Discipline	Chemical	Group	Water	Sub Group	Ground Water

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED. Survey No. 42 to 49, Haresamudram Village Bommanahal Mandal, Anantapuram District Post Office Bommanahal Andhra Pradesh 515871 India.	Sample Code No.	ALPL/JSL/W/26/03/755
Sample Drawn by	Customer	Environmental Conditions During Testing	Temperature: 26 °C Humidity: 49 %

Sample Description	Haresamudram Village Ground Water
Sample Quantity	2 Ltrs
Condition During Receipt	Good
Sample Collection date	14.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026

S. No	Parameter	Unit	Method	Result	IS 10500 Limits	
					Acceptable	Permissible
1	pH @25 °C	--	IS 3025-Partt 11:1983	7.89	6.5-8.5	No Relaxation
2	Turbidity	NTU	IS 3025: Part 10: 2023	<1.0	1.0	5.0
3	Conductivity@25 °C	μMho/Cm	APHA 24 th Edition 2510 B	610.2	NS	NS
4	Total dissolved Solids @ 180°C	mg/L	IS 3025-Partt 16:1984	400	500.0	2000.0
5	Color	CU	IS 3025: Part 4: 2021	<5.0	5.0	15.0
6	Total Alkalinity as CaCO ₃	mg/L	IS 3025-Part 23:2006	140	200.0	600.0
7	Total Hardness as CaCO ₃	mg/L	IS 3025-Part 21:2009	190	200.0	600.0
8	Calcium as Ca	mg/L	APHA 24 th Edition 3500 Ca B	40.1	75.0	200.0
9	Magnesium as Mg	mg/L	IS 3025-Part 46:1994	21.8	30.0	100.0
10	Sodium as Na	mg/L	IS3025:Part45:2024	45.6	NS	NS
11	Potassium as K	mg/L	IS3025:Part45:2024	<1.0	NS	NS
12	Sulphates as SO ₄ ⁻²	mg/L	IS3025:Part24:Sec1 :2022	24.5	200.0	400.0
13	Chlorides as Cl ⁻	mg/L	IS 3025-Part 32:1988	85.6	250.0	1000.0



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(ENVIRONMENTAL MONITORING, TESTING & SERVICES)

NABL Accreditation Laboratory Vide Certificate No. TC-15658



Test Report No: ALPL/GNT/JSL/W/26/03/1307/A

S.no	Parameter	Unit	Method	Result	IS 10500 Limits	
					Acceptable	Permissible
14	Nitrate Nitrogen as No ₃	mg/L	IS 3025: Part 34: 1988	1.32	45.0	No Relaxation
15	Fluorides as F ⁻	mg/L	IS 3025: Part 60: Sec 1:2023	<1.0	1.0	1.5
16	Iron as Fe	mg/L	IS 3025: Part 53: 2024	<0.1	0.3	No Relaxation
18	Phenolic Compound as Phenols	mg/L	IS3025:Part43: Sec1: 2022	<0.001	0.001	0.002
19	Hexavalent Chromium as Cr+6	mg/L	IS3025:Part52:2003	<0.05	0.05	No Relaxation
20	Residual Chlorine as Cl	mg/L	IS3025:Part26:2021	<0.02	0.2	1.0
21	Total Cyanide	mg/L	APHA 24 th Edition, 4500CN- C, E:2023	<0.05	0.05	No Relaxation

Note: 1. Test Method Followed by the Laboratory is APHA 24th Edition & IS 3025.

2. NS – Not Specified

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Prepared by

M. Sairam
Sr. Chemist

Reviewed & Authorized by

P. Sekhar Babu
Technical Manager

END OF REPORT

TESTREPORT

Test Report No	ALPL/GNT/JSL/W/26/03/1307/B	Test Report Issue Date			21.03.2026
Discipline	Chemical	Group	Water	Sub Group	Ground Water

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED. Survey No. 42 to 49, Haresamudram Village Bommanahal Mandal, Anantapuram District Post Office Bommanahal Andhra Pradesh 515871 India.	Sample Code No.	ALPL/JSL/W/26/03/755
Sample Drawn by	Customer	Environmental Conditions During Testing	Temperature: 26°C Humidity: 49 %

Sample Description	Haresamudram Village Ground Water
Sample Quantity	2 Ltrs
Condition During Receipt	Good
Sample Collection date	14.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026

S. No	Parameter	Unit	Method	Result	IS 10500 Limits	
					Acceptable	Permissible
1	Odor	--	APHA 24 th Edition 2150 B	Agreeable	Agreeable	Agreeable
2	Manganese as Mn	mg/L	APHA 24th Edition; 3500 Mn B	<0.01	0.1	0.3
3	Copper as Cu	mg/L	APHA 24th Edition; 3111 B	<0.05	0.05	1.5
4	Cadmium as Cd	mg/L	APHA 24th Edition; 3111 B	<0.003	0.003	No Relaxation
5	Zinc as Zn	mg/L	APHA 24th Edition; 3500 -Zn B	<5.0	5	15

Note: 1. Test Method Followed by the Laboratory is APHA 24th Edition.
2. NS – Not Specified

Disclaimer:

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Prepared by



M. Sairam
Sr. Chemist

Reviewed & Authorized by



P. Sekhar Babu
Technical Manager



END OF REPORT

TESTREPORT

Test Report No	ALPL/GNT/JSL/W/26/03/1308/A	Test Report Issue Date	21.03.2026
Discipline	Chemical	Group	Water
		Sub Group	Ground Water

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED. Survey No. 42 to 49, Haresamudram Village Bommanahal Mandal, Anantapuram District Post Office Bommanahal Andhra Pradesh 515871 India.	Sample Code No.	ALPL/JSL/W/26/03/756
Sample Drawn by	Customer	Environmental Conditions During Testing	Temperature: 26 °C Humidity: 49 %

Sample Description	Bommanahal Village Ground Water
Sample Quantity	2 Ltrs
Condition During Receipt	Good
Sample Collection date	14.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026

S. No	Parameter	Unit	Method	Result	IS 10500 Limits	
					Acceptable	Permissible
1	pH @25 °C	--	IS 3025-Partt 11:1983	7.62	6.5-8.5	No Relaxation
2	Turbidity	NTU	IS 3025: Part 10: 2023	<1.0	1.0	5.0
3	Conductivity@25 °C	µMho/Cm	APHA 24 th Edition 2510 B	4354	NS	NS
4	Total dissolved Solids @ 180°C	mg/L	IS 3025-Partt 16:1984	2801	500.0	2000.0
5	Color	CU	IS 3025: Part 4: 2021	<5.0	5.0	15.0
6	Total Alkalinity as CaCO ₃	mg/L	IS 3025-Part 23:2006	740	200.0	600.0
7	Total Hardness as CaCO ₃	mg/L	IS 3025-Part 21:2009	450	200.0	600.0
8	Calcium as Ca	mg/L	APHA 24 th Edition 3500 Ca B	100.2	75.0	200.0
9	Magnesium as Mg	mg/L	IS 3025-Part 46:1994	48.6	30.0	100.0
10	Sodium as Na	mg/L	IS3025:Part45:2024	798	NS	NS
11	Potassium as K	mg/L	IS3025:Part45:2024	12.1	NS	NS
12	Sulphates as SO ₄ ⁻²	mg/L	IS3025:Part24:Sec1 :2022	332	200.0	400.0
13	Chlorides as Cl ⁻	mg/L	IS 3025-Part 32:1988	735	250.0	1000.0

Test Report No: ALPL/GNT/JSL/W/26/03/1308/A

S.no	Parameter	Unit	Method	Result	IS 10500 Limits	
					Acceptable	Permissible
14	Nitrate Nitrogen as No ₃	mg/L	IS 3025: Part 34: 1988	7.29	45.0	No Relaxation
15	Fluorides as F ⁻	mg/L	IS 3025: Part 60: Sec 1:2023	<1.0	1.0	1.5
16	Iron as Fe	mg/L	IS 3025: Part 53: 2024	<0.1	0.3	No Relaxation
17	Phenolic Compound as Phenols	mg/L	IS3025:Part43: Sec1: 2022	<0.001	0.001	0.002
18	Hexavalent Chromium as Cr+6	mg/L	IS3025:Part52:2003	<0.05	0.05	No Relaxation
19	Residual Chlorine as Cl	mg/L	IS3025:Part26:2021	<0.02	0.2	1.0
20	Total Cyanide	mg/L	APHA 24 th Edition, 4500CN- C, E:2023	<0.05	0.05	No Relaxation

Note: 1. Test Method Followed by the Laboratory is APHA 24th Edition & IS 3025.
2. NS – Not Specified

Disclaimer:

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Prepared by



M. Sairam
Sr. Chemist

Reviewed & Authorized by



P. Sekhar Babu
Technical Manager



END OF REPORT

TESTREPORT

Test Report No	ALPL/GNT/JSL/W/26/03/1308/B	Test Report Issue Date	21.03.2026
Discipline	Chemical	Group	Water
		Sub Group	Ground Water

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED. Survey No. 42 to 49, Haresamudram Village Bommanahal Mandal, Anantapuram District Post Office Bommanahal Andhra Pradesh 515871 India.	Sample Code No.	ALPL/JSL/W/26/03/756
Sample Drawn by	Customer	Environmental Conditions During Testing	Temperature: 26°C Humidity: 49 %

Sample Description	BommanahalVillage Ground Water
Sample Quantity	2 Ltrs
Condition During Receipt	Good
Sample Collection date	14.03.2026
Sample Received on	16.03.2026
Analysis Started on	16.03.2026
Analysis Completed on	21.03.2026

S. No	Parameter	Unit	Method	Result	IS 10500 Limits	
					Acceptable	Permissible
1	Odor	--	APHA 24 th Edition 2150 B	Agreeable	Agreeable	Agreeable
2	Manganese as Mn	mg/L	APHA 24th Edition; 3500 Mn B	<0.01	0.1	0.3
3	Copper as Cu	mg/L	APHA 24th Edition; 3111 B	<0.05	0.05	1.5
4	Cadmium as Cd	mg/L	APHA 24th Edition; 3111 B	<0.003	0.003	No Relaxation
5	Zinc as Zn	mg/L	APHA 24th Edition; 3500 -Zn B	<5.0	5	15
6	Lead as Pb	mg/L	APHA 24th Edition; 3111 B	<0.01	0.01	No Relaxation

Note: 1. Test Method Followed by the Laboratory is APHA 24th Edition & IS 3025.

2. NS – Not Specified

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Prepared by



M. Sairam
Sr. Chemist

Reviewed & Authorized by



P. Sekhar Babu
Technical Manager



END OF REPORT

INLET FLOW METER





AKUN LABORATORIES PVT. LTD

(ENVIRONMENTAL MONITORING, TESTING & SERVICES)

NABL Accreditation Laboratory Vide Certificate No. TC-15658



ANNEXURE-XVIII

TESTREPORT

Test Report No	ALPL/GNT/JSL/N/26/03/1295	Test Report Issue Date			21.03.2026
Discipline	Chemical	Group	Pollution & Environment	Sub Group	Atmospheric Pollution

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal, Andhra Pradesh 515871 India.	Sample Code No:	ALPL/GNT/JSL/N/ 26/03/951-953
Sample Drawn by	AKUN LABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 31°C Humidity: 58 %

Sample Description	Ambient Noise Level Monitoring
Sample Condition During Receipt	---
Date of Monitoring	12.03.2026
Sample Registration Date on	16.03.2026
Analysis Started on	---
Analysis Completed on	---
Sampling Procedure	ALPL/GNT/CH/SOP/AP/N/03

S. No	Sampling Location	Category of Area	Result in dB(A) Leq		CPCB NORMS (Day time)	CPCB NORMS (Night time)
			Day Time (6AM-10PM)	Night Time (10PM-6AM)		
1	Main Gate	Industrial	69.1	58.9	75 dB(A)	70 dB(A)
2	WTP Area		66.9	56.4		
3	Township		69.2	55.2		

Note: 1. Sound Level Meter Date of Calibration 02.12.2025 and Due Date of Calibration: 01.12.2026

Disclaimer:

- The above results are related to the item tested only.
- The Results in the test report shall not be reproduced except in full, without approval of the laboratory.

Prepared by


P. Sekhar Babu
Sr. Chemist

Reviewed & Authorized By


M. Sairam
Technical Manager

END OF REPORT





AKUNLABORATORIES PVT.LTD

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NABL Accreditation Laboratory Vide Certificate No. TC-15658



TESTREPORT

Test Report No	ALPL/GNT/JSL/N/26/03/1296	Test Report Issue Date		21.03.2026
Discipline	Chemical	Group	Atmospheric Pollution	SubGroup Ambient Noise

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village, Bommanahal Mandal, Anantapuram District, Post Office Bommanahal, Andhra Pradesh 515871 India.	Sample Code No:	ALPL/GNT/JSL/N /26/03/954-956
Sample Drawn by	Customer	Environmental Conditions During Testing	Temperature: 31°C Humidity: 58 %

Sample Description	Ambient Noise Level Monitoring
Sample Condition During Receipt	---
Date of Monitoring	13.03.2026
Sample Registration Date on	16.03.2026
Analysis Started on	---
Analysis Completed on	---
Sampling Procedure	ALPL/GNT/CH/SOP/AP/N/03

S. No	Sampling Location	Category of Area	Result in dB(A) Leq		CPCB NORMS (Day time)	CPCB NORMS (Night time)
			Day Time (6AM-10PM)	Night Time (10PM-6AM)		
1	Haresamudram Village	Residential	52.5	43.2	55 dB (A)	45 dB (A)
2	Bommanahal Village		53.6	40.8		
3	Kuruvalli Village		50.4	40.2		

Note: 1. Sound Level Meter Date of Calibration 02.12.2025 and Due Date of Calibration: 01.12.2026

Disclaimer:

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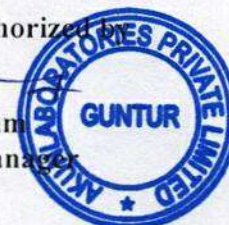
Prepared by


P. Sekhar Babu
Sr. Chemist

Reviewed & Authorized by


M. Sairam
Technical Manager

END OF REPORT



AKUNLABORATORIES PVT.LTD

(ENVIRONMENTAL MONITORING, TESTING & SERVICES)

Laboratory Accredited by NABL as per ISO/IEC 17025:2017

TESTREPORT

Test Report No	ALPL/GNT/JSL/WN/26/03/1304	Test Report Issue Date			21.03.2026
Discipline	Chemical	Group	Pollution & Environment	Sub Group	Atmospheric Pollution

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village Bommanahal Mandal, Anantapuram District Post Office Bommanahal Andhra Pradesh 515871 India	Sample Code No:	ALPL/26/WPN/26/ 03/498-502
Sample Drawn by	AKUNLABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 32°C Humidity: 59 %

Sample Description	Work Place Noise Level Monitoring
Sample Condition During Receipt	---
Date of Monitoring	12.03.2026
Sample Received on	16.03.2026
Analysis Started on	---
Analysis Completed on	---
Sampling Procedure	ALPL/GNT/CH/SOP/AP/N/03

S. No	Sampling Location	Test Method	Day Time (TWA)			OSHA Permissible Limit in dB(A) TWA
			Minimum In Leq dB (A)	Maximum In Leq dB (A)	Average in dB(A) Leq	
1	Oxygen Plant A, B	IS 9989:1981	82.6	84.5	84.6	90 dB (A)
2	Pump House (Power Plant)		78.5	80.6	79.6	
3	Mould Shop		75.4	78.8	77.1	
4	Annealing Plant		69.6	86.4	78	
5	Zinc Coating		72.5	87.6	80.1	

Note: 1. Sound Level Meter Date of Calibration 02.12.2025 and Due Date of Calibration: 01.12.2026
2. TWA- Time Weighted Average
3. OSHA PEL-Occupational Safety and Health Administration Permissible Exposure Limit.

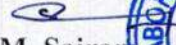
Disclaimer:

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Prepared by


P. Sekhar Babu
Sr. Chemist

Reviewed & Authorized by


M. Sairam
Technical Manager



END OF REPORT

TESTREPORT

Test Report No	ALPL/GNT/JSL/WN/26/03/1305	Test Report Issue Date	21.03.2026
Discipline	Chemical	Group	Pollution & Environment
		Sub Group	Atmospheric Pollution

Customer Name, Address, and Contact Information:	M/S. JINDAL SAW LIMITED Survey No. 42 to 49, Haresamudram Village Bommanahal Mandal, Anantapuram District Post Office Bommanahal Andhra Pradesh 515871 India	Sample Code No:	ALPL/26/WPN/26/ 03/504-508
Sample Drawn by	AKUNLABORATORIES PRIVATE LIMITED	Environmental Conditions During Testing	Temperature: 32°C Humidity: 59 %

Sample Description	Work Place Noise Level Monitoring
Sample Condition During Receipt	---
Date of Monitoring	12.03.2026
Sample Received on	16.03.2026
Analysis Started on	---
Analysis Completed on	---
Sampling Procedure	ALPL/GNT/CH/SOP/AP/N/03

S. No	Sampling Location	Test Method	Night Time (TWA)			OSHA Permissible Limit in dB(A) TWA
			Minimum In Leq dB (A)	Maximum In Leq dB (A)	Average in dB(A) Leq	
1	Oxygen Plant A, B	IS 9989:1981	75.4	81.3	78.3	90 dB (A)
2	Pump House (Power Plant)		68.9	74.8	71.8	
3	Mould Shop		70.5	75.6	73	
4	Annealing Plant		67.1	73.9	70.5	
5	Zinc Coating		71.8	76.1	73.9	

Note: 1. Sound Level Meter Date of Calibration 02.12.2025 and Due Date of Calibration: 01.12.2026

2. TWA- Time Weighted Average

3. OSHA PEL-Occupational Safety and Health Administration Permissible Exposure Limit.

Disclaimer:

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Prepared by

P. Sekhar Babu
Sr. Chemist

Reviewed & Authorized by

M. Sairam
Technical Manager



END OF REPORT

JINDAL SAW LIMITED AP01, Haresamudram.

Environmental Clearance paper advertisement announcement English Language

Private degree colleges plan protest today for fee reimbursement dues

The reimbursement of tuition fee has been pending for a total of six phases - three instalments pertaining to the academic year 2023-24 and another three to 2024-25, say association leaders P. Jayaram and P. Peddi Raju.

**The Hindu Bureau
TIRUPATI**

Members of Andhra Pradesh Private Degree College Management Association (APDPCMA) are going up for a state-level protest at the Department of Higher Education office in Hyderabad on Wednesday, as part of their phased agitation for release of the reimbursement of tuition fee by the government.

In a statement, the association's president P. Jayaram and general secretary P. Peddi Raju said that payment of the reimbursement of tuition fee was pending for a total of six phases, three instalments pertaining to the academic year 2023-24 and another three pertaining to 2024-25.

They said that many representations were submitted to the officials concerned, but there was no response from the government.

On February 3, this year, they had met the Minister for Human Resource Development, Mr. Jayaprakash Narayan, and explained to him in detail about their problems and had also submitted petitions to the Minister to expedite the release of the reimbursement of tuition fee.

They said that in addition to the tuition reimbursement, there were many other issues faced by private degree colleges that the government needed to address.

In the absence of reimbursement, colleges were finding it increasingly difficult to collect fees from the students.

To draw the government's attention to their plight, representatives of various private degree colleges under the (I) category in the State would stage a peaceful protest on Wednesday, they said.

They also asked how it was possible to operate their institutions without receiving the pending reimbursement funds and why not be allowed to collect fees from the students.

To draw the government's attention to their plight, representatives of various private degree colleges under the (I) category in the State would stage a peaceful protest on Wednesday, they said.

IN BRIEF

Former MP hails role of RSS in protecting culture, traditions

Former Rajya Sabha member T.C. Venkateswara hailed the services of Rashtriya Swayamsevak Sangh (RSS) in protecting and promoting the country's rich culture and traditions.

Mr. Venkateswara, who participated in the Bharat Gaurav Yatra, said that the RSS has been instrumental in the revival of the culture and traditions of the country.

Businessman donates ₹10 cr. to Lord Venkateswara temple

A businessman has donated ₹10 crore to the Lord Venkateswara Temple in Tirumala, Andhra Pradesh.

The donation is for the renovation and maintenance of the temple.

TDP MPs, MLAs urge Amit Shah to renew FCRA of RDT

**The Hindu Bureau
ANANTHAPURAM**

A delegation of TDP MPs and MLAs from Andhra Pradesh, led by the party's state president, met the Union Home Minister, Mr. Amit Shah, in New Delhi on Tuesday.

The delegation, which included TDP MPs Mr. Anand Kumar, Mr. Anand Kumar, and Mr. Anand Kumar, urged Mr. Shah to renew the Foreign Contribution Regulation Act (FCRA) for the Rashtriya Dalit Trust (RDT).

The RDT is a trust established by the TDP to provide financial assistance to Dalit students for their higher education.

The delegation also urged Mr. Shah to take steps to improve the welfare of Dalits in the country.

The delegation also urged Mr. Shah to take steps to improve the welfare of Dalits in the country.

The RDT is a trust established by the TDP to provide financial assistance to Dalit students for their higher education.

HIGH COURT OF ANDHRA PRADESH

Notice is hereby given that the High Court of Andhra Pradesh is holding a public hearing on the application for writ of habeas corpus filed by the State of Andhra Pradesh against the Government of India.

The hearing will be held on August 15, 2025, at 10:30 AM.

PUBLIC NOTICE

Notice is hereby given that the Government of Andhra Pradesh is holding a public hearing on the application for writ of habeas corpus filed by the State of Andhra Pradesh against the Government of India.

The hearing will be held on August 15, 2025, at 10:30 AM.

WALK-IN INTERVIEW FOR ENGINEERING ASSISTANT FACULTY

Notice is hereby given that the Government of Andhra Pradesh is holding a walk-in interview for the post of Engineering Assistant Faculty.

The interview will be held on August 15, 2025, at 10:30 AM.

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY

Notice is hereby given that the Chennai Metropolitan Development Authority is holding a public hearing on the application for writ of habeas corpus filed by the State of Andhra Pradesh against the Government of India.

The hearing will be held on August 15, 2025, at 10:30 AM.

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AMM BRANCH (13091), VISAKHAPATNAM

Notice is hereby given that the Andhra Pradesh Sahakar Bank is holding a public hearing on the application for writ of habeas corpus filed by the State of Andhra Pradesh against the Government of India.

The hearing will be held on August 15, 2025, at 10:30 AM.

LEGAL NOTICE

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The hearing will be held on August 15, 2025, at 10:30 AM.

THE VISAKHAPATNAM CO-OPERATIVE BANK LTD.

Notice is hereby given that the Visakhapatnam Co-operative Bank Ltd. is holding a public hearing on the application for writ of habeas corpus filed by the State of Andhra Pradesh against the Government of India.

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THE HINDU Region

Wednesday, August 13, 2025

Public Notice

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ಪೊನ್ನಾಚಾರ್ಯ
 ಕವಿ, ಸಾಹಿತ್ಯಕಾರ್ತಿ. ಪ್ರಸಾರ: ಕನ್ನಡಪ್ರಭ
 ಹೆಸರು: ಪೊನ್ನಾಚಾರ್ಯ. ವಯಸ್ಸು: 10.30

ಗುಣಮಟ್ಟ ಬಗ್ಗೆಯೇ ಕಾಂಗ್ರೆಸ್ ನೇತೃತ್ವ ಪಡೆದಿದ್ದು, ಸ್ವಾತಂತ್ರ್ಯದ ನಂತರದ ಹದಿನಾರು ವರ್ಷಗಳ 6-8 ರಂತೆ ಗುಣಮಟ್ಟ ಪರೀಕ್ಷೆ ಆಯಿತು. 7 ರಿಂದ 9 ಗುಣಮಟ್ಟ ಪರೀಕ್ಷೆ ಮಾಡಿದಾಗ, ಹದಿನಾರು ವರ್ಷಗಳ ವೈಯಕ್ತಿಕ 7 ರಿಂದ 9 ಗುಣಮಟ್ಟವನ್ನು 1, 30 ಗುಣಮಟ್ಟ ಮಾಡಿ, 68.64 ಸ್ವಾತಂತ್ರ್ಯದ 7 ರಿಂದ 9 ರಂತೆ 8.30 ಗುಣಮಟ್ಟ ಮಾಡಿ, ಅದರಲ್ಲಿಯೇ ವೈಯಕ್ತಿಕವಾಗಿ ಅಂತರವಿದೆ.

ಅನ್ನ, ಕಸಾಕಾಲ್ ಬೆತ್ ಕಡ್ಡು ಫ್ರೆಷ್‌ನಾ
 ಹದಿನಾರು ವರ್ಷಗಳ ನಂತರ, ಸ್ವಾತಂತ್ರ್ಯದ ನಂತರ, 6-8 ರಂತೆ ಗುಣಮಟ್ಟ ಪರೀಕ್ಷೆ ಆಯಿತು.

ಕಾರ್ಡ್ ಡಬ್ಬಿ, ಸಾಲುಗೆ ಮೊದಲನೆಯ ಪ್ರತಿಕೂಲ
ನೀಡಿ ಹೇಳುವೆ. ಸಾಧ್ಯವಾದಷ್ಟು ಪ್ರಭುಗಳ
ಮಧ್ಯೆ, ಹರಿದೇವಿ, ಓಂ ಸಾಲುಗೆ ಮೊದಲನೆಯ
ಇದು ಮಹಾಪುರಾಣದ ಆಧಾರವು. ಕಾರ್ಡ್‌ನಿಂದ

1. అంబేద్కర్ : 1947-48, 1950-51, 1952-53, 1954-55, 1956-57, 1958-59, 1960-61, 1962-63, 1964-65, 1966-67, 1968-69, 1970-71, 1972-73, 1974-75, 1976-77, 1978-79, 1980-81, 1982-83, 1984-85, 1986-87, 1988-89, 1990-91, 1992-93, 1994-95, 1996-97, 1998-99, 2000-01, 2002-03, 2004-05, 2006-07, 2008-09, 2010-11, 2012-13, 2014-15, 2016-17, 2018-19, 2020-21, 2022-23, 2024-25, 2026-27, 2028-29, 2030-31, 2032-33, 2034-35, 2036-37, 2038-39, 2040-41, 2042-43, 2044-45, 2046-47, 2048-49, 2050-51, 2052-53, 2054-55, 2056-57, 2058-59, 2060-61, 2062-63, 2064-65, 2066-67, 2068-69, 2070-71, 2072-73, 2074-75, 2076-77, 2078-79, 2080-81, 2082-83, 2084-85, 2086-87, 2088-89, 2090-91, 2092-93, 2094-95, 2096-97, 2098-99, 2100-01, 2102-03, 2104-05, 2106-07, 2108-09, 2110-11, 2112-13, 2114-15, 2116-17, 2118-19, 2120-21, 2122-23, 2124-25, 2126-27, 2128-29, 2130-31, 2132-33, 2134-35, 2136-37, 2138-39, 2140-41, 2142-43, 2144-45, 2146-47, 2148-49, 2150-51, 2152-53, 2154-55, 2156-57, 2158-59, 2160-61, 2162-63, 2164-65, 2166-67, 2168-69, 2170-71, 2172-73, 2174-75, 2176-77, 2178-79, 2180-81, 2182-83, 2184-85, 2186-87, 2188-89, 2190-91, 2192-93, 2194-95, 2196-97, 2198-99, 2200-01, 2202-03, 2204-05, 2206-07, 2208-09, 2210-11, 2212-13, 2214-15, 2216-17, 2218-19, 2220-21, 2222-23, 2224-25, 2226-27, 2228-29, 2230-31, 2232-33, 2234-35, 2236-37, 2238-39, 2240-41, 2242-43, 2244-45, 2246-47, 2248-49, 2250-51, 2252-53, 2254-55, 2256-57, 2258-59, 2260-61, 2262-63, 2264-65, 2266-67, 2268-69, 2270-71, 2272-73, 2274-75, 2276-77, 2278-79, 2280-81, 2282-83, 2284-85, 2286-87, 2288-89, 2290-91, 2292-93, 2294-95, 2296-97, 2298-99, 2300-01, 2302-03, 2304-05, 2306-07, 2308-09, 2310-11, 2312-13, 2314-15, 2316-17, 2318-19, 2320-21, 2322-23, 2324-25, 2326-27, 2328-29, 2330-31, 2332-33, 2334-35, 2336-37, 2338-39, 2340-41, 2342-43, 2344-45, 2346-47, 2348-49, 2350-51, 2352-53, 2354-55, 2356-57, 2358-59, 2360-61, 2362-63, 2364-65, 2366-67, 2368-69, 2370-71, 2372-73, 2374-75, 2376-77, 2378-79, 2380-81, 2382-83, 2384-85, 2386-87, 2388-89, 2390-91, 2392-93, 2394-95, 2396-97, 2398-99, 2400-01, 2402-03, 2404-05, 2406-07, 2408-09, 2410-11, 2412-13, 2414-15, 2416-17, 2418-19, 2420-21, 2422-23, 2424-25, 2426-27, 2428-29, 2430-31, 2432-33, 2434-35, 2436-37, 2438-39, 2440-41, 2442-43, 2444-45, 2446-47, 2448-49, 2450-51, 2452-53, 2454-55, 2456-57, 2458-59, 2460-61, 2462-63, 2464-65, 2466-67, 2468-69, 2470-71, 2472-73, 2474-75, 2476-77, 2478-79, 2480-81, 2482-83, 2484-85, 2486-87, 2488-89, 2490-91, 2492-93, 2494-95, 2496-97, 2498-99, 2500-01, 2502-03, 2504-05, 2506-07, 2508-09, 2510-11, 2512-13, 2514-15, 2516-17, 2518-19, 2520-21, 2522-23, 2524-25, 2526-27, 2528-29, 2530-31, 2532-33, 2534-35, 2536-37, 2538-39, 2540-41, 2542-43, 2544-45, 2546-47, 2548-49, 2550-51, 2552-53, 2554-55, 2556-57, 2558-59, 2560-61, 2562-63, 2564-65, 2566-67, 2568-69, 2570-71, 2572-73, 2574-75, 2576-77, 2578-79, 2580-81, 2582-83, 2584-85, 2586-87, 2588-89, 2590-91, 2592-93, 2594-95, 2596-97, 2598-99, 2600-01, 2602-03, 2604-05, 2606-07, 2608-09, 2610-11, 2612-13, 2614-15, 2616-17, 2618-19, 2620-21, 2622-23, 2624-25, 2626-27, 2628-29, 2630-31, 2632-33, 2634-35, 2636-37, 2638-39, 2640-41, 2642-43, 2644-45, 2646-47, 2648-49, 2650-51, 2652-53, 2654-55, 2656-57, 2658-59, 2660-61, 2662-63, 2664-65, 2666-67, 2668-69, 2670-71, 2672-73, 2674-75, 2676-77, 2678-79, 2680-81, 2682-83, 2684-85, 2686-87, 2688-89, 2690-91, 2692-93, 2694-95, 2696-97, 2698-99, 2700-01, 2702-03, 2704-05, 2706-07, 2708-09, 2710-11, 2712-13, 2714-15, 2716-17, 2718-19, 2720-21, 2722-23, 2724-25, 2726-27, 2728-29, 2730-31, 2732-33, 2734-35, 2736-37, 2738-39, 2740-41, 2742-43, 2744-45, 2746-47, 2748-49, 2750-51, 2752-53, 2754-55, 2756-57, 2758-59, 2760-61, 2762-63, 2764-65, 2766-67, 2768-69, 2770-71, 2772-73, 2774-75, 2776-77, 2778-79, 2780-81, 2782-83, 2784-85, 2786-87, 2788-89, 2790-91, 2792-93, 2794-95, 2796-97, 2798-99, 2800-01, 2802-03, 2804-05, 2806-07, 2808-09, 2810-11, 2812-13, 2814-15, 2816-17, 2818-19, 2820-21, 2822-23, 2824-25, 2826-27, 2828-29, 2830-31, 2832-33, 2834-35, 2836-37, 2838-39, 2840-41, 2842-43, 2844-45, 2846-47, 2848-49, 2850-51, 2852-53,

లేగాంధీని విమర్శించడం తగదు'

[illegible]

సిపిఎస్ రద్దుకు డిమాండ్

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಅಧಿಕಾರವು ಸರ್ವತೋಮುಖವಾಗಿ ವಿಸ್ತರಿಸುತ್ತಿದೆ. ಇದರಲ್ಲಿ ಸರ್ಕಾರದ ಅಧಿಕಾರವು ಸರ್ವತೋಮುಖವಾಗಿ ವಿಸ್ತರಿಸುತ್ತಿದೆ. ಇದರಲ್ಲಿ ಸರ್ಕಾರದ ಅಧಿಕಾರವು ಸರ್ವತೋಮುಖವಾಗಿ ವಿಸ್ತರಿಸುತ್ತಿದೆ.

రామగిరి ఎంపీపీ ఎన్నిక!

[illegible]

16 ఎంపీలతో స్థానాలు ఉండగా వామగిరి మండలం మినహా ఇతర మండలాల ఎంపీలతో స్థానం తెలిపిన తర్వాత మరో 16 మంది-1, మండలస్థాయి ఎంపీలతో, మండల

ಕೆ. ಒಲಗೆಂದೆಮ್ಮ ಲೆಡು: ಸಿಪಿಎ

పాపముగూర్చును పర్యం చేశారు. పర్యం పంపిస్తామని
పాపముగూర్చును పర్యం చేశారు. పర్యం పంపిస్తామని

అందుకే అధికారం కోసం గొప్ప అవినీతిని సాధించిన వారు అధికారం కోసం మరల మరల పోరాడారు. అందుకే వారు అధికారం కోసం మరల మరల పోరాడారు. అందుకే వారు అధికారం కోసం మరల మరల పోరాడారు.

[illegible]

ర్యాగంగ్ సంస్కృతి విదనాదంద

[illegible]

ಶ್ರೀಮದ್-ವಿಷ್ಣುಸಾಹಿತ್ಯವು ಮಹಾಕವಿ ಮಹೇಶ್ವರ
ವಿಷ್ಣುನಾಥ ಶಾಸ್ತ್ರಿ ಅವರಿಂದ ಪ್ರಸಿದ್ಧವಾದುದು.
ಇವರುಗಳಿಗೆ ಮಹಾಕವಿ ಶಾಸ್ತ್ರಿಗಳು ಮಹಾಕವಿ
ಶಾಸ್ತ್ರಿಗಳು ಮಹಾಕವಿ ಶಾಸ್ತ್ರಿಗಳು ಮಹಾಕವಿ ಶಾಸ್ತ್ರಿಗಳು

కార్తికుడినై వడ్డీ న్యూపారి దాడి
 తన న్యూపారి: వడ్డీవారి సహాయంతో కార్తికుడినై

[illegible]

అలాగే మిగిలిన రెండు రోజుల వారం సమయంలో కనీసం 2 వ్యాపార వనరుల 10.10 మేల కంటే ఎక్కువగా, 10.10 మేల కంటే తక్కువగా, 10.10 మేల సగ్గి ఉండాలి. అలాగే కనీసం 2 వ్యాపార వనరుల 10.10 మేల కంటే ఎక్కువగా, 10.10 మేల కంటే తక్కువగా, 10.10 మేల సగ్గి ఉండాలి. అలాగే కనీసం 2 వ్యాపార వనరుల 10.10 మేల కంటే ఎక్కువగా, 10.10 మేల కంటే తక్కువగా, 10.10 మేల సగ్గి ఉండాలి.

[illegible]

మెస్సర్స్ జిందాల్ సా లిమిటెడ్ వారి విస్తరణ పనులు

మరియు అట్టి మంత్రితా శాస్త్ర, కొఠడిలి వారిచే పఠా

అనంతపురము వద్ద లభిస్తాయి మరియు పర్యావరణ వెబ్

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Lr.No: JSAW/AP01/ENV/APPCB/ES/2025-26
Date: 18.08.2025

To,
The Environmental Engineer,
Andhra Pradesh Pollution Control Board,
Regional Office,
Ananthapuramu,
Andhra Pradesh.

Dear Sir,

Sub: Submission of Environment Statement (FORM-V) FY 2024 to 2025 – Reg,

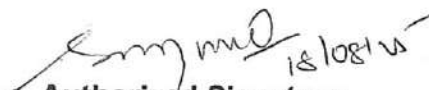
With Reference to the above subject, we are submitting herewith the Environment Statement Report **(FORM-V)** three copies in respect of our unit **M/s. Jindal Saw Limited**, Sy.No.41 to 49, Haresamudram (V), Bommanahal (M), Ananthapuramu (Dt), Andhra Pradesh for the period of **April-2024 to March-2025.**

Kindly acknowledge the receipt of the same.

Thanking You,

Your Faithfully,

For **Jindal Saw Limited**


Authorized Signatory



FORM-V
(See rule 14)

Environmental Statement for the financial year ending with 31st March 2025

PART-A

(i)	Name and address of the owner/ occupier of the industry operation or process	Mr.Soumyajyothi Sarkar M/s. JINDAL SAW LIMITED, Sy.No: 42 to 49, Haresamudram (V), Bommanhal (M), Anantapur (Dt), Andhra Pradesh - 515871
(ii)	Industry category Primary-(STC Code) Secondary- (STC Code)	Red Category
(iii)	Production category as per CTO. Sinter : 2,98,800 TPA Hot Metal/ Pig iron : 2,50,000 TPA DI Pipe : 1,90,000 TPA Captive Power Plant : 30 MW	Production FY 2024 - 2025 Sinter : 292431.13 TPA Hot Metal/ Pig iron : 235142.50 TPA DI Pipe : 189613 TPA
(iv)	Year of establishment	1993
(v)	Date of the last environmental statement submitted.	22.09.2024

PART -B

Water and Raw Material Consumption

(i)	Water consumption m3/Day	
	Process	224 m3/Day
	Cooling	1986 m3/Day
	Domestic	108 m3/Day

Name of Products	Process water consumption per unit of products, m3/MT	
	During the previous financial year 2023 - 2024	During the current financial year 2024 - 2025
Sinter	0.16 KL/T	0.06 KL/T
Hot Metal/ Pig Iron	1.04 KL/T	0.813 KL/T
DISP Pipes	1.2 KL/T	1.035 KL/T
Power Plant	0.003 KL/KWH	0.003 KL/KWH

ii. Raw Material Consumption

Name of Product	Name of Raw Material	Consumption of raw material per unit of output	
		During the previous financial year 2023 – 2024, Ton/Ton	During the current financial year 2024 – 2025, Ton/Ton
Sinter (Sinter Plant)	Iron ore fines	0.91	0.83
	Limestone fines	0.11	0.13
	Dolomite fines	0.13	0.13
	Quick lime	0.04	0.03
	Coke fines	0.09	0.09
	Return fines	0.21	0.19
	Flue Dust	0.01	0.02
Hot Metal/ Pig Iron (Blast Furnace)	Sinter	1.47	1.23
	Coke	0.64	0.66
	Iron ore	0.45	0.50
	Quartzite	0.05	0.02
	Dolomite	0.001	0.0001
	Limestone	0.001	0.00003
	BHQ	0	0.064
	Manganese Ore	0.01	0.01
DI Pipes (DISP)	Hot Metal	1.03	1.17
	MS Scrap	0.04	0.00011
	Ferro Silicon Granules/ Ferro Silicon lumps	0.0042	0.0026
	Pure Magnesium	0.0012	0.0013
	Washed Silica Sand	0.034	0.039
	Zinc Wire	0.004	0.005
	Cement OPC 53 Grade	0.095	0.112
	CML Sand	0.15	0.16
	Bitumen Paint (Black & Red)	4.74	4.52
Power Plant	Coal, MT/KWH	0.0007	0.0007

*Industries may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage variation of prescribed standards from with reasons.
(a) Water	No effluents is generated from the process. All the waste water like blowdown of cooling towers & blow down of boiler is utilized in slag granulation plant/ PCM as a makeup water.		Zero Discharge
(b) Air	Monitoring Results submitting to APPCB regularly and the Environmental Monitoring data enclosed as Annexure-3		Results are well below the permissible limits.

PART-D HAZARDOUS WASTES

(as specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (Kg)	
	During the current financial 2023 – 2024	During the current financial 2024 – 2025
(a). From Process (used oil or waste oil)	22.34 KL	7.1 KL
(b). From pollution control	Nil	Nil

PART – E SOLID WASTES

	Total Quantity (Kg)	
	During the current financial 2023 – 2024	During the current financial 2024 – 2025
(a) From Process	BF Slag: 39510 T Fly Ash: 13833.20 T	BF Slag: 62896.445 T Fly Ash: 16485.54 T
(b) From Pollution Control	Flue dust : 3207 T	Flue dust: 3256.35 T
(c) 1. Quantity recycled (or) reutilized within the unit 2. Sold 3. Disposed	1. Flue dust used in Sinter plant: 3207 T 2. Sold: BF Slag: 61524.76 T Fly Ash: 13421.20 T	1. Flue dust used in Sinter plant: 3256.35 T 2. Sold: BF Slag: 46302.54 T (balance 16593.90 quantity is used in roads and dispatch yard) Fly Ash: 16485.54 T

PART – F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

About 7.1 KLA waste oil generated from plant. The total generated waste oil is being sold to authorised recyclers.

Copy of Form-4 (submitted to APPCB) – Hazardous waste generation/ receipts and consumption / disposal details in the year 2024-2025 is enclosed as **Annexure-4**

PART – G

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

M/s. Jindal Saw Limited, has taken enough measures to control pollution with respect to water, air, solid waste and also in the development of greenbelt in and around the factory premises.

Air Pollution:

The emission levels at various stacks and ambient air quality are being maintained well below the statutory limits. Installed pollution control equipment's like ESP's, Bag filters to mitigate pollution levels in the plant.

Water Pollution:

Plant is maintaining zero liquid discharge as industry has installed water recirculation system at individual units in which the water is being recycled & reused. Only makeup water is being taken raw water into the system.

All wastewater like blow down of cooling towers & blow down of boiler is being utilized in slag granulation plant/ Pig Casting Machine.

Established 21 no's of Rain water harvesting charging pits with a capacity of 2953 KL/annum

Energy Conservation:

Clean Blast furnace gas (having 799 – 800 Kcal) is being utilized as fuel in Blast furnace stoves, Sinter, Annealing furnace & CPP.

Other environmental protection measures:

The management is giving top priority to develop greenbelt by planting variety of saplings at different places in and around plant & colony. Water sprinkling on roads are being done regularly to control fugitive emissions. The steps taken by the management has reduced the impact of pollution on the surrounding environment.

PART – H

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

- ✓ Management has planned to replace the gas cleaning plant of Blast furnace by Dry De-dusting system (DDS) and also plan to install Pulverized Coal Injection to reduce coke consumption in blast Furnace.
- ✓ By installing DDS will save water consumption by 100 m³/day.
- ✓ Fixed water sprinkling system on Roads.
- ✓ Installation of mist canon system at raw material yards.
- ✓ Greenbelt development with regular maintenance.
- ✓ Third party Environment Monitoring by NABL accredited.
- ✓ Drip irrigation system for greenbelt development for conservation of water.
- ✓ Establishment of storm water drainage system.
- ✓ Implementation of ISO 14001 management system.

PART – I

Any other particulars in respect of environmental protection and abatement of pollution.

The management is giving priority for environment friendly measures. The management will take efforts to maintain a clean and green environment in the plant premises.

Management is committed for prevention/abatement of pollution and minimize adverse environmental impacts of the business by ensuring continual improvement of environmental performance and complying to the relevant environmental and other legislation, regulation & other requirements.

- ✓ Installed Online Continuous Ambient Air Quality Monitoring system (CAAQMS).
- ✓ Installed New Continuous Emission Monitoring System (CEMS)
- ✓ Construction of Infrastructure like Roads, Drainages.
- ✓ Installed Mist canon system at raw materials.
- ✓ Procured sweeping machine for roads cleaning.
- ✓ Implemented Quality Management System ISO 9001 and maintaining the systems satisfactorily.
- ✓ Medical camps are being conducted at nearby villages on a regular basis. Etc.

Annexure-1

Details of Water Consumption (KL)

S.No	Month	Blast Furnace	DI Pipe Plant	Sinter Plant	Power Plant	Domestic
		Cooling Including dust Suppression	Cooling	Process including dust Suppression	Cooling Including dust Suppression	
1	April-2023	15693	19338	1089	32785	1167
2	May-2023	18326	21024	964	32564	1204
3	June-2023	11911	15512	626	40564	1056
4	July-2023	10041	7971	528	28946	1195
5	Aug-2023	11669	15814	561	36815	1156
6	Sep-2023	13767	16917	724	37255	1211
7	Oct-2023	20726	14382	1090	34863	1139
8	Nov-2023	21828	13324	1148	29560	1217
9	Dec-2023	19133	15435	1007	32019	1238
10	Jan-2024	19544	20852	1028	32904	1182
11	Feb-2024	14309	17606	1153	31577	1320
12	Mar-2024	14177	17982	946	38117	1152
	Total	191124	196157	10864	407969	14237

Annexure-2

Production Details

S.No	Month	Sinter (T)	Hot Metal/ Pig Iron (T)	DI Pipes (T)	Power Plant (KWH)
1	April-2023	11031	13259.07	7355	7494000
2	May-2023	20592	18264.13	9457	9966000
3	June-2023	17054	18021.076	13490	9484000
4	July-2023	20658	17269.375	11654	9046000
5	Aug-2023	22428	23643.629	16673	11297000
6	Sep-2023	24044	21185.312	15778	10960000
7	Oct-2023	23416	22720.106	18739	11212000
8	Nov-2023	38219	22174.041	17887	10550000
9	Dec-2023	36495	22792.025	19325	10955673.8
10	Jan-2024	28674	20384.212	19561	10073959.33
11	Feb-2024	25612	19853.528	18299	9379134.138
12	Mar-2024	29233	21975.62	19768	10853340.47
	Total	297456	241542.104	187986	121271107.7

Raw Materials Consumption (MT)

Sinter Plant

S.No	Month	Iron Ore	Limestone	Dolomite	Quick lime	Coke	Return fines	Flue Dust
1	April-2023	11590.29	2761.75	2134.94	493.785	1280.00	7122.90	297.56
2	May-2023	20686.91	4608.65	2899.90	0	1752.01	4596.64	293.15
3	June-2023	15667.82	4016.23	2449.31	0	1567.02	3667.60	182.6
4	July-2023	18251.56	2623.88	2952.88	493.785	1598.31	5107.40	245.7
5	Aug-2023	28211.87	2609.13	4208.89	948.6	2451.04	7025.60	399.4
6	Sep-2023	25559.57	2184.97	3626.83	1298.34	2407.52	5385.80	297.3
7	Oct-2023	23566.04	1789.40	4149.67	1598.22	2470.78	5995.48	429.5
8	Nov-2023	31454.20	2216.46	4871.03	2012.23	3027.14	5057.10	582
9	Dec-2023	31946.40	2337.85	3729.32	1807.36	2724.55	6568.63	450.641
10	Jan-2024	20793.63	2997.76	2899.60	1524.39	2214.41	3146.84	357.84
11	Feb-2024	19580.72	2021.86	2677.30	1250.60	1918.39	3984.4	316.18
12	Mar-2024	22889.75	3067.27	3173.31	1528.70	2166.95	3389.60	359.32
	Total	270198.75	33235.20	39772.99	12956.02	25578.11	61060.99	4211.19

Power Plant

S.No	Name of the Material	April-2023	May-2023	June-2023	July-2023	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023	Jan-2024	Feb-2024	Mar-2024	Total
1	Coal	5381.906	6824.47	6676.046	6298.288	8203.179	7854.837	8350.531	8604.146	7799.482	7064.822	6404.79	7654.918	87117.42

Blast Furnace

S.No	Month	Sinter	Coke	Iron Ore	Quartzite	Dolomite	Limestone	Manganese Ore
1	April-2023	19956.25	8306.85	6231.00	747.617	0	42.226	140.691
2	May-2023	23914.68	10970.76	10350.80	717.138	0	108.199	186.832
3	June-2023	24025.88	10316.35	10063.19	820.378	28.722	31.824	186.832
4	July-2023	25205.35	10035.53	8714.73	1026.33	7.227	0	209.063
5	Aug-2023	35316.04	14276.59	9681.74	1244.74	0	0	298.317
6	Sep-2023	33862.22	13137.51	6271.20	1403.71	21.407	0.516	230.379
7	Oct-2023	34650.72	14053.89	8107.99	1361.11	82.803	54.202	224.133
8	Nov-2023	34464.60	13786.96	7751.61	1170.71	0	28.935	207.693
9	Dec-2023	38882.68	14595.87	5867.94	1383.90	0	0	265.736
10	Jan-2024	28215.97	13330.78	11126.17	870.576	0	0	215.969
11	Feb-2024	27278.16	12719.86	11514.73	1126.60	0	0	119.331
12	Mar-2024	30000.38	14008.67	12781.55	576.30	0	72.93	147.232
	Total	355772.92	149539.61	108462.65	12449.10	140.16	338.83	2432.21

DISP Pipe Plant

S.No	Month	Hot Metal (MT)	MS Scrap (MT)	Ferro Silicon Granules/ Ferro Silicon lumps	Pure Magnesium (MT)	Washed Silica Sand (MT)	Zinc Wire (MT)	Cement OPC 53 Grade (MT)	CML Sand (MT)	Bitumen Paint (Black & Red) (Lit)
1	April-2023	8746.71	431.31	36.49	10.49	263.5	43.832	786.3	1769.00	31350.00
2	May-2023	13948.41	625.36	53.01	17.01	482.322	72.305	1327.9	2000.10	49641.40
3	June-2023	14375.593	900	73.88	18.66	495.65	52.498	958.2	1504.80	51461.00
4	July-2023	13026.795	724.63	76.28	16.619	452.18	36.401	1386.6	2219.60	53466.00
5	Aug-2023	17500.703	916.38	120.55	21.8	495.12	73.526	1810.3	2895.70	70883.80
6	Sep-2023	17134.8	910	134.97	20.47	637.217	66.894	1541.1	2632.30	59315.00
7	Oct-2023	17430.22	867.21	120.08	20.96	617	69.807	1697.9	2923.80	57373.70
8	Nov-2023	16700.15	263.96	48.79	18.83	572.538	66.37	1586.3	2591.70	55818.30
9	Dec-2023	18073.066	652.31	40.82	20.69	606.66	55.852	1467.8	2207.50	32522.40
10	Jan-2024	18880.03	322.36	19.92	21.87	564.03	76.957	1739.7	2736.60	67669.50
11	Feb-2024	18073.066	389.05	20.91	20.04	592	70.528	1699.3	2631.10	78724.50
12	Mar-2024	20450.017	20.74	48.31	21.95	638.949	77.141	1914.2	2891.00	78299.40
	Total	194339.56	7023.31	794.01	229.39	6417.17	762.11	17915.60	29003.20	686525.00

JINDAL SAW LTD
AP01, HARESAMUDRAM

DIGITAL DISPLAY BOARD AT MAIN ENTRANCE

